

# **SELF STUDY REPORT**

**for**  
**NAAC Accreditation of the University**  
**(Cycle-1)**



आत्मनो मोक्षार्थं जगद्धिताय च

**Submitted to**  
**National Assessment and Accreditation Council**  
**Bengaluru**

**UNIVERSITY OF KOTA**  
(A State University recognized under Sections 2(f) and 12(b) of the UGC Act, 1956)  
KOTA (Rajasthan)-324005, INDIA

**[www.uok.ac.in](http://www.uok.ac.in)**

**2016**



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# UNIVERSITY OF KOTA

M.B.S. Marg, Kota (Rajasthan) - 324005, Bharat

*Prof. P. K. Dashora*  
Vice Chancellor

Office : 0744-2472911  
Residence : 0744-2472555  
Telefax : 0744-2472913

No. : 1968  
Date : 10.12.2016

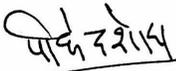
## DECLARATION

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer Team will validate the information provided in this SSR during the peer team visit.

Date: 10-12-2016  
Place: Kota (Rajasthan)

  
(P.K. Dashora)



# UNIVERSITY OF KOTA

M.B.S. Marg, Kota (Rajasthan) - 324005, Bharat

*Prof. P. K. Dashora*  
Vice Chancellor

Office : 0744-2472911  
Residence : 0744-2472555  
Telefax : 0744-2472913

No. : 1369  
Date : 10.12.2016

## STATEMENT OF COMPLIANCE

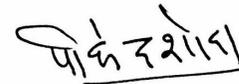
(for Central and State Universities)

This is to certify that University of Kota, Kota has complied with all the provisions of the following Regulations governing it:

- o UGC Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education, 2010 and further amendments, if any, notified by the UGC.
- o UGC Regulation on Minimum Standards and Procedure for the Award of M.Phil./Ph.D. Degree, Regulations, 2009 and further amendments, if any, notified by the UGC.
- o UGC (Affiliation of Colleges by Universities) Regulations, 2012 and further amendments, if any, notified by the UGC.

Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.

Date: 10-12-2016  
Place: Kota (Rajasthan)

  
(P.K. Dashora)



# Preface

# PREFACE

University of Kota was established as a State University in the year 2003 by the Government of Rajasthan through '**The University of Kota Act, 2003**' (Act No.14 of 2003). The University has received 2(f) and 12(b) status of the UGC Act, 1956 in 2004 and in 2012 respectively.

The University of Kota is taking all steps for its future growth with an unstained emphasis on its aim and objectives for all round development of the students with quality education in reasonable fee structure in consonance with the spirit of the Act "*The University shall be deemed to have been established and incorporated for the purpose, among others, of making provision for imparting education in different branches of learning, and furthering the prosecution of research in all branches of learning*". The guiding principle of the University as inscribed in its logo is "आत्मनो मोक्षार्थं जगद्धिताय च" thereby meaning for "*One's own salvation and for the welfare of the World*" and the motto is "सत्यम् शिवम् सुन्दरम्" meaning the quest for truth, welfare and exquisiteness.

The University is striving hard to achieve excellence in teaching & research and dissemination of knowledge to the students and society. The efforts of the University have been recognized at national level by the National Institutional Ranking Framework (NIRF) of the Ministry of Human Resource Development (MHRD), Govt. of India by awarding the **78th rank in top 100 Universities of India**. Also, the University has been awarded by **RICOH Education Excellence Award 2016** from the BUSSINESSWORLD for "Best Institution in Use of Technology in Teaching-Learning Practices".

Beginning with only 02 postgraduate programmes in the academic session 2004-2005, the University is now offering 20 postgraduate programmes in 06 teaching departments under 05 faculties in the campus and the numbers of programmes are increasing continuously year by year. Recently, 03 postgraduate programmes viz. M.Sc. Mathematics, M.Sc. Botany and M.Sc. Zoology have also been introduced by the University from the academic session 2016-17. In the academic session 2015-16, around 2,31,000 students were enrolled with the University for different types of examinations. The programmes /courses are so designed as to develop the University as the centre for generation of knowledge to produce the skilled professionals for serving the nation in various sectors. For achieving the goal of the University and smooth functioning of the academic as well as administrative activities, the University has various boards, councils, committees, offices, sections, cells and units viz. Board of Management (BoM), Academic Council (AC), Research Board, Board of Inspectors (BoI), Finance Committee, Building Committee, Internal Quality Assurance Cell (IQAC), Board of Studies (BoS),

Committee of Curriculum (CoC), Anti-ragging Committee, Anti-ragging Squad; Office of the Directorate of Research, Physical Education, Dean PG, Dean Student's Welfare (DSW), Proctor, Estate; Examination, Accounts & Finance, Establishment, Academic, Affiliation sections; Differently Abled Persons, Student's Grievance Redressal, Placement & Counseling, Women, UGC, Intellectual Property Rights (IPR), Legal, IT Cells and NSS unit.

The University has established some classrooms as smart classrooms with interactive boards, audio-video accessories, projectors along with internet connectivity. The central library of the University has 12129 books, 6684 e-journal / e-books, 220 theses alongwith INFLIBNET, DelNet, Online Public Access catalogue (OPAC), LAN & Wi-Fi facilities. The University is developing an international level sports complex including indoor multi-purpose gymnasium hall for basketball, volleyball, badminton, wrestling, judo, gymnastic exercise, squash, table tennis as well as outdoor play fields for hockey, handball, kho-kho, kabbadi and 8 lanes swimming pool through its own resources and UGC grant of Rs. 175 Lakhs.

The University has signed MoU with two foreign universities namely Linkoping University, Sweden; Lyceum University, Philippines; one human development centre *i.e.* UGC-HRDC, Jai Narain Vyas University, Jodhpur and one industry (DCM Shriram Ltd., Kota) for improving teaching and research. The University has conducted an orientation programme (*i.e.* 93rd Orientation Programme) for college & university teachers from 15/02/2016 to 12/03/2016 and a refresher course on Computer Applications (Inter-disciplinary) from 11/05/2016 to 31/05/2016.

The University has received grants from different funding agencies like UGC, DST, CSIR, *etc.* to enhance its infrastructure for teaching and research. Department of Pure & Applied Chemistry is the first department of the University which has received grant from the DST, New Delhi under its FIST programmes. The University is also supported by the University of Durham and Cranfield University (UK Universities) and MSA Renewtech (Industry Partner), Vadodara, Gujarat under Newton-Bhabha fund for Higher Education Partnership between Royal Academy of Engineering, UK and FICCI, India under international collaboration for teaching and research.

The University recognizes its role and responsibilities towards the society and has adopted the Dungarjya village of Kota district for its integrated development. The Governor of the Rajasthan and the Chancellor of the University has recently visited the village and appreciated the activities undertaken by the University. The University organizes the blood donation camps, the plantation day, tobacco prohibition day, environment day, *Swachh Bharat Abhiyan*, *etc.* regularly during various occasions. For discussing and resolving the agricultural problems especially in the Chambal Command Area

(CAD) of the Hadoti region, a national conference of Indian Society of Agricultural Statistics has also been organized.

The instructions laid down by the NAAC have been followed to prepare the self study report (SSR) of the University. The SSR incorporates the data and information of last four years from April 2012 to March 2016. The SSR comprises Preface, Executive Summary, Profile of the University, Criteria wise Analytical Report and Department wise Evaluative Report along with University Offices, University in Media and some supporting documents as Annexures. The report has been prepared with full cooperation and inputs received from various academic departments, administrative offices, sections and cells of the University. All the inputs have been put into the shape by the NAAC Steering Committee and SSR Preparation Committee of the University.

We look forward to welcome the NAAC Peer Team and hope that our efforts will be applauded.





# Executive Summary

# EXECUTIVE SUMMARY



University of Kota was established in the year 2003 by the Government of Rajasthan through '**The University of Kota Act, 2003**' (Act No.14 of 2003) that received assent of the Governor on May 30, 2003 and notified in the State Government Gazette vide notification No. F.2(12)/Vidhi-2/2003 dated June 07, 2003. The founder Vice Chancellor Prof. B. L. Verma assumed his duties on August 25, 2003. The University has been included in the list of Universities maintained by the University Grants Commission under section 2(f) of the UGC Act, 1956 vide notification No. F.9-23/2003(CPP-I) dated February 23, 2004 and finally received Central Assistance in terms of rules framed under section 12(b) of the UGC Act, 1956 as per decision of Commission (item No.5.17) vide notification No. F.9-23/2003(CPP-I/PU) dated November 05, 2012.

At present, the Vice Chancellor's Secretariat, Administrative Block, Examination Block, Academic Block, Vice Chancellor's Residence and Guest House are suitably built in the campus. Students' Hostel, Sports Complex and another Academic Block which shall house the School of Heritage, Tourism, Museology & Archaeology are being constructed and almost ready for possession. Construction of buildings of Central Library, Computer Centre, Office of the DSW is proposed in the next phase. The University is taking steps towards its future growth by opening a multi-faculty undergraduate college, an undergraduate law college and Department of Languages. The proposals have already been submitted to the State government. Further, proposals for the School of Life Science (Department of Botany, Zoology and Life Science), Department of Pure & Applied Mathematics, Department of Humanities and Department of Education have also been submitted to the UGC under XII five year plan.

The vision and mission of the University have been set as below:

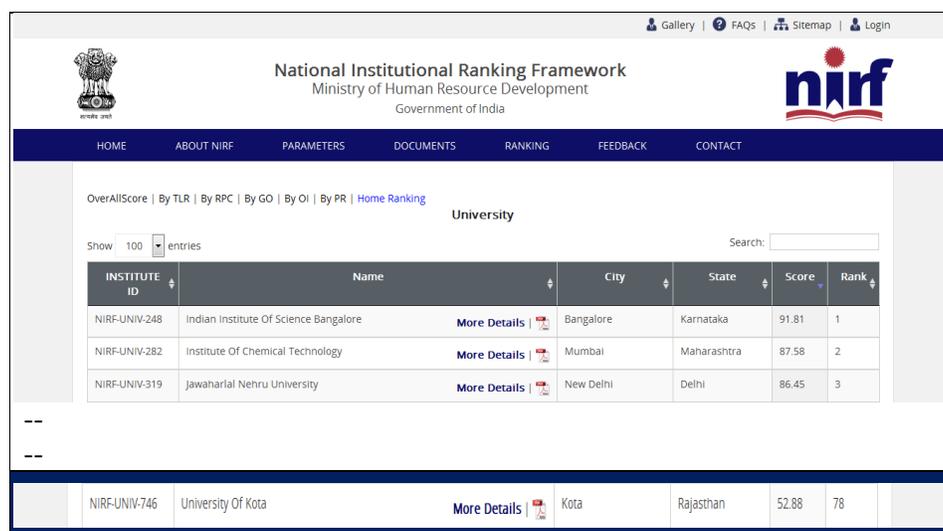
**Vision:**

To make the University a great place of learning and to establish "Centers of Excellence" in the Departments for teaching and research in different faculties and interdisciplinary fields through which students can bring out their hidden potentials in limelight and contribute effectively towards the development of their beloved motherland 'Bharat' and humanity as a whole.

**Mission:**

- To empower the youth for powering the nation,
- To provide quality education with reasonable fee structure,
- To provide job orientated professional education,
- To promote the technological developments,
- To inculcate self reliance in young mind by stipulating their intellectual response to challenges of the present century,
- To develop entrepreneurial skills in the students for taking risk and doing innovations in real life.

With this background, motivating guidance for the faculty and staff, the University has been striving hard to achieve excellence in teaching, research and dissemination of knowledge to the students and society. The efforts of University have been recognized at national level by *National Institutional Ranking Framework (NIRF) of the Ministry of Human Resource Development (MHRD), Govt. India by awarding it 78th rank in Top 100 Universities*. Also, University has been awarded by RICOH Education Excellence Award 2016 from the BUSSINESSWORLD for Best Institution in use of Technology in Teaching-Learning Practices.



INSTITUTE ID	Name	City	State	Score	Rank
NIRF-UNIV-248	Indian Institute Of Science Bangalore	Bangalore	Karnataka	91.81	1
NIRF-UNIV-282	Institute Of Chemical Technology	Mumbai	Maharashtra	87.58	2
NIRF-UNIV-319	Jawaharlal Nehru University	New Delhi	Delhi	86.45	3
NIRF-UNIV-746	University Of Kota	Kota	Rajasthan	52.88	78

Some of the salient features depicting the strength of the University are:

- Infrastructural & instrumental facilities with global standards.
- The "Central Analytical Instrumentation Facility" giving impetus to the research work especially in Kota University jurisdiction.
- Well equipped English language laboratory.
- Centralized e-library facility with Delnet and Inflibnet along with open access facility to books as well as national and international journals.
- Inclination for barrier free access to all buildings for differently abled persons.
- Regular University-Industry interactions for trainings and placements.
- Emphasis on personality and communication skill development.
- Organizing expert lectures / conferences / workshops / symposia / training / orientation / refresher programmes.
- Emphasis on energy conservation by adopting solar energy framework (a 100 KW unit has been installed at first phase) and switching LED devices.
- Collaborations with international and national organizations of repute.
- Emphasis on micro-teaching through smart classrooms & hi-tech laboratories.
- Gender sensitive and women friendly environment.
- LAN and Wi-Fi networking facility in entire campus.
- Creation of international level sports complex.
- Well equipped gymnasium.
- "No ragging" assurance.
- Recreation centre.

### Teaching Departments:

University is running following postgraduate programmes including one integrated undergraduate-postgraduate programme (*i.e.* B.Sc.-M.Sc. Physics) in 6 full-fledged departments and 5 departments in self finance scheme. These postgraduate programmes and one integrated undergraduate-postgraduate programme are offering under the faculties of Science, Commerce & Management, Social Science, Education and Law.

Faculty of Science:	Intake	Duration
<b>Department of Pure &amp; Applied Chemistry</b>		
(i) M.Sc. Chemistry with Specialization in		
o Organic Chemistry	25	4 Sem.
o Analytical Chemistry	15	4 Sem.
(ii) M.Sc. Industrial Chemistry	25	4 Sem.
<b>Department of Pure &amp; Applied Physics</b>		
(iii) Integrated B.Sc.-M.Sc. Physics	40	10 Sem.
(iv) M.Sc. Physics-Energy	30	4 Sem.
(v) M.Tech. Solar Energy	20	4 Sem.

<b>Department of Computer Science &amp; Informatics</b>		
(vi)	Master of Computer Applications (MCA)	60 6 Sem.
<b>Department of Pure &amp; Applied Mathematics*</b>		
(vii)	M.Sc. Mathematics	30 4 Sem.
<b>Department of Life Science*</b>		
(viii)	M.Sc. Life Sciences	20 4 Sem.
(ix)	M.Sc. Botany	20 4 Sem.
(x)	M.Sc. Zoology	20 4 Sem.
<b>Department of Wildlife Science*</b>		
(xi)	M.Sc. Wildlife Science	20 4 Sem.
<b>Faculty of Commerce &amp; Management:</b>		
<b>Department of Commerce &amp; Management</b>		
(xii)	Master of Business Administration (MBA)	60 4 Sem.
(xiii)	MBA (International Business)	30 4 Sem.
(xiv)	Master of Comm. (M.Com.)-Account & Finance	40 4 Sem.
<b>Faculty of Social Sciences:</b>		
<b>Department of Social Sciences</b>		
(xv)	Master of Social Works (MSW)	40 4 Sem.
(xvi)	M.A. Development Studies	40 4 Sem.
(xvii)	M.A./M.Sc. Geography	40 4 Sem.
<b>School of Heritage, Tourism Museology &amp; Archaeology</b>		
(xviii)	M.A. Heritage, Tourism, Museology & Archaeology	20 4 Sem.
<b>Faculty of Education:</b>		
<b>Department of Physical Education*</b>		
(xix)	Mater of Physical Education (M.P.Ed.)	40 4 Sem.
<b>Faculty of Law:</b>		
<b>Department of Law*</b>		
(xx)	Master of Law (LL.M.)	40 4 Sem.
<i>*Courses these departments are running under Self Finance Scheme.</i>		

### **The support services in the University:**

- University Library:**  
 In covered area of 365 sq.m., the central library of the University is having 12129 books, 6684 e-journals / e-books and 220 theses. Books available in the library includes reference books, text books, competition books and books pertaining to the syllabi of the courses running in the university. The central library has facilities like Infilibnet, DelNet, LAN and Wi-Fi connectivity. A separate building for the University central library is also proposed by the Building Committee and approved by the Board of Management.
- Sports Complex:**  
 University is developing an international level sports complex through its own resources and the UGC grant under Stage-I and Stage-II:

**Stage-I:**

- Indoor multi-purpose gymnasium hall
  - Total Size: 80m x 40m with 800 spectator capacity
  - Playing area: 36m x 28m x 12.5m

It includes basketball court, volleyball court, badminton court, wrestling area, judo area, gymnastic exercise & apparatus area, Squash court, TT playing area, multi-gym exercise floor.

- Outdoor play fields for football, volleyball, handball, hockey, kho-kho, kabbadi

**Stage-II:**

- 8 Lanes swimming pool Size: 25m x 21m x 1.80m
- Outdoor play field stadium Size: 200m x 100m

Presently, the University is also possessing outdoor sports fields (60m x 60m and 80m x 40m) which include volleyball court, kabaddi and kho-kho and indoor facilities (30m x 30m) for badminton, table tennis, wrestling and Judo).

**• Health Centre:**

The medical facilities to University staff and students are being provided by the experienced medical officer (part-time) with 24 hrs. emergency facility. The University has recognized a number of good multi-speciality hospitals in the town for providing medical facilities to the employees. The reimbursement of medical expenditure incurred is made as per Govt. of Rajasthan rules. The University has ensured all the employees for their medical treatment.

**• Placement and Counseling Cell:**

Placement and Counseling Cell is formed with a vision to educate, enrich, empower and enhance employability of its students. It holds the responsibility of overseeing the placements of the University student. Its aim is to help the students to find the jobs they are looking for and also provide facilities to the companies to conduct their recruiting procedure. The cell is working with a close coordination of the faculty and provides an opportunity to the students in getting industrial training and provides a

platform for students seeking recruitment to interact with possible recruiters. The cell invites companies related to marketing, software, chemicals, builders and other recruiters to be a part of the placement process. The placement cell has been constantly working in coordination with its faculties, external advisors and recruiters.

- **Hostels & Residences:**

One hostel with built up area of 3946 sq.m. and intake capacity of 135 students is under construction in the campus and likely to be available to the students from the academic session 2017-2018. At present, the University has Vice Chancellor's residence in the campus with built up area of 1294 sq.m. Two staff quarters with built up area 180 sq.m. each are in use.



- **Students' Welfare:**

The offices of the Dean, Postgraduate Studies; Dean, Students' Welfare, Proctor, NSS unit, Women Cell, Cell for Differently Aabled Persons, Anti-ragging Squad, Anti-ragging Cell, Placement and Counseling Cell, Inquiry Cell, *etc.* of the University are functioning for the overall development of the students and their welfare.

- **Guest House:**

University has got its guest house constructed with built up area 2295 sq.m. having 1 VVIP suits, 2 VIP rooms, 8 double bed rooms, 2 dormitories, modular kitchen and parking space. The furnishing is in progress.



### **Academic Commitments of the University:**

- National / international conferences / seminars / lectures / workshops / events, entrepreneurship development programme, energy meet and national school on quantum mechanics are the regular activities of the University.
- University has organized 69th ISAS annual conference in December 2015 first time in the Hadoti region to address the problems in the agriculture.
- The University has entered in Memorandum of Understanding (MoU) with two foreign universities namely Linkoping University, Sweden; Lyceum University, Philippines; one Indian industry (DCM Shriram Ltd., Kota) and human resource development centre i.e. UGC-HRDC, Jai Narain Vyas University, Jodhpur for organizing orientation/refresher courses, training programmes, *etc.*
- University has received support from University of Durham and Cranfield University (UK Universities) and MSA Renewtech (Industry Partner), Vadodara, Gujarat, India under Newton-Bhabha fund for higher education partnership between Royal Academy of Engineering, UK and FICCI, India under international collaboration to provide teaching-learning facility.
- Functional English language laboratory in collaboration with e-Station, Rajkot (Gujarat) for development of communication skills.
- University organizes regular sports and cultural activities for the overall development of the students.
- Interactive methods of teaching with seminars and open discussions for competency development of the students.
- Suitable mechanism has been developed to obtain feedback from alumni, students, peer group and stakeholders.
- University is committed to maintain the sanctity of examinations and declaration of results in time.
- University has achieved the zero pendency level for the award of the degrees.
- Internal Quality Assurance Cell (IQAC) for quality measures.
- University has Anti-ragging Committee, Anti-ragging Squad, Students Grievance Redressal Cell, Placement & Counseling Cell, Women Cell, UGC Cell, IPR Cell, IT Cell, Cell for Differently Abled Persons, Legal Cell to provide the healthy environment in the University.
- University has Board of Management, Finance Committee, Academic Council, Board of Inspection, Building Committee, Board of Studies, Committee of Courses for the smooth conduction of academic and other activities of the University.

### **SWOC Analysis of the University:**

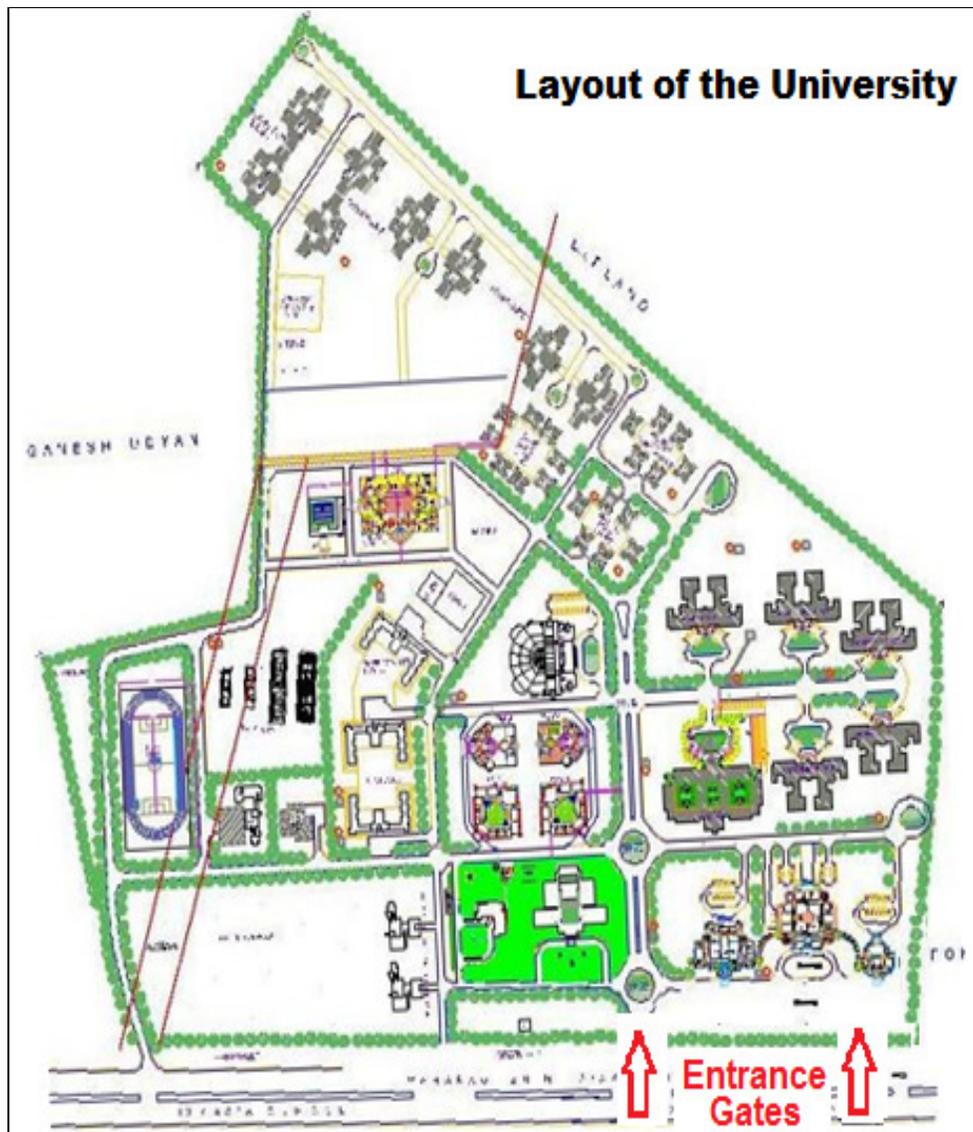
The strength, weakness, opportunities and challenges (SWOC) analysis has been prepared on the basis of the data received from various departments / units of the University.

- **Strength:**
  - All the courses of the departments are in semester scheme and hence continuous evaluation of students is undertaken through quizzes, internal tests, assignments, seminars, viva-vozes, *etc.*
  - Good performance of students in inter-colleges / inter-university tournaments at state / national level.
  - Department of Pure & Applied Chemistry is funded by the DST under DST-FIST scheme.
  - Extra mural funding for major and minor research projects by various funding agencies like UGC, CSIR, DST, *etc.*
  - Major scientific instruments / facilities available in the academic departments of the University.
  - University has qualified and experienced faculty members engaged in skill oriented teaching and research.
  - University is organizing various national and international conferences, seminars, symposia, workshops, *etc.* for the benefits of the faculty members and students.
  - Support of senior professionals and experts from academic institutes, research centres and industries in academic planning and development of programmes.
  - Regular visits and lectures of senior professors, industrialists, scientists, *etc.*
  - Intense research contribution by faculty members and research scholars in international and national journals of high repute.
  - National and international collaborations.
  - Automation of entire examination process
  - Adoption of coding-decoding system in evaluation process.
  - Timely declaration of results.
  - Zero pendency in degree distribution.
  
- **Weaknesses:**
  - Limitation of existing infrastructure facilities to increase more number of students in the existing courses as well as to start new courses.
  - Lack of in-house instrumentation workshop.
  - Limited support of the industries for research activities in the University.
  - Insufficient public transport facility in the town to facilitate the University students.
  - Dependence on the Government and other agencies for further strengthening the number of personnel in the University.
  - There is no financial autonomy for the University.
  
- **Opportunities:**
  - Enhancing the self employment aptitude and training to the student through enterprenuership development programme.

- Training students for employments in pharmaceutical, agrochemical, fine chemical, fertilizer, plastic & polymer, dye & textile, paint & pigment, cement & refractory, glass & ceramic, soap & detergent industries.
  - Preparing experts for the field of energy sector utilizing the potential and existing facilities in the jurisdiction of the University.
  - Outsourcing of existing instrumental facilities for developing regional R&D programmes.
  - Developing University as a "IPR Awareness and Facilitation Centre" for the state.
  - Bringing specific postgraduate programme like M.Sc. Industrial Chemistry, M.Sc. Physics (Energy), M.Sc. Wildlife Science, M.Tech. Solar Energy, M.A. Heritage, Tourism, Museology and Archaeology are being offered by the University at national and international level.
  - Significant possibilities for extension of further academic departments.
  - Strengthening the "Skill Development Centre" to be established as per the directives of the State Government.
  - Contributing in social reforms and inculcating nationality and moral values through the activities of recently established "*Swami Vivekanand Shodhpeeth*".
  - Developing the trained personnel in the areas of tourism, museology, archaeology, social welfare organizations, *etc.*
  - Facilitating centre for implementing government schemes related to the higher education and skill development programmes.
  - Participation in various state and local body development programmes related to the higher education and social concern programmes.
  - Contributing significantly for "Digital India Campaign".
  - Becoming an active partner of "*Unnat Bharat Abhiyan*" of Govt. of India for holistic development of the rural area (University has initiated its activities by adopting a village for its development).
  - Collaborations with large number existing local industries and other stakeholders for regional developments.
- **Challenges:**
    - The students from rural background need special attention in the field communication and languages to compete at national and international level.
    - In order to keep at pace with developing world, students of this University further need special attention in soft skills and computer applications.
    - With emergence of private universities and possibilities of coming up of foreign universities, the University has to regularly review and reform the existing working coupled with initiating its activities in new emerging dimensions.

- Strong need is felt to upgrade competence of existing level of faculty and other staff members to make optimum utilization of their potentials.
- Limited workforce for academic and non-academic assignments.
- Adherence to the time schedule for various academic and administrative activities assigned to different employees.

The strengths of the University with committed faculty members and their enthusiasm outweigh the weaknesses. The University is sure to dovetail the potential of the University personnels to convert weaknesses into strengths and to win over the existing challenges.





## Profile of the University

# PROFILE OF THE UNIVERSITY

## 1. Name and Address of the University:

**Name** : University of Kota  
**Address** : M.B.S. Marg, Near Kabir Circle  
**City** : Kota **PIN:** 324 005 **State:** Rajasthan  
**Website** : www.uok.ac.in

## 2. For Communication (STD Code: 0744):

Designation	Name	Telephone (Office)	Fax (Office)	Mobile	E-mail
Vice Chancellor	Prof. P. K. Dashora	2472911	2472913	9414162682	vc@uok.ac.in vesuok@gmail.com
Registrar	Dr. Sandeep Singh Chauhan	2472934	2472960	9414257423	registrar@uok.ac.in
Convener, Steering Committee	Prof. Rajeev Jain	2471018	2471018	9414163049	rajeevjain@uok.ac.in

## 3. Status of the University:

State University	√
State Private University	X
Central University	X
University under Section 3 of UGC (Deemed University)	X
Institution of National Importance	X
Any other (Please specify)	N.A.

## 4. Type of University:

Unitary	X
Affiliating	√

## 5. Source of funding:

Central Government (UGC and other sources for scholarship)	√
State Government	√
Self-financing	√
Any other (please specify) UGC, CSIR, DST, DBT, DAE, DoIT, MHRD, DRDO, etc.	√

6. (a) Date of establishment of the University : June 07, 2003.

(b) Prior to the establishment of the University, was it was a/an

i. PG Centre	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
ii. Affiliated College	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
iii. Constituent College	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

- iv. Autonomous College Yes  No
- v. Any other (please specify) N.A.  
If yes, give the date of establishment N.A.

**7. Date of recognition as university by UGC or any other national agency:**

Under Section	DD	MM	YYYY	Remarks
2f of UGC*	23	02	2004	----
12B of UGC*	05	11	2012	----
3 of UGC#	---	---	----	N.A.
Any other^ (specify)	---	---	----	N.A.

\*Enclose certificate of recognition.

#Enclose notification of MHRD and UGC for all courses / programmes / campus / campuses.

^Enclose certificate of recognition by any other national agency/agencies, if any.

**8. Has the University been recognized:**

(a.) by UGC as a University with Potential for Excellence?

Yes  No

If yes, date of recognition : N.A.

(b.) For its performance by any other governmental agency?

Yes  No

If yes, Name of the agency : NIRF, MHRD, New Delhi  
and date of recognition : 4th April 2016.

**9. Does the university have off-campus centers?**

Yes  No

If yes, date of establishment : N.A.

Date of recognition : N.A.

**11. Location of the campus and area:**

Campus(es)	Location*	Campus area (in acres)	Built up area (in sq. mts.)
(i) University Main campus area	Urban	148.26	60000.00
• Constituent Colleges	--	--	--
(ii) Other campuses in the country	--	--	--
(iii) Campuses abroad	--	--	--
<b>Total Area (in sq.mts.)</b>	--	<b>148.26</b>	<b>60000.00</b>

\* Urban, Semi-Urban, Rural, Tribal, Hilly Area, any other (please specify)

If the university has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses : N.A.

**12. Provide information on the following: In case of multi-campus University, please provide campus-wise information:**

- **Auditorium / seminar complex with infrastructural facilities:**  
University has one auditorium with seating capacity 250, one meeting hall of capacity 150 and one conference hall with seating capacity 180.

- **Sports facilities:**

- Playground Outdoor play field stadium for football, volleyball, handball, hockey, kho-kho, kabbadi.
- Swimming Pool UGC assistance of Rs. 175 Lakh has been received for the construction of 8 lanes swimming pool in the campus.
- Gymnasium Multi-purpose gymnasium hall having playing area: 36m x 28m x 12.5m for basketball court, volleyball court, badminton court, wrestling area, judo area, gymnastic exercise & apparatus area, squash court, table tennis playing area, multi-gym exercise floor with 16 station multi-gym exercise machines has been constructed in the campus.
- Any other (Please specify) Sports fields (60m x 60m and 80m x 40m which include volleyball court, kabaddi, and kho-kho) and indoor facilities (30m x 30m for badminton, table tennis, wrestling and judo).

- **Hostels:**

- Boys' hostel
  - (i) Number of hostels : 01
  - (ii) Number of inmates : 135
  - (iii) Facilities : 50 double seated rooms, 35 Single seated rooms, dining hall, kitchen, common room, warden residence and other amenities.
  - (iv) Total area : 3946 sq.m. (G+4 structure)

Hostel is under construction in the University campus and likely to be available for the students from the academic session 2017-2018.

- **Residential facilities for faculty and non-teaching staff:**

The University has VC residence with built up area 1294 sq.m. and two staff quarters with built up area 180 sq.m. each.

- **Cafeteria:** Canteen is available in the University campus.

- **Health centre – Nature of facilities available – inpatient, outpatient, ambulance, emergency care facility, etc.:**

The medical facilities to University staff and students are being provided by the experienced medical officer (part-time) with 24 hrs emergency facility. The University has recognized a number of good multi-speciality hospitals in the town for providing medical facilities to the employees. The reimbursement of medical expenditure incurred is made as per Govt. of Rajasthan rules. The University has ensured all the employees for their medical treatment.

In case of emergency, the University provides all possible assistance to the students for medical relief. Arrangement of part-time medical officer is also available for the students.

- **Facilities like banking, post office, book shops, etc.:**

The University has branch of the Union Bank of India in the campus. Arrangements have been made with post and telegraph department to collect the posts from the University daily. Also, a staff has been assigned duties to deliver all the posts collected at the University to the GPO / RMS on the same day.

- **Transport facilities to cater to the needs of the students and staff:**

University has a mini bus with capacity of 25 seats is available for the industrial / academic tours of the students. The bus is being utilized in examination, administration related works and seminar, conferences also. The University has undergone a contract with local taxi service provider for meeting the day to day requirements of the University and other administrative needs.

- **Facilities for persons with disabilities:**

University has created a Cell for Differently Abled Persons to safeguard interest of the differently abled persons as per their requirements. Sufficient provisions for ramps have been made in all the buildings. At present, there is only one disabled person whose is catered by the University. The University also provides all the facilities recommended by the Govt. of Rajasthan / UGC / MHRD during their examinations and other points of need.

- **Animal house:** N.A.

- **Incinerator for laboratories:** N.A. (However, one incinerator has been installed for disposal of sanitary napkins in ladies toilets)

- **Power house:**

A 100 KW solar power plant has been established in the academic block of the University which is producing about 400-500 units of electricity. The plant is e-metered and connected with grid. Moreover,

one electric generator of the capacity 125 kVA is functioning in the main building of the University. Apart from this, uninterepted power supply systems are available wherever required. The University has also ear-marked land for installing a power grid station at PPP mode with *Jaipur Vidyut Vitaran Nigam Limited*.

- **Waste management facility:**

The University hires the services as per Annual Rate Contract (ARC) for collection and disposal of waste in the campus and mentaining the campus garbage free.

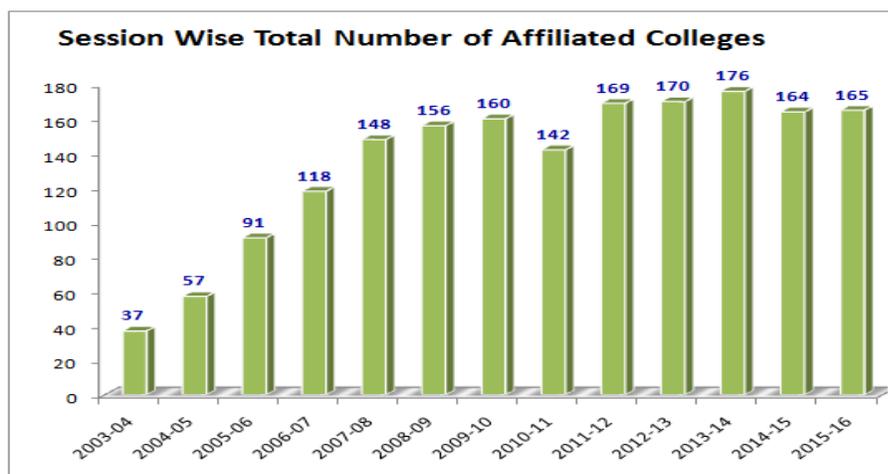
The waste gerenerated during the constrction activities is collected and utilized for campus land filling.

For gaseous waste mangement from chemical laboratories, fume hoods have been installed in all the chemical laboratories. Ventilated cabinets have been installed in the chemical stores.

In order to keep campus and offices clean, the de-weeding of old records, paper wastes and other junk articles is a regular practice.

### 13. Number of institutions affiliated to the University:

Type of Colleges	Permanent	Temporary	Total
Science, Commerce & Management, Social Science, Arts	22	74	<b>96</b>
Law	01	04	<b>05</b>
Medicine	--	--	--
Engineering	--	--	--
Education	01	63	<b>64</b>
Others (specify and provide details)	--	--	--
<b>Total</b>	<b>24</b>	<b>141</b>	<b>165</b>



14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University:

Yes  No  Number

15. Furnish the following information:

Particulars	Number	No. of Students (Session 2015-16)
(a) University Departments	11 [06 + 05 (SFS)]	
• Undergraduate courses (Integrated)	01	111
• Postgraduate courses	19	825
• M. Phil. Programmes	07	--
• Ph.D. programmes	Ph.D. programmes offered in 26 subjects by the University.	679
• Research centers on the campus	--	--
(b) Constituent colleges	--	--
(c) Affiliated Colleges	165 and in 22 colleges only II & III Year is running	2,30,160
(d) Colleges under 2(f)	17	1,79,206
(e) Colleges under 2(f) & 12(b)	15	1,69,378
(f) NAAC accredited colleges	12	1,60,942
(g) Colleges with Potential for Excellence (UGC)	1 (Under process)	--
(h) Autonomous colleges	--	--
(i) Colleges with Postgraduate Departments	29	48,408
(j) Colleges with Research Departments	--	--
(k) University recognized Research Institutes / Centers	--	--

16. Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes  No

**17. Academic programmes offered by the university departments at present, under the following categories:**

<b>Programmes</b>	<b>Number</b>
UG	01 (Integrated B.Sc.-M.Sc.Physics)
PG	19
M. Phil.	07
Ph. D.	Ph.D. programmes offered in 26 subjects by the University.
Certificate	--
Diploma	--
PG Diploma	--
Any other	
• Advance Diploma	--
• Vocational Courses	--
• 5 Yrs. B.Tech.-M.Tech. dual degree	--
• Two Yrs. M. Tech. programme	M. Tech.-Solar Energy
• Three Yrs. M. Tech. Programme	--
• Innovative Programmes	--
<b>Total Programmes</b>	<b>52</b>

**18. Number of working days during the last academic year (2015-16):** 279

**19. Number of teaching days during the past four academic years.**

<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
201	205	202	203

(Teaching days means days on which actual classes were engaged. Examination days are not included)

**20. Does the university have a department of Teacher Education?**

Yes  No

**21. Does the university have a teaching department of Physical Education?**

Yes  No

If yes,

a. Year of establishment : 2005-06

b. NCTE recognition details (if applicable)

(i) Offline application : applied on 18/07/2014.

(ii) Online application : applied on 29/05/2015.

vide Ref. No. NRCAPP11443.

Recognized in the 252nd Meeting of the NRC, NCTE, Jaipur held from April 19th to May 2nd, 2016 (Part-2).

c. Is the department opting for assessment and accreditation separately?

Yes  No

**22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?**

Yes  No  : N. A.

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.

**23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon:**

The University has been reviewed by the different regulatory authorities and funding agencies like UGC, DST, DSIR, MHRD, etc. A peer team of the UGC has visited the University during September 26-27, 2012 for granting the 12(b) status to the University. Finally, the University has been awarded 12(b) status of the UGC Act, 1956 (Copy of the certificate is enclosed at the last of the report). DST-FIST funding has been awarded to the Department of Pure & Applied Chemistry of the University. DSIR has registered the University for granting the Customs and Excise Duty exemption for purchase of scientific instruments.

**24. Number of position in the University:**

Positions	Teaching Faculty				Staff		
	Prof.	Asso. Prof.	Asstt. Prof.	Total	Non-teaching	Technical	Total
Sanctioned by the UGC / University / State Government	06	11	17	34	125	10	135
<i>Recruited</i>	04	08	12	24	34	03	37
<i>Yet to be recruited</i>	02	03	05	10	91	07	98*
Number of persons working on contract basis	--	--	--	--	48	--	48

\*The selection procedure for the 74 posts of non-teaching and technical staff including Assistant Director, Physical Education (1), LDC (30), Computer Operator (4), Computer (2), Stenographer-Hindi (3), Driver (3), Book Attendant (2) and Class IV (29) have been completed. Appointments of all the selected candidates will be given very soon after receiving the approval of the Government of Rajasthan.

**25. Qualifications of the teaching staff:**

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	M	F	M	F	M	F	
<b>Permanent teachers</b>							
D.Sc./D.Lit.	--	--	--	--	--	--	--
Ph.D.	02	02	05	03	04	04	<b>20</b>
M.Phil.	--	--	--	--	--	--	--
P.G.	--	--	--	--	04	--	<b>04</b>
<b>Temporary teachers</b>							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
P.G.	--	--	--	--	--	--	--
<b>Part-time / Retired / Visiting / Guest Faculty from other colleges</b>							
	Retired Teachers				Guest Faculty		
	Male		Female		Male	Female	
Ph.D.	--		--		24	29	
M.Phil.	--		--		--	--	
P.G.	--		--		19	17	

**26. Emeritus / Adjunct / Visiting / Guest Faculty:**

Positions	Emeritus	Adjunct	Visiting	Guest faculty
Number	--	--	--	89

**27. Chairs instituted by the University**

: None

**28. Students enrolled / admitted in the university departments during the academic year (2015-16) with the following details:**

Students	UG		PG		Integrated Masters		M. Phil.		Ph.D.		D.Litt. / D.Sc.		Certificate		Diploma		PG Diploma	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
From the state where the university is located	27	13	237	128	--	--	--	--	34	42	--	--	--	--	--	--	--	--
From other states of India	--	01	10	5	--	--	--	--	12	5	--	--	--	--	--	--	--	--
NRI students	--	--	01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Foreign students	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Level wise Total</b>	<b>27</b>	<b>14</b>	<b>248</b>	<b>133</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>46</b>	<b>47</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Total (2015-16)</b>	<b>41</b>		<b>381</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>93</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>

M - Male F - Female

**29. 'Unit cost' of education:**

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

- (a) including the salary component = Rs. 793.79  
(b) excluding the salary component = Rs. 544.01

**30. Academic Staff College:**

University of Kota has signed a MoU with UGC-HRDC, Jai Narain Vyas University, Jodhpur to conduct orientation programmes/refresher courses / short term courses / workshops / special courses / summer schools / winter schools / professional development programmes in the University of Kota. After the MoU, the University has organized 93rd Orientation Programme of UGC-HRDC, Jai Narain Vyas University, Jodhpur for College & University Teachers from 15/02/2016 to 12/03/2016. The University is going to organize a refresher course on Computer Applications (Inter-disciplinary) from 11/05/2016 to 31/05/2016.

**31. Does the university offer Distance Education Programmes (DEP)?**

Yes  No

If yes, indicate the number of programmes offered **N.A.**  
are they recognized by the Distance Education Council? **N.A.**

**32. Does the university have a provision for external registration of students?**

Yes  No

If yes, how many students avail of this provision annually? **N.A.**

**33. Is the university applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.**

Accreditation: Cycle 1  Cycle 2  Cycle 3  Cycle 4   
Re-Assessment:

**34. Date of accreditation\*** (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only): **N. A.**

**35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university**

Types of NAAC Accredited Colleges	Number of Colleges	Numbers of Students
Constituent Colleges	--	--
Affiliated Colleges	165	2,30,160
Autonomous Colleges	--	--

**36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR)**

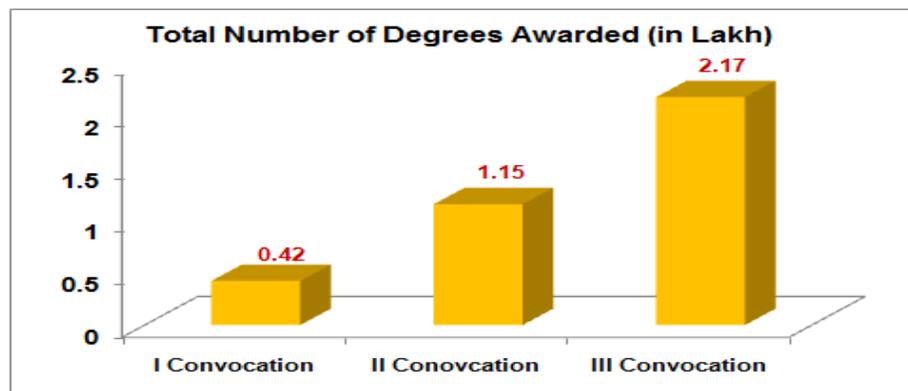
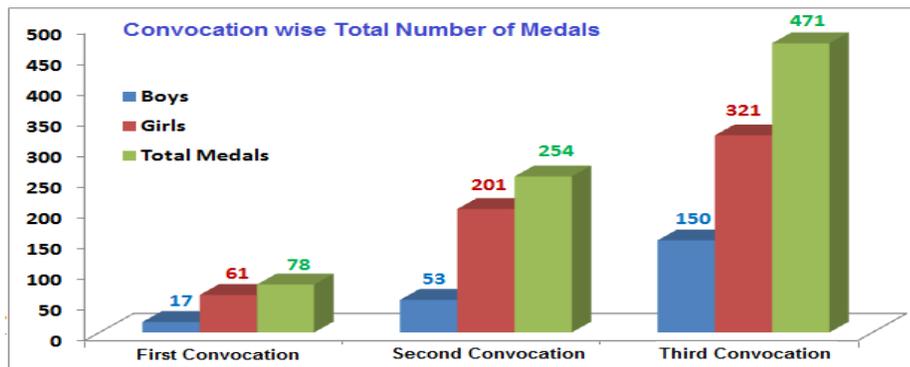
**IQAC :** 02/04/2013

**AQAR:** NA



**37. Any other relevant data, the university would like to include (not exceeding one page):**

The University has organized the 1st convocation on 21 April 2006, 2nd convocation on 29 June 2013 and 3rd convocation on 13 March 2016. The University emphasizes on the women education in the Hadoti region. The gender wise data of Ph.D. degrees / Medals awarded during University convocations:



### 1st Convocation:

Medals and degrees of 2004 to 2005 were distributed during the 1st convocation held on April 21, 2006.

### Medals:

S. No.	Name of Faculty	Boys	Girls	Total
1	Arts	05	15	20
2	Social Sciences	--	07	07
3	Science	08	25	33
4	Commerce	01	09	10
5	Law	--	--	--
6	Education	03	01	04
7	Chancellor's Medal	--	02	02
8	Vice Chancellor's Medal	--	02	02
<b>Total Medals</b>		<b>17</b>	<b>61</b>	<b>78</b>

Apart from above medals and degrees, total 0.42 Lakh degrees have been conferred to the graduates and postgraduates students.

### 2nd Convocation:

Medals and degrees of 2006 to 2009 were distributed during the 2nd convocation held on June 29, 2013.

### Medals:

S. No.	Name of Faculty	Boys	Girls	Total
1	Arts	08	35	43
2	Social Sciences	09	35	44
3	Science	19	91	110
4	Commerce	06	24	30
5	Law	--	05	05
6	Education	09	05	14
7	Chancellor's Medal	01	03	04
8	Vice Chancellor's Medal	01	03	04
<b>Total Medals</b>		<b>53</b>	<b>201</b>	<b>254</b>

Apart from above medals, total 1.5 Lakhs degrees have been conferred to the graduates and postgraduates students.



### 3rd Convocation:

Medals and degrees of 2010 to 2014 were distributed during the 3rd convocation held on March 13, 2016.

### Medals:

S. No.	Name of Faculty	Boys	Girls	Total
1	Arts	33	69	102
2	Social Sciences	41	63	104
3	Science	45	122	167
4	Commerce	22	34	56
5	Law	02	10	12
6	Education	05	15	20
7	Chancellor's Medal	01	04	05
8	Vice Chancellor's Medal	01	04	05
<b>Total Medals</b>		<b>150</b>	<b>321</b>	<b>471</b>

Apart from above degrees, total 2.17 Lakhs degrees have been conferred to the graduates and postgraduates students.





# Criterion-wise Analytical Report

# CRITERIA WISE ANALYTICAL REPORT

## CRITERION-I CURRICULAR ASPECTS

### 1.1 Curriculum Design and Development:

#### 1.1.1 How is the institutional vision and mission reflected in the academic programmes of the university?

The University since its inception is striving hard to structure its academic curriculum capable of empowering skillfull youth in decision making in crital situations through application of mind for the betterment of society with a futuristic vision. The postgraduate programme in Physics (Energy), Industrial Chemistry, Heritage, Wildlife Science are some examples of innovative programme where University has produced competant manpower with capacity aquired through the application of inter-disciplinary knowledge making them future enterprenauers in new emerging sectors of societal needs and innovative thinkers for envisaging and shaping our country as vibrant, self-reliant and socially empowered nation. Objectives of each of the following programmes indicate that due care has been taken in formulating the course content of the programme:

#### **Department of Pure and Applied Chemistry:**

- To make the Department as a hub for the advance centre in the field of research and modern analytical techniques.
- To produce postgraduates of Chemistry and Industrial Chemistry with in-depth knowledge of basics and advances in the subject.
- To provide 'hands-on-experience' on the scientific instruments and recent synthetic technologies which are required essentially in various types of industries.
- To generate 100% employment opportunities at national and international levels.
- To produce trained knowledgeable industrial persons to get employment in various public/private sectors.
- To produce large number of JRF/SRF and GATE scholars with research oriented mind.
- To generate self-confidence in the students to adopt many unexplored research professions.

#### **Department of Pure and Applied Physics:**

- Strengthen the theoretical & experimental capabilities of the students. Comprehensive theoretical and experimental knowledge

in major areas of Physics such as material science, plasma science, energy studies, etc.

- Enhance the problem solving approach of the students through tutorial classes, regular tests and pre-examination tests with special attention on NET / GATE / JEST syllabus.
- Generate placement avenues along with the academic alliance with power sectors, industries/corporations, scientific institutions like BARC, CAT, IITs, IPR, IISc, DRDO, SINP, IUC, IGCAR, ONGC, IBM, DGFC, forensic laboratories, energy sector etc.
- Motivate the students towards research.

**Department of Computer Science and Informatics:**

- To produce professionals who can dedicate themselves to mankind and society.
- To produce world-class professionals who have excellent analytical skills, communication skills, team building spirit and ability to work in cross cultural environment.

**Department of Life Sciences:**

- To fuse quality education with contemporary trends in the life so that the students are not only kept abreast with the changes in the life but are also able to enhance their skill set.
- To promote all those areas of study that deal with living things.
- To promote learning and research aptitude in all branches of life sciences.
- Our focus is to lay a solid foundation on which the students can stand firmly and build a career on.

**Department of Wildlife Science:**

- In depth knowledge of wildlife conservation, and a critical understanding of concepts such as sustainability and sustainable development.
- Practical skills in mapping bio-diversity and running spatial analysis to understand and illustrate conservation issues.
- An understanding of ecological networks and eco-system services, and how they are identified, mapped and protected.
- An understanding of environmental changes and the consequences.
- Understanding of socio-political and ethical dimensions of conservation problems.
- Confidence in use of universally available resources and open-access software.
- Transferable skills necessary for employment, including initiative, personal responsibility, leadership.

**Department of Commerce & Management:**

- To improve the skills and innovative behaviour of students.
- To increase entrepreneurial capabilities and efficiency of students that is likely to reflect itself in the long run in the well-being of the individuals and society as well as of the department.
- To develop untapped energy, performance and creativity in students for making them dynamic and innovative business leaders.
- To locate, ensure, recognize and develop the enabling capabilities of students for management of International Business.
- To develop research orientation among the students.
- To provide excellent and promising academic career to the students with a vision.

**Department of Social Sciences:**

- The main objective is to impart knowledge about the social structures and functions as well as the relevant social issues and aspects pertaining to the human society through the various techniques.
- Both theory and practical are indispensable for a scholar of Social Sciences. Our courses are thus sufficient to disburse the theoretical knowledge as well as the practical aspects of the society.
- To prepare students for various upcoming fields *viz.* media and communication, journalism, TV serials / cinema, archaeology, disaster management, remote sensing, politics, *etc.*

**School of Heritage, Tourism, Museology & Archaeology:**

- To impart knowledge about conservation and proliferation of Art, Culture and Indian Heritage through innovative technologies instead of old mythology.

**Department of Physical Education:**

- To produce star players.
- To produce postgraduate students in the field of physical education.
- To inculcate research orientation in the minds of students to develop physical fitness & awareness about health and also for pursuing further research in physical education & sports.

**Department of Law:**

- To produce postgraduate students in Law.
- To produce competent legal experts for various professions.
- To develop research aptitude among the students.

Along with above objectives of the courses running in the campus, the University is making its best efforts to improve the teaching-learning quality by undertaking the following on continued basis:

- Regular revision of ongoing curricula by holding the meetings of BoS and CoC so that latest developments may be incorporated.
- University is organizing large number of academic events like national & international conferences, symposia, seminars, workshops and events giving exposure to faculty members and students.
- University is also giving funds for minor research to motivate young faculty members and encourage them to submit project proposals for funding to different agencies to move towards establishment of Centers of Excellence in the Departments.
- For better exchange of knowledge, the University has been collaborating with institutes / universities of national and international repute.
- The academia-industry tie ups are helping in strengthening the existing programmes to provide practical skills and field experiences to the students.



**1.1.2. Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.):**

In the light of vision and mission of the University, a systematic approach is taken to design / revise / modify the course curricula by adopting a three stage process envisaging the need and making optimal utilization of resources. The course curricula of the University are designed in the light of model curriculum of the UGC for various programmes. All the on campus courses are running under semester scheme with equal credit and uniform examination pattern irrespective of the disciplines.

The assessment and modification of curriculum of the courses takes place at three different levels which are as follows:

- **Departmental Pre-Board of Studies (Pre-BoS) / Pre-Committee of Courses (Pre-CoC) Meetings:**

A preliminary outlines of the development of a new curriculum or revision / modification of existing curriculum is initiated at the departmental level after thorough interaction among faculty members based on the experience gained during the academic sessions through classroom teaching, conferences, seminars, interaction with experts from other academic institutes & industries, evaluation of answer books and feedback of the individual students.

- **Board of Studies (BoS) / Committee of Courses (CoC):**

The observations by the department along with copy of the existing curriculum is send to member of the BoS / CoC comprising external subject experts, representative of industry, internal faculty members and representative of the affiliated colleges. The whole content is thoroughly discussed and syllabus is framed for current academic session and recommendations submitted for further ratification by the academic council.

- **Academic Council:**

The University has Academic Council as highest statutory academic body to take final decisions on the recommendations submitted by the concerned BoS / CoC. The Academic Council is empowered to approve the recommendations / resolutions of the BoS / CoC or to refer back the curricula to improve / modify the contents, scheme of examinations, rules and regulations.



After the final approval of the Academic Council, the rules, regulations, contents of the curriculum, scheme of examinations come into force and the same are uploaded on the University

website for ready accessibility to all students, faculty members and all others who have requirement for academic purpose.

### 1.1.3 How are the following aspects ensured through curriculum design and development?

- **Employability:**

The curricula of various postgraduate programmes have been designed in such a way that the students are equipped with conceptual and practical knowledge of a particular course so that they may qualify various competitive examinations conducted by state public service commissions, union public service commission, UGC, CSIR, DAE-BRNS, etc. and become employable for jobs in different sectors.

The postgraduate courses of the University are summarized here along with their scope of the job opportunities for employability of the students

- Syllabi of M.Sc. Organic Chemistry, M.Sc. Analytical Chemistry and M.Sc. Industrial Chemistry are designed by keeping in mind the standards of various competitive examinations and as per requirement of job skills for chemical science industries including pharmaceuticals, petrochemicals, agrochemicals, fertilizers, rubbers, textiles, heavy & fine chemicals, plastics & polymers, dyes & paints, cement, glass & ceramics, pulp & paper, soaps & detergents, fragrance & flavours, food, milk & milk products, *etc.* wherein basic and advanced knowledge of subject along with good “hands-on-experience” on advanced instruments are required.
- The curricula of the physics are designed by the academicians, energy professionals / technocrats and physicists to provide the theoretical and practical knowledge, and in addition, to give the exposure of training as well as job opportunity in the institutes / organizations like BARC, RRCAT, IPR, TIFR, IITs to PG and research students.
- The curriculum of the MCA has been designed and developed to prepare students in new emerging areas of computer applications. Computer science students may be employable in different software and hardware companies such as IBM, Wipro Technology, Infosys, TCS, HCL, *etc.* to provide their expert services in cloud computing, artificial intelligence, machine learning, image processing, big data analysis, database controlling, communication networking, animation, web designing & development, *etc.* The students may also start their own business in the software and hardware services and development.

- Life science is a broad field which includes the subjects like botany, zoology, biochemistry, cell biology, microbiology, molecular biology and other related ones. The M.Sc. Life Sciences course has been designed to prepare the students in the fields of botany, zoology, bio-modeling, bio-informatics, bio-technology, bio-statistics, environmental conservation, food sciences, agriculture science, neuroscience, medical science and allied fields.
- M.Sc. Wildlife Science course has been designed and developed with a focus of employment in the areas of ecology, biology, conservation and management of wild animals and to prepare the students as wildlife scientists, conservation officers, rangers for rendering services in the fields of anatomy, physiology, breeding, reproduction, nutrition, health, husbandry, ecology, welfare and behaviour of wild animals.
- MBA programme has been developed in such a way which not only enhances employability of students as management professionals for various segments of industrial and business world. The contents of the course have been prepared in consultation with industrial and business leaders to help in sharpening entrepreneurial skills and business acumen among the students. Curriculum of MBA (International Business) exposes the students for understating the complexities and latest dimensions of international business environment and for accepting global assignments. M.Com. course has also been designed in such a way that students are prepared as commerce professionals to be absorbed in any business venture.
- MSW and M.A. Development Studies courses have been framed for acquiring knowledge and training to serve in the jobs related to social welfare, eradication of social evils, rehabilitation, environmental issues, etc. in different organizations viz. UNICEF, NRHM, MNEGRA, reputed NGOs, industries, labour organizations.
- M.A./M.Sc. Geography course focuses on acquiring the knowledge of earth & its environment and sustainable development. The students are employable in jobs related to remote sensing, environment, survey and planning, etc.
- Heritage, Tourism, Museology & Archaeology is an innovative teaching course with wide dimension of conservation and proliferation of art, culture and Indian heritage. The students can avail job opportunities in the field of tourism, archaeology, national museums, cartography.
- The course curriculum of M.P.Ed. has been designed keeping in mind the object to produce postgraduate students as star

- players, coaches, physical instructors / trainers for sports, games and physical education.
- The course of LL.M. has been designed in such a way that after completion of this course, the students can enter into all types of legal / professional fields including mercantile law, tort and crime, labour law, family / personal law, *etc.* at national and global level.

Besides, the students are trained and promoted through regular entrepreneurship workshops and training programmes to become a job provider rather than job seeker.

- **Innovation:**

The University envisaging the future needs and new emerging areas of specialization have developed and successfully running some of the following innovative-

**Integrated / Postgraduate Programmes:**

- Integrated B.Sc.-M.Sc. Physics
- M.Tech. Solar Energy
- M.Sc. Physics Energy
- M.Sc. Industrial Chemistry
- M.Sc. Wildlife Science
- M.A. Development Studies
- Master of Social Works
- M.A. Heritage, Tourism, Museology & Archaeology

**Centres / Cells:**

- Sophisticated Analytical Instrumentation Centre
- Intellectual Property Rights Cell
- Entrepreneurship Cell
- Digital English Language Lab.
- Skill Development Centre (Upcoming)

**Research Centres:**

- *Swami Vivekanand Shodhpeeth*

- **Research:**

The curricula of all the postgraduate programmes take care of developing research potential in the students majoring in different subjects by a way of industrial field visits, project work, identification and discussion on research areas, assigning academic mentors / supervisors, extension lectures and seminar presentations by the students. The specific niche areas in different departments are as follows:

- Department of Pure & Applied Chemistry-fly ash & its utilization, material science, polymer science, atmospheric science, heterogeneous catalysis, kinetic studies, nanomolecular devices, hydrogen and oxygen generation via water splitting, quantum dots, photo-electrochemistry, heterocyclic chemistry, medicinal chemistry, organic synthesis, asymmetric synthesis, green chemistry, catalysis, quantitative structure-activity relationship study, drug discovery & development, electro-organic synthesis, bio-catalysis, electro-chemical sensor, corrosion, FA/CNT reinforced polyurethane and epoxy composites, waste management, and water purification, etc.
- Department of Pure and Applied Physics-plasma physics, materials, X-ray absorption spectroscopy (XANES & EXAFS), Compton scattering measurements using gamma-rays and synchrotron radiations, *ab-initio* calculation using linear combination of atomic orbitals and full potential linearized augmented plane wave approaches, electronic, structural and optical properties of doped and undoped binary semiconductors using experimental and *ab-initio* techniques, synthesis and characterization of Zn, Cd and Pb based nano-wires for potential applications, renewable and sustainable energy specifically solar thermal, solar buildings, photovoltaics, hybrid systems, energy efficiency and management, heat losses through the collectors, composite layers, development of technology for mini appliances, material development, etc.
- Department of Computer Science and Informatics-wireless ad-hoc network and sensor network, software testing, artificial intelligence, intelligent systems & CBR, artificial neural network, database AI, clustering algorithms, robotics.
- Department of Life Sciences-biology, animal science, plant science, agro-technology, biotechnology, bio-engineering, biochemistry, biomedical engineering, ecology, environmental science, food science, genetics and genomics, nanotechnology, neuroscience, proteome and proteomics.
- Scholars of the Department of Wildlife Science-National Chambal Sanctuary, Mukundara Hills Tiger Reserve, Ranthambhore Tiger Reserve, Darrah and Jawahar-sagar Sanctuary with the Forest and Wildlife Department of Rajasthan on various aspects of flora and fauna, ecology and behaviour of endangered species like Gharial, Crocodile, Vulture, Sloth bear, panther and other anthropogenic activities.
- Department of Commerce & Management-contemporary issues of commerce, human resource management, marketing

- management, tourism management, financial management, general management.
- Department of Social Sciences and School of Heritage, Tourism, Museology & Archaeology-social justice, social change, crime, criminology, studies on tribal & rural communities, informal sector & marginalized people, gender issues, Indian government and politics, state politics, comparative politics, area studies, human rights, foreign policies, international relations, women empowerment, social welfare administration, panchayati raj, Rajasthan history and culture, socio-economic history, geomorphology, environment and society, agricultural geography, water management, industrial geography, resource geography, heritage, tourism, museology and archaeology.
- Department of Physical Education-different aspects of physical education.
- Department of Law-mercantile law, tort & crime, labour law, family law, constitutional law.

The University has a provision for M.Phil. and Ph.D. degrees as per the UGC Regulation on Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degree, Regulation, 2009.

**1.1.4 To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?**

The University follows the guidelines provided by the regulatory bodies *i.e.* UGC, AICTE, NCTE, BCI, *etc.* and the State & the Central Govt. for designing, developing and/or restructuring the curricula.

- In order to bring uniformity in the semester scheme, the University has already initiated and is implementing the Choice Based Credit System.
- The University of Kota is the first university in the State to implement the "*UGC Regulation on Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degree, Regulation, 2009*" and giving admissions according to the regulation.
- In pursuance to the UGC guidelines, the University organized workshop to revise the syllabus for Ph.D. course work.
- The University has credit of organizing one workshop for Rajasthan Public Service Commission to suggest important changes in the syllabus and pattern of examination of Rajasthan Administrative and Subordinate Services.

**1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?**

The continuous holding of the BoS / CoC meetings and provision of co-opting representatives from industries, civil societies, technical experts from scientific societies and ensure the upgradation of curriculum. Its impact can be seen in the patents awarded to the University, industrailists approching to the University departments for technical consultancies, passed out students starting their own ventures and NGOs.

**1.1.6 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.**

The University provides guidance and counseling to all interested incumbents for opening new college or starting new course(s) by providing the process of affiliation. The University also provides guidance to meet the minimum requirements and standards in terms of infrastructure and trained manpower. The availability of the minimum requirement of standards is ensured through regular inspections and suggestions for improvment, if required. The curriculum and examination schemes of the University are required to be adopted by the college.

**1.1.7 Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities):**

The University has been supporting different affiliated colleges volunteering to conduct specific skill oriented programmes and / or establish skill centres catering the regional needs. Government and private colleges of the jurisdiction of the University are organizing such programmes regularly. Some of the discernable skill oriented programmes are as follows:

- Personality development workshops
- Brainstorming sessions / workshops on interest and benefit of the youth
- Career counseling and Curruculum Vitae writing programmes
- Skill upgradation lectures / programmes
- Cultural programmes
- Induatrial tours and trainings programmes
- Academic exhibitions

## 1.2 Academic Flexibility:

### 1.2.1 Furnish the inventory for the following:

- **Programmes taught on campus:**

Integrated undergraduate-postgraduate and postgraduate programmes:

#### **Faculty of Science:**

##### **Department of Pure & Applied Chemistry**

- (i) M. Sc. Chemistry with Specialization in
  - Organic Chemistry
  - Analytical Chemistry

- (ii) M. Sc. Industrial Chemistry

##### **Department of Pure & Applied Physics**

- (iii) Integrated B. Sc.-M. Sc. Physics
- (iv) M. Sc. Physics-Energy
- (v) M. Tech.-Solar Energy

##### **Department of Computer Science & Informatics**

- (vi) Master of Computer Applications (MCA)

##### **Department of Pure & Applied Mathematics\***

- (vii) M. Sc. Mathematics

##### **Department of Life Science\***

- (viii) M. Sc. Life Sciences
- (ix) M. Sc. Botany
- (x) M. Sc. Zoology

##### **Department of Wildlife Science\***

- (xi) M. Sc. Wildlife Science

#### **Faculty of Commerce & Management:**

##### **Department of Commerce & Management**

- (xii) Master of Business Administration (MBA)
- (xiii) MBA (International Business)
- (xiv) Master of Commerce (M.Com.)-Accounting & Finance

#### **Faculty of Social Sciences:**

##### **Department of Social Sciences**

- (xv) Master of Social Works (MSW)
- (xvi) M. A. Development Studies
- (xvii) M. A. / M. Sc. Geography

##### **School of Heritage, Tourism Museology & Archaeology**

- (xviii) M. A. Heritage, Tourism, Museology & Archaeology

#### **Faculty of Education:**

##### **Department of Physical Education\***

- (xix) Mater of Physical Education (M. P. Ed.)

#### **Faculty of Law:**

##### **Department of Law\***

- (xx) Master of Law (LL.M.)

*\*Courses these departments are running under Self Finance Scheme.*

**Ph.D. Programmes:****Faculty of Science:**

- Chemistry
- Physics
- Computer Science
- Mathematics
- Botany
- Zoology

**Faculty of Commerce & Management:**

- Accountancy & Business Statistics
- Economic Administration & Financial Management
- Business Administration / Management

**Faculty of Social Sciences:**

- Economics
- Geography
- Public Administration
- Sociology
- Political Science
- History
- Home Science

**Faculty of Arts:**

- Hindi
- English
- Sanskrit
- Drawing & Painting
- Music
- Urdu

**Faculty of Education:**

- Education
- Library and Information Science

**Faculty of Law:**

- Law

- **Overseas programmes offered on campus:**

No overseas programme is offered by the University.

- **Programmes available for colleges to choose from:**

B. Sc.	B. A.
• Bio-chemistry	• Draw & Paint.
• Biotechnology	• Economics
• Botany	• English Lit.
• Chemistry	• Geography
• Computer Science	• Hindi Lit.
• Info. Technology	• History
• Mathematics	• Home Science
• Microbiology	• Music
• Physics	• Pol. Science
• Zoology	
	• Psychology
	• Public Admin.
	• Rajasthani
	• Sanskrit
	• Sindhi
	• Sociology
	• Urdu
	• Physical Edu.

**Other Undergraduate Courses:**

- B.B.A.
- B.C.A.
- B. P. Ed.
- LL.B.

B. Com.	M.Com.
<ul style="list-style-type: none"> <li>• <b>Pass Course</b> <ul style="list-style-type: none"> <li>○ ABST</li> <li>○ EAFM</li> <li>○ Business Administration</li> </ul> </li> <li>• <b>Honors Course</b> <ul style="list-style-type: none"> <li>○ Commerce</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• ABST</li> <li>• EAFM</li> <li>• Business Administration</li> </ul>
M. Sc.	M. A.
<ul style="list-style-type: none"> <li>• Bioinformatics</li> <li>• Biotechnology</li> <li>• Botany</li> <li>• Chemistry</li> <li>• Computer Science</li> <li>• Geography</li> <li>• Industrial Chemistry</li> <li>• Information Technology</li> <li>• Mathematic</li> <li>• Microbiology</li> <li>• Pharmaceutical Chemistry</li> <li>• Physics</li> <li>• Physics-Energy</li> <li>• Psychology</li> <li>• Wildlife Science</li> <li>• Zoology</li> </ul>	<ul style="list-style-type: none"> <li>• Drawing &amp; Painting</li> <li>• Economics</li> <li>• English</li> <li>• Geography</li> <li>• Hindi</li> <li>• History</li> <li>• Home Science</li> <li>• Music</li> <li>• Political Science</li> <li>• Psychology</li> <li>• Public Administration</li> <li>• Rajasthani</li> <li>• Sanskrit</li> <li>• Social Work</li> <li>• Sociology</li> <li>• Urdu</li> <li>• Vedic Vangmaya</li> </ul>

**1.2.2 Give details on the following provisions with reference to academic flexibility:**

**(a) Core / Elective options:**

The University has adopted semester system with CBCS in postgraduate programmes running in the campus. Each department is offering certain number of core and elective papers. Students can opt more than one elective paper to earn required number of credits to complete their course.

**(b) Enrichment courses:**

The University is running enrichment programmes in the campus such as course on communication skill at language lab of the University. Besides, the University organizes the entrepreneurship development programmes every year to enhance the skill-based knowledge. To create and spread awareness about the intellectual property rights, the University has established 'Intellectual Property Right Cell'.

**(c) Courses offered in modular form:**

The University is running courses in modules / sections / units.

**(d) Credit accumulation and transfer facility:**

Some Departments of the University has introduced the concept of credit accumulation and credit transfer facility. For examples, students of the MCA programme are doing one semester project work outside the University. After completion of the project work, dissertation report is submitted by each student. Credits earned by the students during the project works are transferred to the grade-sheet of the student after successful defending the project in viva-voce examination.

**(e) Lateral and vertical mobility within and across programmes, courses and disciplines:**

The lateral entry has been adopted in the MCA programme of the University.

**1.2.3 Does the university have an explicit policy and strategy for attracting international students?**

The University has explicit policy for attracting international in the courses offered on the campus. Rules and regulations have been framed to give admission to the international and NRI students which are given below:

- (i) At least 60% marks in qualifying examination is the minimum requirement for admission of international and NRI students to various courses in the University.
- (ii) Admission to international students shall be given as per the policies of the Government of India (Ministeries of External Affairs, Home and Human Resource Development) declared from time to time.
- (iii) The admission of self-supporting students shall be confirmed only after having sought clearance from the Ministry of Human Resource Development (Department of Education), Government of India, New Delhi or High Commission / Embassy concerned.
- (iv) The foreign students are required to submit a medical certificate including report of HIV test form the specified authority at the time of their admission.
- (v) Incomplete application form shall not be entertained in any condition.
- (vi) Admission form shall be purchased by cash of INR 1000/- or by a bank draft of INR 1500/- in favour of the Registrar, University of Kota payable at Kota.
- (vii) No direct application / documents of the foreign students who wish to seek admission to postgraduate / Ph.D. course shall be

entertained by the Head of the Teaching Departments / Supervisors for Ph.D. course. They are required to submit the same to the office of the Vice-Chancellor of the University to ascertain the eligibility.

- (viii) The foreign students are required to maintain good conduct during the course of studies in the University. Fees and other dues must be cleared on time.
- (ix) Every international student shall report to Foreign Registration Officer, for extension of his/her visa three months in advance. They shall keep close liaison with foreign Registration Office regarding visa formalities, etc.
- (x) All admissions shall be provisional till all formalities are completed.
- (xi) All other Rules for local students shall also apply to the international students.

All enquiries and applications for admission should be addressed to:

The Registrar,  
University of Kota,  
Kota, PIN-324 005, Rajasthan,  
India

Presently, one international student is studying in the M.Sc. Wildlife Science course in the campus. One application form from an international student (South Africa) was also received through his Embassy but he could not be given admission due to lower percentage in the qualifying examination.

**1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments:**

The University offers postgraduate programmes to international students with same course curricula which are offered to the Indian students. Hence, no need was felt to design special programmes with different course contents for international students.

**1.2.5 Does the university facilitate dual degree and twinning programmes? If yes, give details:**

At present, the University facilitates dual degree programme in the Department of Pure & Applied Physics as five year Integrated B.Sc.-M. Sc. Physics. The University is also planning to start more such integrated programmes in various disciplines / faculties in coming years.

The University has allowed to start dual degree integrated courses as B.A.-B.Ed., B.Sc.-B.Ed., *etc.* in its affiliated colleges from the next academic session *i.e.* 2016-17.

**1.2.6 Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?**

The University is offering postgraduate programmes under self-finance scheme in following different areas:

- M.Sc. Life Sciences
- M.Sc. Wildlife Science
- Mater of Physical Education (M.P.Ed.)
- Master of Law (LL.M.)
- M.Phil. Courses in
  - Chemistry
  - Physics
  - Commerce
  - Geography
  - History
  - Political Science
  - Sociology

M.Sc. Life Sciences, M.Sc. Wildlife Science, M.P.Ed. and LL.M. have different admission eligibility rules for admission, number of seats and fee structure. Admissions are done as per Admission Policy made by the University. From the session 2016-17, the admission in M.P.Ed. course shall be done through Pre-Physical Education Entrance Test (PPEET) to be conducted by University of Rajasthan, Jaipur under the centralized admission policy of the State Govt.

For running these courses smoothly, the University has nominated course-coordinators for M.Sc. Life Sciences, M.Sc. Wildlife Science and LL.M. from its affiliated Govt. colleges. For looking after the M.P.Ed. course, a person having Ph.D. degree with 15 years of teaching experience has nominated as the Director, Physical Education. The qualifications of all other teachers, who are engaged for taking classes as guest faculty on part-time basis, are as per UGC guidelines.

The remuneration given to the guest faculty for these courses is as per the State Govt. norms.

**1.2.7 Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education**

**and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details:**

The University is running the conventional face-to-face mode of education. Presently, University does not provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education.

**1.2.8 Has the university adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?**

The University has adopted semester system in all the postgraduate programmes running in the campus and is implementing choice based credit system (CBCS) with uniform number of papers and credit points in each course / semester. The University is moving towards for the implementation of the CBCS in phase manner as given below:

- Phase-I:Implementation of CBCS in all programmes running in the University campus.
- Phase-II:Implementation in all affiliated colleges only in postgraduate programmes of science faculty.
- Phase-III:Implementation in all affiliated colleges in postgraduate programmes of all faculties other than science.
- Phase-IV:Implementation in all affiliated colleges in undergraduate programmes of science faculty.
- Phase-V:Implementation in all affiliated colleges in undergraduate programmes of all faculties other than science.

**1.2.9 What percentage of programmes offered by the university follow:**

- **Annual system:**  
All the UG and PG courses in affiliated colleges are offered with annual examination scheme.
- **Semester system:**  
All the postgraduate programmes running in the University campus are offered with semester scheme of examination with internal / continuous assessment (30% weightage) and external / semester assessment (70% weightage) pattern.
- **Trimester system:**  
There is no trimester system followed in any programme of the University.

**1.2.10 How does the university promote inter-disciplinary programmes? Name a few programmes and comment on their outcome:**

The University is offering integrated M.Tech. Solar Energy, MCA, M.Sc. Chemistry and M.Sc. Industrial Chemistry with course content

of the inter-disciplinary nature. The eligibility criteria for admission in these courses include undergraduate degrees with inter-disciplinary courses. Mathematics, Computer, Biology, Environment, Economics, Management, *etc.* are being taught in these programmes.

### **1.3 Curriculum Enrichment:**

#### **1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?**

Modification / revision of curriculum of different courses is a routine exercise done every year. The meeting the BoS/CoC of each subject / course is organized regularly to discuss the ongoing curriculum and based upon the feedback received from faculty members, students, alumni and stakeholders, the BoS / CoC of the concerned subject / course recommends changes / modifications / improvements to the academic council of the university for their final approval. In view of launching of the CBCS, several changes in the prescribed curriculum have been made as per its requirement.

#### **1.3.2 During the last four years, how many new programmes at UG and PG levels were introduced? Give details:**

• <b>Inter-disciplinary:</b>	<b>Academic Session</b>
○ M.A. Development Studies	2013-14
• <b>Programmes in emerging areas</b>	
○ M. Com. Accounts & Finance	2012-13
○ Integrated B. Sc.-M. Sc. Physics	2013-14
○ M. Tech. Solar Energy	2014-15
○ M.Sc. Analytical Chemistry	2014-15

#### **1.3.3 What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?**

The courses run by university are constantly revised / modified by the BoS / CoC of each department and monitored by the Academic Council. Revisions / modifications of the existing courses / programmes are based on the feedback and job opportunities as per recent local / national / global demands. About 5-10% of contents of the courses are revised as per the requirement.

#### **1.3.4 What are the value-added courses offered by the university and how does the university ensure that all students have access to them?**

The university is offering following value added programmes in the interest of students:

- **English Language Lab:** For improvement in communication skill in the English language which is important in today's scenario for getting good employment.
- **Entrepreneurship Development Programme:** The University Department of Commerce and Management conducts EDP regularly to provide a platform for the young entrepreneurs to establish their own business as per market demand.



**1.3.5 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?**

The University is planning to start some postgraduate diploma / short term training programmes and B.Voc. courses after the approval of the Academic Council. Names of some programmes are given as:

- **Postgraduate Programmes:**
  - M.Sc. Chemistry with specialization in Inorganic Chemistry
  - M.Sc. Chemistry with specialization in Physical Chemistry
  - M.Tech. in Computer Science
  - M.B.A. in Tourism and Travel Management
- **Integrated Undergraduate-Postgraduate Programmes:**
  - Integrated B.A-M.A. Economics
- **Undergraduate Programmes:**
  - B.Sc. (Pass) Chemistry
  - B.Sc. (Honors) Chemistry
  - Bachelor of Physical Education and Sports (B.P.E.S.)
  - B.A. (Pass) with Economics, Geography & Public Admn.
  - B.A. (Honors) with Economics, Geography and Public Admn.
- **Postgraduate Diploma Programmes:**
  - Postgraduate Diploma in Food Analysis
  - Postgraduate Diploma in Pharmaceuticals Analysis

- Postgraduate Diploma in Agrochemicals Analysis
- Postgraduate Diploma in Environmental Analysis
- Postgraduate Diploma in QA & QC in Industries
- Postgraduate Diploma in Plastic & Polymer Science
- Diploma Course in Yoga Education
- **Certificate Programmes:**
  - Certificate Course in Cloud Computing
  - Certificate Course in Big Data Analysis
  - Certificate Course in Cyber Crimes, Security and Laws
  - Certificate Course in Yoga Education
- **Vocational Programmes:**
  - B.Voc. Chemical & Instrumental Analysis
  - B.Voc. Food and Food Products Analysis
  - B.Voc. Renewable Energy
  - B.Voc. Engine and Vehicle Testing

#### **1.4 Feedback System:**

##### **1.4.1 Does the university have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?**

Yes, the university departments have initiated feedback mechanism under which each student participates. The feedback forms of particular course / paper are analyzed by the departmental committee / concern course coordinator and necessary action is taken accordingly to enhance the teaching-learning process. Feedback received from students is kept as a record in the concern department.

##### **1.4.2 Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact:**

The University elicits feedback also on the curriculum from national faculty during the seminars, workshops and conferences. Online discussions are also made with international faculty members. Curricula of the courses have being modified and updated continuously to meet out global standards of the teaching and learning.

##### **1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of**

Departments at their own level obtains the feedback of faculty members of affiliated colleges about ongoing programmes, need of revision of curriculum, difficulties faced by faculty members with present curriculum, *etc.* during the meetings of BoS / CoC. The

recommendations of the BoS / CoC are approved by the Academic Council of the University.

**1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curricula?**

The University believes in introducing interdisciplinary job oriented courses in emerging areas which can sustain for a longer period and enhance the knowledge of students to great extent. For this, feedback mechanism has been implemented in some departments from academics, industry persons and other stakeholders to improve the existing curricula with introduction of the new courses / programmes according to recent demands for the society.

## **CRITERION-II**

### **TEACHING-LEARNING AND EVALUATION**

#### **2.1 Student Enrolment and Profile:**

##### **2.1.1. How does the University ensure Publicity and transparency in the admission process?**

The University ensures proper publicity and complete transparency of the admission process. The University earnestly follows all rules and regulations of admission process and reservation policy prescribed by the UGC as well as State Government.

- The University has framed the rules and regulations through Central Admission Committee for admissions as per the Admission Policy of the State Government and directions of the Hon'ble High Courts and the Supreme Court. These rules and regulations are published in the prospectus and also uploaded on the University website.
- Admission notifications are published in local, regional and national editions of the leading Hindi and English newspapers for wide publicity. If necessary, posters/pamphlets of the admission notifications are sent to its affiliated colleges and other Universities for wide circulation. Notifications of admission along with eligibility, number of seats of students in each course, fee structure, and name & contact number of course coordinator are also made available in prospects, notice boards of each Department and also uploaded on the University website.
- Admission process is completed by every department at their own level by following the rules & regulations framed by the Central Admission Committee of the University which are published in the prospectus of the University and displayed on the Notice Board of the concerned Department. Merit list of the admitted candidates along with waiting list is displayed on the Departmental notice board and also uploaded on the University website for ensuring transparency in admission process.
- A separate notification is given to news papers and also uploaded on the University website for making admissions in the M.Phil. / Ph.D. programmes through entrance test conducted by the University. NET / GATE qualified candidates are exempted from the entrance examinations for the admissions in M.Phil. / Ph.D. programmes.

##### **2.1.2. Explain in detail the process of admission put in place by the university. List the criteria for admission: (e.g. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national**

**agencies (v) other criteria followed by the university (please specify):**

The University follows the following criteria for admission:

- **Admission through Merit:**

The University publishes the minimum eligibility percentage in the qualifying examination for each course. In majority of courses, the admissions are given on the basis of merit of marks / percentage of the qualifying examinations. A common merit list is prepared for finalizing the admissions under unreserved category in which candidates from all the categories (both unreserved and reserved) are included for admission. After preparation of unreserved merit list, reserved category-wise merit lists are prepared separately for the admission to the candidates belonging to a particular reserved category such as SC, ST, OBC, SOBC, PH, *etc.* This process is adopted in following courses:

- M.Sc. Chemistry
- M.Sc. Industrial Chemistry
- Integrated B.Sc.-M.Sc. Physics
- M.Sc. Physics Energy
- M.Sc. Life Science
- M.Sc. Wildlife Science
- MBA (International Business)
- M.Com. Account & Finance
- Master of Social Works
- M.A. Development Studies
- M.A./M.Sc. Geography
- M.A. Heritage, Tourism, Museology & Archaeology
- Master of Law

- **Admission through Merit with Entrance Test:**

Admissions in the M.Tech. Solar Energy course are given through the merit with entrance test. Merit is prepared by taking 50% marks of qualifying examination and 50% marks obtained in the entrance test.

- **Admission through Merit, Entrance test and Interview:**

In accordance with UGC Regulation on Minimum Standards and Procedure for Award of M. Phil./Ph. D. Degree, Regulation, 2009, admissions in M.Phil./Ph.D. programmes for various subjects are given on the basis of merit of common entrance test conducted by the University followed by personal interview. UGC/CSIR-NET or GATE qualified candidates are exempted from common entrance test for the admission in M.Phil./Ph.D. programmes.

- **Admission through Common Entrance Test conducted by the State and National agencies:**

Admissions in MCA, MBA and M.P.Ed. programmes are given through entrance tests.

- Admissions in MCA programme are made through RMCAAT (State Agency).
- Admissions in MBA programme are made through CMAT (State Agency).
- Admissions in M.P.Ed. programme are made through Pre-Physical Education Entrance Test conducted by the University of Rajasthan, Jaipur (State Agency).

### **2.1.3. Provide details of admission process in the affiliated colleges and the university's role in monitoring the same:**

The rules and regulations laid down by the State Government are followed for the admissions in various UG and PG programmes in the affiliated colleges (Govt. and Private).

#### **For Academic Courses:**

- Admissions in UG and PG Programmes in Govt. colleges are given on the merit basis ensuring reservation policy and admission rules notified by the State government through inviting online applications by each college on the State Govt. web portal.
- Admissions in UG and PG Programmes on number of seats approved by the University in each of the private colleges are given independently by following State government reservation policy and admission rules.

#### **For Professional Courses:**

- The admission process in the affiliated colleges for professional courses *i.e.* BBA, BCA, B.Sc. (Biotechnology, Microbiology, Information Technology), M.Sc (Biotechnology, Microbiology, Information Technology) is monitored by the University to ensure that all the rules and regulations are followed by them. The guidelines pertaining to the admission process, intake of the students and fee structure of these professional courses are decided by the University.
- Admissions in B.Ed. and M.Ed. programmes are given on merit basis through an entrance test conducted by a State level agency on the number of seats approved by the University.
- Admissions in LL.B. programme are given by Govt. and private colleges on the merit basis by following the State government reservation policy and admission rules.

All the students admitted following the above procedure are required to get duly enrolled in the University before taking any examination.

**2.1.4. Does the university have a mechanism to review its admission process and student profile annually? If yes, what is the outcome for such an analysis and how has it contributed to the improvement of the process?**

Yes, the University reviews its admission process and student profile every year considering the amendments in the government rules and policies. This task is performed by the Central Admission Committee of the University. This kind of review mechanism has made the admission process in consonance with UGC as well as government policies and rules for making the whole admission process more reliable, swift and transparent.

**2.1.5. What are the strategies adopted to increase / improve access for students belonging to the SC / ST / OBC, etc. categories:**

• **SC / ST / OBC / PH:**

The University is providing admissions to the students of these categories as per the reservation policy of the Govt. of Rajasthan / Ministry of Human Resource Development. The rules of admissions to SC / ST / OBC / SOBC / PH / Kashmiri migrant candidates, *etc.* which are applicable at present are given below:

- (a) 50% of the total number of seats in each course in the Faculties of Arts, Commerce, Education, Law, Science, Social Sciences, *etc.* (including honours, pre-professional, certificate / diploma course, if any, in all these Faculties) shall be reserved in each School / Department / Centre for NATURAL BORN sons / daughters of parents belonging to Scheduled Castes (16%), Scheduled Tribes (12%), Other Backward Classes except creamy layer (21%) and Special Other Backward Classes (1%).
- (b) 3% of the total number of seats in each category and each course in the Faculties specified above shall be reserved for physically handicapped candidates defined as deaf / dumb / blind / loss of any limb with permanent disability.
- (c) 1% of the total number of seats in each category and each course in the Faculties specified above shall be reserved for the wards of Kashmiri migrants.

• **Women:**

No separate reservation is provided to women candidates. However, the University is providing relaxation for the women candidates in gap years between the year of qualifying examination and year of admission in the next class for the admission. The women candidates are also eligible to get relaxation in upper age for the admission.

• **Economically weaker sections:**

State / Centre government directions are followed as it is for the admissions to the students of economically weaker sections. The

University has made special provision to allow a particular student to deposit his/her fee in installments on case to case basis.

- **Outstanding achievers in sports and other extra-curricular activities:**

The University provides admissions to outstanding international / national achievers in sports and other extra-curricular activities in UG and PG programmes irrespective of his/her marks of the qualifying examinations. Weightage of games / sports / extra-curricular activities are added in the percentage of marks of qualifying examinations to make final merit of the students as per the State and Central Government rules. The relaxations given to the outstanding achievers for the admissions are published in the University prospectus and also uploaded on the University website.

The category wise number of students admitted in University Departments in the last four academic years:

Class	Category	Year-1 2012-13	Year-2 2013-14	Year-3 2014-15	Year-4 2015-16
UG	SC	--	05	04	06
	ST	--	03	06	05
	OBC	--	17	12	19
	PH	--	--	--	--
	MI	--	02	02	01
	GEN	--	13	16	10
	<b>Total (UG)</b>	<b>--</b>	<b>40</b>	<b>40</b>	<b>41</b>
PG	SC	43	41	48	44
	ST	34	44	52	43
	OBC	121	127	137	151
	PH	--	03 (1 SC, 1 ST, 1 GEN)	01 (in OBC)	01 (in ST)
	MI	08	08	14	17
	GEN	135	137	155	126
	<b>Total (PG)</b>	<b>341</b>	<b>357</b>	<b>407</b>	<b>381</b>
M. Phil.	SC	--	--	--	--
	ST	--	--	--	--
	OBC	--	--	--	--
	PH	--	--	--	--
	MI	--	--	--	--
	GEN	--	--	--	--
Ph.D.	SC	19	32	03	17
	ST	16	34	01	09
	OBC	28	37	02	26
	PH	--	--	--	--
	MI	05 (in OBC, GEN)	08 (in OBC, GEN)	--	04 (in OBC, GEN)
	GEN	38	122	06	41
	<b>Total (PhD)</b>	<b>101</b>	<b>225</b>	<b>12</b>	<b>93</b>

**2.1.6. Number of students admitted in University departments in the last four academic years:**

Gender wise number of students admitted in University departments in the last four academic years:

Class	Gender	Year-1 2012-13	Year-2 2013-14	Year-3 2014-15	Year-4 2015-16
UG	Male	--	24	29	27
	Female	--	16	11	14
	<b>Total</b>	<b>--</b>	<b>40</b>	<b>40</b>	<b>41</b>
PG	Male	239	241	267	248
	Female	102	116	140	133
	<b>Total</b>	<b>341</b>	<b>357</b>	<b>407</b>	<b>381</b>
M.Phil.	Male	--	--	--	--
	Female	--	--	--	--
Ph.D.	Male	42	104	09	46
	Female	59	121	03	47
	<b>Total</b>	<b>101</b>	<b>225</b>	<b>12</b>	<b>93</b>
Others	Male	--	--	--	--
	Female	--	--	--	--

**2.1.7. Has the university conducted any analysis of demand ratio for the various programmes of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease:**

The details of the applications received and admitted students of last four years for the UG and PG programmes running in the University campus and Ph.D. programmes are given below:

Program	2012-13			2013-14			2014-15			2015-16		
	Applied*	Admitted	Demand ratio									
UG	--	--	--	91	40	1:2.275	92	40	1:2.300	104	41	1:2.536
PG	518	264	1:1.962	564	262	1:2.152	714	333	1: 2.144	734	342	1:2.146
M. Phil.	--	--	--	--	--	--	--	--	--	--	--	--
Ph.D.	659	101	1:6.524	729	225	1:3.240	--	12	--	--	93	--

\*Admissions in MBA and MCA programmes are based on State level central admission procedures (RMAT and RMCAAT). Therefore, students of these courses (MBA and MCA) are not included in the table.

The University is developing its infrastructure and continuously strengthening the number and quality of teaching and non-teaching staff to strengthen the teaching and research facilities in the campus alongwith opening of new programmes as per the demand of the trained professionals in different areas. The University also analyzes the demand ratio of the various programmes running in the University departments. The year wise demand ratio of UG and PG programmes from 2012-13 to 2015-16 depicts that there is increasing trend in the demand of the UG and PG programmes running in the University

departments. It is clearly indicated from the demand ratio that number of the applicants are increasing year by year to study in these programmes with good infrastructure and learning environment.

**2.1.8. Were any programmes discontinued / staggered by the university in the last four years? If yes, please specify the reasons**

No programme was discontinued by the University in last four years. However, in certain years, a few programmes could not run for the want of minimum number of admissions.

**2.2 Catering to Student Diversity:**

**2.2.1. Does the university organize orientation / induction programme for fresher's? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.**

University Departments organize orientation / induction programmes for new comer students in which each faculty member of the Department interact with the freshers. During these types of programmes, students are provided the information about the Department, course concerned, examination schemes and assessment related matters. They are also informed about the culture of the University so that they may act as good academic citizens. Many times experts from outside are also invited for the counseling of the students to make their mind for removing fear of failure and motivating them to accept real life challenges and also to create a sense of individual social responsibility.

**2.2.2. Does the university have a mechanism through which the "differential requirements of the student population" are analyzed after admission and before commencement of classes? If so, how are the key issues identified and addressed?**

The University Placement and Counseling Cell which organizes 1-2 days programme in the campus for orientation and counseling the students about the courses, study in the campus and common aspects of the placement after completion of the their respective programmes. During this event, Office of the Dean, Students' Welfare of the University carefully looks into different problems of the students at the time of the admission and afterwards before the commencement of classes. The University Departments also resolve the problems of students at their own level through a well established mechanism. Due to these well thought out efforts, the students get familiar with rules and regulations of the University along with course curricula, scheme of examination, evaluation pattern, declaration of results and extra-curricular activities before starting their regular classes.

**2.2.3. Does the university offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise / faculty-wise?**

The University has English language laboratory to develop and strengthen communication skill in the students. A time-table has been framed for the students of all the programmes run in the University in which two hours per day time slot is allotted to each course. Teacher-in-charges for each slot have also been assigned to look after the matter during the lab. The University is also planning to start remedial classes in some subjects for improving the quality of education.

**2.2.4. Has the university conducted any study on the academic growth of students from disadvantaged section of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?**

The University is doing its sincere efforts for the academic growth of students from disadvantaged section of society to put them together with advanced students. The University is taking extra care of economically poor, physically handicapped and slow learner students by providing books, notes and related study materials to weak students. The University also holds extra-classes for slow learner and provides required facilities to physically handicapped students. The University efforts are reflected in the following programmes / activities:

- The NSS unit of the University organizes regularly the awareness programmes in nearby villages for promoting such students for higher education.
- Department of Social Sciences conducts various social activities from time to time for academic awareness and growth of such types of students.
- The University has awarded Ph.D. degrees in sociology with special emphasis on Saharia tribes, elementary education and social challenges, social mobilization, social impacts of industrial waste management , *etc.*

**2.2.5. How does the university identify and respond to the learning needs of advanced learners?**

Faculty members identify advanced learners during the class interactions, seminars, quizzes, group discussions, evaluations, *etc.* Such advanced learners are encouraged by the faculty members by providing reading reference books, journals and magazines on the concerned subject. They are also motivated to develop interdisciplinary skills and research orientation by organizing seminars, conferences, workshops, *etc.*

## **2.3 Teaching-Learning Process:**

### **2.3.1. How does the university plan and organize the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?**

The University prepares its own academic calendar which includes the schedule of admission, tentative schedule of course completion, internal and semester examination, curricular and extra-curricular activities. The Departments of the University prepare their own teaching plans in which entire syllabus is divided into 45-60 topics to be covered before the commencement of the semester examinations. The teaching plans of the topics are made available on the University website also.

#### **Academic Calendar:**

An academic calendar is published in the prospectus of the University and it is circulated to all the faculty members. The calendar is also uploaded on the University website for its wide circulation. It is also circulated to all the offices / sections / cells of the University for their information and needful action, wherever required. The academic calendar includes the commencement of the session, registration of old semester students, completion of syllabi, tentative schedule of the internal and external examinations, important holidays, students' union election and the tentative dates of students' union activities. As per the norms, each semester is required to have at least 90 working days, therefore, academic calendar is prepared in a way that on an average each semester extends more than 90 days. One week time is allotted for internal assessment / mid semester test and two week time for external assessment / semester examinations. The most important advantage of the preparing and publishing academic calendar is that the academic session of the University runs smoothly and timely without any obstruction.

#### **Time-table:**

Each Department of the University prepares the semester-wise time-table which is distributed to all the faculty members for their information and necessary action. The time-table is displayed on the students' Notice Board for their information so that they may attend their classes accordingly.

#### **Teaching Plan:**

The entire syllabus of all papers in each programme is equally divided into five units and the weightage of all the units are same. Further, from teaching point of view, the whole syllabus is divided into 45-60 broad topics to be covered into stipulated minimum 90 working days in a semester. Industrial, corporate and field visits and trainings are an integral part of teaching plan. The faculty members use various teaching aids during class lectures such as black boards, projectors,

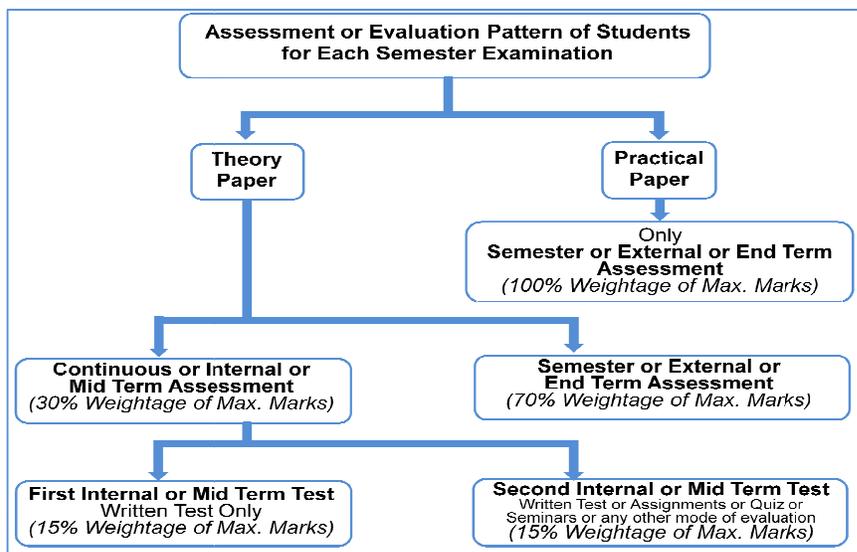
interactive smart boards, *etc.* for making the lecture more effective and easily understandable to the students. For improving the subject knowledge and developing the communication skills of the students, tutorials, workshops, seminars, symposia are organized regularly. In the laboratories, overviews of the subject along with necessary instructions are given to students for doing experiments. Efforts are being made to prepare practical manuals in few departments. Special attention is given to the weak students in the practical part also.

**Decide the Maximum Marks:**

The maximum marks of a theory and practical paper are decided on the basis of their contact hours per week. According to the norms, one hour / week lecture or two hour per week laboratory work / field work is equal to one credit point. One teaching hour per week or one credit point is equal to 25 marks. A theory paper of 4 contact hours per week is of 100 maximum marks and one practical paper of minimum 8 credits per week carries 100 maximum marks. Field / project work of one semester duration (wherever prescribed) is of 500 maximum marks.

**Evaluation Pattern:**

Evaluation of the student is done through written examinations, seminars, projects and dissertation works, group discussions, quizzes, case studies, *etc.* Whole evaluation process is divided into two parts in which first part is continuous assessment or internal assessment which carries 30% weightage of the maximum marks and second part is semester assessment or external assessment which carries 70% weightage of the maximum marks. Assessment pattern and distribution of maximum marks is summarized as given below:



**Evaluation Blue Print:**

A set format along proper pattern of distribution of marks is framed and finalized in the BoS / CoC and subsequently approved by the Academic Council. All the faculty members and external examiners prepare the question papers according to these formats and guidelines (blue print) based on the concerned syllabus. The evaluation blue print of internal and external examination is given below:

**Format for Continuous or Internal or Midterm Assessment**

The pattern of the question paper for internal assessment is decided by the Department. There are two mid-term internal assessments each carrying 15% weightage. There is a provision of improvement and defaulter assessment test on remitting the prescribed fee.

**Format for Semester or External Assessment**

Name of Examination.....  
Name of Paper.....

**Duration of Examination: 3 Hours**

**Max. Marks: 70**

*Note: The syllabus is divided into five independent units and question paper will be divided into three sections.*

- **Section-A** will carry 10 marks with 01 compulsory question comprising 10 short answer type questions (maximum 20 words answer) taking two questions from each unit. Each question shall be of one mark.
- **Section-B** will carry 25 marks with equally divided into five long answer type questions (answer about in 250 words). Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.
- **Section-C** will carry 35 marks with five long answer type questions comprising one compulsory question of 15 marks and four questions of 10 marks each. Students are instructed to attempt total three questions with one compulsory question (answer about in 500 words) and any two more questions (answer about in 400 words) out of remaining four questions. Paper setter shall be advised to design question paper covering from all five units.

**SECTION-A**

**Q. 1.**

**Unit-I**

- (i) ..... **1 Mark**
- (ii) ..... **1 Mark**

**Unit-II**

- (iii) ..... **1 Mark**
- (iv) ..... **1 Mark**

	<b><u>Unit-III</u></b>	
(v) .....		<b>1 Mark</b>
(vi) .....		<b>1 Mark</b>
	<b><u>Unit-IV</u></b>	
(vii) .....		<b>1 Mark</b>
(viii) .....		<b>1 Mark</b>
	<b><u>Unit-V</u></b>	
(ix) .....		<b>1 Mark</b>
(x) .....		<b>1 Mark</b>
<b>SECTION-B</b>		
	<b><u>Unit-I</u></b>	
Q. 2. ....		<b>5 Marks</b>
	or	
.....		<b>5 Marks</b>
	<b><u>Unit-II</u></b>	
Q. 3. ....		<b>5 Marks</b>
	or	
.....		<b>5 Marks</b>
	<b><u>Unit-III</u></b>	
Q. 4. ....		<b>5 Marks</b>
	or	
.....		<b>5 Marks</b>
	<b><u>Unit-IV</u></b>	
Q. 5. ....		<b>5 Marks</b>
	or	
.....		<b>5 Marks</b>
	<b><u>Unit-V</u></b>	
Q. 6. ....		<b>5 Marks</b>
	or	
.....		<b>5 Marks</b>
<b>SECTION-C</b>		
Q. 7. ....		<b>15 Marks</b>
Q. 8. ....		<b>10 Marks</b>
Q. 9. ....		<b>10 Marks</b>
Q. 10. ....		<b>10 Marks</b>
Q. 11. ....		<b>10 Marks</b>

**2.3.2. Does the university provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process is ensured?**

The University provides the information regarding rules & regulations of eligibility criteria, course curriculum, evaluation pattern, scheme of examinations, tentative date of examination and declaration of results,

*etc.* All this information is also uploaded on the University website. All the faculty members also discuss about the course contents as well as evaluation scheme in class room at the time of beginning of the semester. Teaching plan or handouts of each paper are provided to each student by the faculty members at the time of commencement of their class and uploaded also on the University website.

**2.3.3. Does the university face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.**

The University follows its academic calendar for completing the course contents in stipulated time frame. Syllabus of each paper is divided into 45-60 broad topics / lectures depending on the nature of contents to complete within 90-95 teaching days in a semester. The faculty members prepare lecture-wise details of the topics to be covered in the class. Owing to any difficulty if some topics of the course are not covered, it is completed by allocating extra classes. The University has adopted centralized evaluation system to declare the results in time to increase the actual teaching days for the next academic session / semester.

**2.3.4. How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that learning, besides facilitating life-long learning and knowledge management.**

To make the learning student-centric for the overall development of the students, the students are encouraged to actively participate in various activities along with regular class room study. Students are motivated to attend national and international seminars, workshops, extension lectures and training programmes to get the exposure. Some methods / approaches are adopted by the University teaching departments for holistic development and improvement of the students some of are given as below:

- Interactive teaching-learning methodology
- Student seminars / workshops and group discussions
- Tutorials / Survey works
- Surprising questioning
- Quiz contests
- Regular class tests
- Research paper readings
- Handling of different projects
- Motivating students to explain basic concepts in class
- Academic visits of places / institutions / organizations
- Dissertation / assignment preparations

- Essay writing and poster making on different topics
- Organizing various conferences, seminars, symposia, workshops, etc.
- Cultural and NSS activities, youth festivals, games & sports, *etc.*

**2.3.5. What is the university's policy on inviting experts / people of eminence to deliver lectures and / or organize seminars for students?**

Extension lectures by eminent specialists are regularly organized by the University in its Departments. Special efforts are made to identify the experts and request them to deliver their lectures for the benefits of the students and teaching staff.

The experts visiting the University for academic works such as Ph.D. viva-voce, attending meetings of BoS, CoC, SRC or conducting University examinations are requested to deliver expert / extension lectures on the recent developments in the subject area. After the lectures of experts, some time is fixed for the open discussions in which students interact with subject experts / people of eminence to remove their ambiguities / doubts and raise questions to satisfy their quest for advanced knowledge in the related subjects / fields.

The University has the budgetary provision for organizing such extension lectures and seminars.

**2.3.6. Does the university formally encourage blended learning by using e-learning resources?**

The University has established some classrooms as smart classrooms with interactive boards, audio-video accessories, projectors along with internet connectivity. All the departments have their own computer labs. Whole campus of the University is Wi-Fi enabled and LAN connected with 125 nodes which is proposed to be increased up to 400 nodes in near future. Faculty members and students are optimally using the e-learning resources. The University has e-Library with INFLIBNET, DelNet facility as well as 6036 e-journals and 648 e-books for free access to faculty members and students. University central library has Online Public Access catalogue (OPAC) for ensuring the easy availability of books, thereby encouraging blended learning.

**2.3.7. What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?**

The faculty members impart effective teaching-learning process by using power points, multimedia, simulation, software, *etc.* The faculty members are using NPTEL e-resources as per the requirement of the subject. The NPTEL e-resources link is available on University website.

**2.3.8. Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the university's educational processes?**

The University has a Central Library Committee in which faculty members from different streams are designated to monitor the trends and issues regarding developments in the Open Source Community. This committee encourages the faculty members to use e-resources available in the University Central library. The Central Library Committee also frames the policies to improve access to open resources. Purchasing of books, subscription of journals and other works related to the improvement in open source community are also discussed and recommended by the Committee.

The faculty members through their personal academic collaborations and contacts are in regular touch with national and international groups of scientists working in specific areas of specializations. As a result, faculty members have been able to quality outputs by the way of publishing high rated national and international journals, preparing and submitting research projects to the various funding agencies.

**2.3.9. What steps has the university taken to orient traditional classrooms into 24x7 learning places?**

The University is undertaking the following steps for orienting traditional classrooms into 24x7 learning places:

- The faculty members are always accessible to the students for counseling, attending and solving their academic problems.
- Students are encouraged to optimally use the internet and wi-fi facilities of the University.
- During extension lectures and seminars, the students are provided special time slots for inquiry and guidance on academic matters.
- Students are given specific assignments to surf on internet on specific topics.
- Students are given exposures to learn through various ongoing research programmes and lab experiments running in the departments.
- Faculty members are readily sharing their personal academic resources for upgrading and keeping students abreast to the recent advances.

**2.3.10. Is there a provision for the services of counselors / mentors / advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefited.**

The University has provisions to counsel the students at various levels.

- The University has Student's Problem Redressal Committee to solve the personal problems of students and counsel them.
- The University organizes expert lectures and counseling sessions from time to time to guide the students for personality development and issues related to psycho-social problems.
- University has Placement and Counseling Cell which interacts with students to make them aware for better learning environment and proper placement possibilities according to their eligibilities and capabilities. The Cell also organizes events for providing proper counseling to the students.
- The University has Office of the Proctor to ensure discipline in the campus.

**2.3.11. Were any innovative teaching approaches / methods / practices adopted / put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?**

**Innovative teaching approaches adopted:**

The innovative teaching approaches / methods / practices have been adopted by the faculty members for effective class room teaching are as under

- Use of smart interactive boards
- Power point presentations through LCD projectors / OHPs, ICT tools, case studies, field studies, *etc.*
- Organizing quizzes, seminars, group discussions, educational tours, language classes.

**Impact of the Practices:**

- These efforts have reflected in better results and the expression of students' creativity in the classroom and outside.
- Improved performance of the students in terminal examinations.
- Enhancement of inquisitiveness of the students in classrooms.
- Increase in the success ratio in state / national level competitive examinations.

- Increase in the research flaire and availing opportunities at national level research institutes.

**Recognition for Innovation in Teaching:**

- The identified faculty members are recommended to act as experts in various national / state level bodies / committees / working groups.
- Such young faculty members are provided special grant for research work.
- The University provides assistance to the faculty members for attending the national and international conferences, seminars, workshops, *etc.* to enhance their knowledge and know recent developments.

**2.3.12. How does the university create a culture of instilling and nurturing creativity and scientific temper among the learners?**

- During classroom teaching itself the students are encouraged to reason out in the logical sequence various academic concepts to be applied in the applications of those concepts.
- In laboratory classes, the students are encouraged to be a keen observent and associate the observation with theoretical foundations and concepts.
- The application / use of basic concepts of the subject as seen in latest research publications are explained to the students.
- Students are also encouraged to prepare and showcase their models in many state and national level events which help them in developing scientific temper.
- Assignments given by the teachers to students compel them for out of box thinking.
- The University is also nurturing the tomorrow's innovators and entrepreneurs through EDPs to motivate them for converting their ideas into reality and bridge the gap between industry and academia.
- Several new and sophisticated equipments have been added to the research and teaching labs, keeping pace with the recent advancements.
- Students are also motivated by the faculty members to prepare and publish research papers.

**2.3.13. Does the university consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?**

In some of the departments of the University student projects are mandatory in the learning programme and other departments are

motivating the students to complete a industrial / institutional project of one semester duration or a minor project / industrial training of one month duration in place of one or two papers to enhance the practical knowledge of the subject. Many students of M.A., M.Com., M.C.A., M.Sc. courses take projects / dissertation in lieu of one or two papers of their curricula as per the scheme of examination.

**2.3.14. Does the university have a well-qualified pool of human resource to meet the requirements of curriculum? If there is a shortfall, how is it supplemented?**

The University has well-qualified human resources. Since the University is young and is in growing phase, the need of such human resource in newly established departments is catered through a pool of well qualified and experienced subject experts employed in its affiliated colleges by engaging them as guest faculties.

**2.3.15. How are the faculty enabled to prepare computer-aided teaching / learning materials? What are the facilities available in the university for such efforts?**

Computer systems have been installed in every department of the University for different academic works. High-end laptops have also been issued to faculty members to assist them in teaching and research work. The high-speed internet connection as well as Wi-Fi enabled environment is available for the faculty members for making use of online resources for teaching and research purposes. The faculties are allowed from time to time to attend orientation and ICT based training programmes for enabling them to learn the innovative skills of computer-aided teaching and learning. The facilities of e-classroom, smart classrooms having all modern multi-media teaching aids like audio-visual aids, wall mounted LCD projectors and computer systems are available in the University to the faculty for preparing computer-aided teaching and learning materials.



**2.3.16. Does the university have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?**

The University is receiving student / alumni feedback. The feedback forms of faculty member are filled by the students and submitted in the respective department to assess the overall performance of the teachers. Faculty members are informed about the feedback for improving their teaching and communication skills. The faculty members of the department also interact and update themselves on various academic issues for improving the quality of teaching and learning process.

**2.4. Teacher Quality:**

**2.4.1. How does the university plan and manage its human resources to meet the changing requirements of the curriculum?**

At first level, need based identification is made by

- (a) Department level interaction
- (b) Interaction with external agencies, stakeholders, and subject experts for change in curriculum.

The change in curriculum is made by following the set procedures and faculty members are encourage to update their knowledge and academic resources by procuring necessary literature and equipments, developing infrastructure and obtaining suitable trainings through summer / winter schools, orientation / refresher programmes and special training to equip themselves for effective classroom teaching.

The University permits the teachers to participate in innovative skills development events as well as subject related training programmes for updating their knowledge to meet the changing requirements of the curriculum.



**2.4.2. Furnish Details of the faculty:**

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	M	F	M	F	M	F	
<i>Permanent teachers</i>							
D. Sc. / D. Lit.	--	--	--	--	--	--	--
Ph. D.	02	02	05	03	04	04	<b>20</b>
M. Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	04	--	<b>04</b>
<i>Temporary teachers</i>							
Ph. D.	--	--	--	--	--	--	--
M. Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
<i>Part-time teachers, Retired Teachers and Guest Faculty from other colleges</i>							
Highest Qualification	Retired Teachers		Guest Faculty				
	M	F	M	F			
Ph. D.	--	--	24	29			
M. Phil.	--	--	--	--			
PG	--	--	19	17			

**2.4.3. Does the university encourage diversity in its faculty recruitments? Provide the following details (department / school-wise)**

Name of Department / School	% of faculty from the same university	% of faculty from other universities within the State	% of faculty From universities outside the State	% of faculty from other countries
Chemistry	16.66	83.33	--	--
Physics	--	100.00	--	--
Computer Science	--	50.00	50.00	--
Mathematics	--	--	--	--
Life Science	--	100.00	--	--
Wildlife Science	--	100.00	--	--
Comm. & Management	20.00	80.00	--	--
Social Sciences	--	100.00	--	--
Heritage	--	100.00	--	--
Physical Education	--	100.00	--	--
Law	--	100.00	--	--

**2.4.4. How does the university ensure that qualified faculty are appointed for new programmes / emerging areas of study (Bio-**

**technology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?**

Presently, the University is not offering full-flaged programmes in these areas. However, all efforts are made as mentioned in the 2.4.3 to update and train faculty members working in existing departments and required to cover specific topics in above areas incorporated in the curriculum of their respective subjects.

**2.4.5. How many Emeritus / Adjacent Faculty / Visiting Professors are on the rolls of the university?**

Presently, no Emeritus / Adjacent Faculty / Visiting Professors are on the rolls of the university.

**2.4.6. What policies / systems are in place to academically recharge and rejuvenate teachers (e.g. providing research grants, study leave, nomination to national / international conferences / seminars, in-service training, organizing national / international conferences, etc.)?**

The University is committed to improve the learning graph of the faculty members and has a well established mechanism to depute faculty members for summer / winter schools, orientation / refresher programmes, seminars / conferences and study leaves. Young faculty members are also provided special grant for research activities.

**2.4.7. How many faculty received awards / recognitions for excellence in teaching / research at the state, national and international level during the last four years?**

<b>Department</b>	<b>State Level</b>	<b>National Level</b>	<b>International Level</b>
Department of Pure & Applied Chemistry	--	2	1
Department of Pure & Applied Physics	--	2	--
Department of Life Science	--	2	--
Department of Wildlife Science	4	--	--
School of Heritage, Tourism, Museology & Archaeology	--	1	--
<b>Total Awards</b>	<b>4</b>	<b>7</b>	<b>1</b>

**2.4.8. How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?**

<b>Academic Staff Development Programmes</b>	<b>Number of faculty</b>
Refresher courses	13
HRD programmes	--
Orientation programmes	13
Staff training conducted by the university	47
Staff training conducted by other institutions	--
Summer/winter schools, workshops, seminars, conferences, etc.	24

#### **2.4.9. What percentage of the faculty have**

<b>Particulars</b>	<b>Percentage</b>
Been invited as resource person in workshops / seminars / conferences organized by external professional agencies?	100.00
Participated in external workshops / seminars / conferences recognized by professional agencies?	100.00
Teaching experience in other universities / national institutions and other institutions?	08.32
Industrial engagement?	12.50
International experience in teaching?	04.16

#### **2.4.10. How often does the university organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?**

- Their is a well structured mechanism for developing curriculum and to review in the examination process in the University on regular basis through the annual meetings of statutory bodies namely Boards of Studies, Committee of Courses and Academic Council.
- The university also conducts orientation/refresher programmes with the help of the UGC-HRDC, Jai Narain Vyas University, Jodhpur.
- The University is going to conduct an awareness workshop on the RTI with help of UGC-HRDC, Maharshi Dayand University, Ajmer.
- The University has conducted a workshop on the CBCS and is implementing it.
- The University has adopted fictitious coding on examination answer books for ensuring transparency in the examination and evaluation.

- The University is gradually moving towards digitalized examination, evaluation and result declared system.
- The strength of University faculty is uploaded on the website for reference for other institutes.
- The University is going to conduct a workshop on Question Paper Setting, Model Answer Preparation and Answer books Evaluation for the benefit of question paper setters and answer book evaluators.

#### **2.4.11. Does the university have a mechanism to encourage?**

- **Mobility of faculty between universities for teaching?**
- **Faculty exchange programmes with national and international bodies?**

#### **If yes, how have these schemes helped in enriching the quality of the faculty?**

The faculty members are encouraged to seek training and knowledge sharing. Also, the University is regularly inviting experts from affiliated colleges and other universities for teaching purpose. The University has signed following MoUs for faculty exchange programmes to encourage the teaching and research at national and international level:

- MoU with Linkoping University, Sweden on climate change.
- MoU with Lyceum University, Philippine: The University teachers and faculty members are benefited by the MoU through the exchange activities.
- MoU with University of Durham and Cranfield University (UK Universities) and MSA Renewtech (Industry Partner), Vadodara, Gujarat, India under Newton Bhabha Fund for Higher Education Partnership between Royal Academy of Engineering, UK and FICCI, India

### **2.5 Evaluation Process and Reforms:**

#### **2.5.1. How does the university ensure that all the stakeholders are aware of the evaluation processes that are in place?**

All the stakeholders are informed timely about the evaluation process of the University. The evaluation process of the University is available in the course curriculum of each programme and uploaded on the University website to make it accessible to all. The students of the University can submit grievances related to the evaluation process as per the University norms within the stipulated time period. All grievances and queries submitted by the students are duly attended and resolved to the extent possible within reasonable time duration. Students can see their answer books on request by depositing the fee prescribed by the University.

**2.5.2. What are the important examination reforms initiated by the university and to what extent have they been implemented in the university departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system**

- **Implementation of Semester System:**

The University has adopted semester system of examination pattern in place of the annual scheme of examination in all teaching departments. In the semester system, evaluation process is divided into two parts *i.e.* continuous assessment / internal assessment (30% weightage of the maximum marks) and semester assessment / external assessment (70% weightage of the maximum marks). First part *i.e.* internal assessments are conducted by the each department separately, while second part semester examinations are conducted by the examination section of the University. For the semester examinations, the syllabus of each paper is divided into three sections for setting the question papers in following manner:

- **Section-A** carries 10 marks with 01 compulsory question comprising 10 short answer type questions (maximum 20 words answer) taking two questions from each unit. Each question is of one mark.
- **Section-B** carries 25 marks which equally divided into five long answer type questions (answer about in 250 words). Paper setter is advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.
- **Section-C** carries 35 marks with five long answer type questions comprising one compulsory question of 15 marks and four questions of 10 marks each. Students are instructed to attempt total three questions with one compulsory question (answer about in 500 words) and any two more questions (answer about in 400 words) out of remaining four questions. Paper setter is advised to design question paper covering from all five units.

- **Implementation of Choice Based Credit System (CBCS):**

To implement the CBCS, the University has equalized all the courses of all the disciplines in respect of number of papers, maximum marks, minimum passing marks, examination schemes, credit points, *etc.* The University is moving towards for the implementation of the CBCS in phased manner.

- **Assessment of Answer Books:**

University has adopted coding-decoding policy for evaluation of answer books and declaration of results. At present, results are declared in percentage and the University is planning to replace the percentage system by the grading system as under:

Range of Marks Percentage	Performance	Grade Points	Grade Letters
≥ 80	Outstanding	10	O
70-79 (70 to below 80)	Excellent	9	A <sup>+</sup>
60-69 (60 to below 70)	Very Good	8	A
55-59 (55 to below 60)	Good	7	B <sup>+</sup>
50-54 (50 to below 55)	Above Average	6	B
45-49 (45 to below 50)	Average	5	C
40-44 (40 to below 45)	Pass	4	P
Below 40	Fail	0	F
-----	Absent	0	F

- **Transparent Evaluation System:**

The University is following transparent evaluation system since its inception. If any student wants to see his / her assessed answer book, he / she can see the assessed answer book by depositing required fee within the stipulated time period.

**2.5.3. What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the University for the Publication of examination results (e.g. website, SMS, email, etc.).**

The University has Examination Committee which monitors the declaration of the results. The results are declared within two months time period after the conclusion of examinations. The results are uploaded on the University website and TRs are sent to the respective departments and affiliated colleges to show the results offline also. Marks sheets are also sent to respective department and affiliated colleges to provide the mark sheets to the students. Around 95% results of 2014-15 session have been declared before the beginning of the academic session 2015-16. Generally, delay does not occur in the declaration of results. If it occurs, following measures are taken by the University:

- Students are provisionally admitted in the next higher class.
- On request, the advanced result may be declared.
- If result of re-evaluation is delayed then the University refunds the fee of supplementary examinations.

**2.5.4. How does the university ensure transparency in the evaluation process? What are the rigorous features introduced by the university to ensure confidentiality?**

The University ensures transparency and confidentiality in the evaluation process completely.

- In the semester scheme of examinations, internal assessments are taken at the departmental level and marks obtained are shown to them before submission to the examination section.
- In the end-semester, three sets of question papers are framed by the different examiners and kept in sealed strong room before dispatching to the examination centre.
- After conclusion of each examination, answer books from the examination centers are collected by the examination section and they are randomly mixed to maintain the secrecy.
- Thereafter, the answer books are coded so that the roll number of the candidate is not revealed. After coding, the answer books are sent to the different examiners for evaluation.
- After getting back the assessed answer books, they are decoded by examination section.
- The marks obtained by the students are sent to the secrecy computer section for preparation of the results.
- The result prepared by the computer centre is verified by the examination section finally. The result is declared if found correct in all respect.
- All the assessed answer books are kept for record up to three years, thereafter they are destroyed.

**2.5.5. Does the university have an integrated examination platform for the following process?**

- **Pre-examination processes-Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.**
- **Examination process-Examination material management, logistics, etc.**
- **Post examination process-Attendance capture, OMR based exam result, auto processing, generic result processing, certification, etc.**

Yes, the University has an integrated platform for pre-examination, examination and post-examination processes as per details given below:

**Pre-examination processes:**

- Declaration of examination notification for online filling of examination forms
- Preparation of examination time-table
- Preparation of the panel of examiners for each course from the concerned committee.
- Approval of the name of the paper setters by the Vice-Chancellor

- Sending of materials for paper setting to the examiners for preparing question papers.
- Preparation of three sets of question papers from different subject experts to maintain the confidentiality.
- Scrutiny of the filled examination forms and allotment of the roll numbers to students followed by the generation of admit cards through university website.
- Blank answer books, examination related materials including various performa, attendance sheets, packaging items, *etc.* are sent to different examination centers as per the prepared students database.
- One set of printed and sealed question papers for each examination is sent to different examination centers by the examination section of the University.

**Examination processes:**

- The concerned center invites the eligible invigilators as per requirement on payment basis as per University guidelines.
- On the examination day, invigilation work is done by the invigilators under the supervision and control of the centre superintendent appointed by the University.
- The University flying squads visits the examination centres to ensure sanctity of the examination.
- The answer books, invigilator statement and attendance sheet are submitted by the invigilators to the center superintendent after end of the examinations.
- The answer books, invigilator statement and attendance sheet are collected by the University from the center superintendent of each examination centre for the post-examination process.

**Post-examination processes:**

- The post-examination processes are conducted and controlled by the examination section.
- All the packed materials including written answer books are received, opened, checked and mixed for coding.
- Answer books dispatched to different examiners for external evaluation.
- The examiners are also invited in the University campus to evaluate the answer books under centralized evaluation system
- Records of attendance and other related materials are kept by the examination section as per the University rules.
- Assessed answer books are received from the examiners, decoded and the results are prepared.

- The University conducts the meetings for students' grievances and unfair means cases for their rectifications
- After verification of the results prepared, the University declares the results and the same is uploaded on the University website.
- The University invites the online applications for the re-evaluation and assesses the answer books for declaration of the results.

All the above processes are followed for the supplementary examinations also.

**2.5.6. Has the university introduced any reforms in its Ph.D. evaluation process?**

The University has introduced following steps/reforms in the evaluation and award of the Ph.D. degree as per the UGC Regulation on Minimum Standards and Procedure for Award of M. Phil. / Ph. D. Degree, Regulation, 2009:

- Pre-thesis submission viva-voce
- Requirement of paper publications
- Submission of thesis
- Plagiarism checking
- Panel of examiners-less than 50% from the Rajasthan and more than 50% out of Rajasthan.
- Open viva-voce
- Award of the Ph.D. degree

**2.5.7. Has the university created any provision for including the name of the college in the degree certificate?**

Yes, the University is including the name of the college in the degree certificates.

**2.5.8. What is the mechanism for redressal of grievances with reference to examinations?**

- The University has "Examination Grievance Redressal Committee" to resolve the issues related to the examinations including contents of the course asked in the question paper, printing errors, language problem, ambiguity, unfair means, *etc.*
- Students can submit their grievances through centre superintendent within 07 days from the date of the examination.
- The Convener of the committee invites the concerned subject experts for resolving the problems of students, if any grievance is received.

- The student can request for recounting of the marks, revaluation of the answer books and photocopy of the answer script by paying a nominal fee.
- In case of unfair means, the student is called to give his / her explanation before the committee. Committee may also call the concerned invigilator and center superintendent of that examination center to verify the facts before reaching to any decision.
- The recommendations of committee are submitted to Vice-Chancellor for approval and necessary action.
- Thereafter, the student is informed about the decision.

**2.5.9. What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division / section:**

The office of the Controller of Examinations (CoE) is a full-fledged entity. To streamline the functioning of the office of the Controller of Examinations, the University has deputed a Professor as Chairman, Examination Committee. The Examination Committee is empowered for framing the policies pertaining to the secrecy and sanctity of the examination, fair and smooth conduct of examination, timely declaration of the results, procurement of the requisite materials and other related matters of examinations including timely payment to the examiners. The office of the CoE is responsible for proper and timely implementation of the policy framed by the Examination Committee. The important step taken by the Examination Committee is introducing online filling of the examination forms which has reduced the burden not only of examination section of the University but also of the affiliated colleges of the University. This has also reduced the inconveniences of the students. Implementation of automation of examination system has improved the functioning of the examination section.

**2.6 Student performance and Learning Outcomes:**

**2.6.1. Has the university articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?**

The University is committed to articulate its graduate's attributes through the implantation of its vision and mission in letter and spirit.

- The academic programmes have been designed in such a way that the conceptual, practical, technical, critical thinking & analytical power and soft skills could be enhanced in the graduates for deep insight and knowledge which may increase the employability of the students and for making them responsible citizens of the motherland.

- Various curricula and extra-curricular activities such as seminars, paper reading, debates, quizzes and essay competitions, indoor and outdoor games are organized to provide them good exposure and for creating fighting spirit in them.
- The ethical values and moral standards are created in the students by celebrating the Jayanty's of ethical leaders such as Mahatma Gandhi, Swami Vivekanand. International Yoga Day is also celebrated to enhance the inner and physical strength of the students.
- The University monitors the ongoing programmes and revises them as per the need of hour.
- The efforts made by the University help the students to inculcate attributes in them.



**2.6.2. Does the university have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?**

The University has clearly stated learning outcomes of each academic programme in the prospectus, admission booklet, syllabus and the website and communicated through University profile, annual reports and news letters.

**2.6.3. How are the university's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?**

In view of the modern pedagogy of each subject, teaching learning and assessment strategies are evolved by using discussions, quizzes, tutorials, demonstrations, assignments / projects, field works, presentations, reports discussions, etc. in such a way that the whole process of the teaching learning remain student friendly and assessment process remains transparent.

#### **2.6.4. How does the university collect and analyze data on student learning outcomes and use it to overcome the barriers to learning?**

The University collects and analyzes the student learning outcomes by

- Internal assessment, assignments, seminars and term-end examinations.
- Students' feedback mechanism to overcome teaching-learning difficulties.
- Regular meetings of BoS / CoC / Academic Council, *etc.*
- Achievement of the students
- Employability of the courses

Accordingly, special classes or tutorials are arranged for the slow learners. Barriers to learning, whether at conceptual level or practical level, are removed by giving special attention to problem areas of the learners.

#### **2.6.5. What are the new technologies deployed by the university in enhancing student learning and evaluation and how does it seek to meet fresh / future challenges?**

The University is using different methods and new technologies for enhancing the student's learning as follows:

- Solar power plant
- Language lab
- Wi-Fi, LAN facilities
- Smart classrooms, e-library facilities
- Gas line fitted labs
- Ventilated chemical stores
- Creation of the well-equipped laboratories in the departments
- Academic visits of the students in NGOs, Industries, Organisations, *etc.*

The University is fully geared up to meet fresh / future challenges in enhancing student learning and evaluation system.



## **CRITERION-III**

### **RESEARCH, CONSULTANCY AND EXTENSION**

#### **3.1 Promotion of Research:**

##### **3.1.1 Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact:**

The University has Research Board and Directorate of Research for looking after the entire process right from admission to the award of M.Phil. / Ph.D. degrees in various disciplines. The composition of the University Research Board is as given below:

Vice-Chancellor	Chairman
Deans of all the faculties	Member
Two Professor from the University nominated by the Vice Chancellor	Member
Two Professor / experts from outside the University nominated by the Vice Chancellor	Member
Director, Research	Member Secretary

The University has also constituted Subject Research Committee (SRC) for each subject to adjudge the suitability of the research proposals. The Research Board approves the recommendations of the SRCs and resolves the issues / problems related to the research to improve the quality of research as per the provisions of the University Ordinances and University Grant Commission (UGC) Regulation on Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree, Regulation, 2009.

##### **3.1.2 What is the policy of the university to promote research in its affiliated / constituent colleges?**

The University promotes the research in its affiliated college as follows:

- Admission in Ph.D. as per the research ordinance provisions
- Allocation of the research supervisors
- Ph.D. coursework for the students to enhance research skills
- Monitoring the progress of the research
- Evaluation of the Ph.D. thesis
- Creating the Research Centres in the colleges
- University research and library facilities are accessible to the college students

- The office of the Dean, PG Studies resolves the problems related to the fellowship / scholarship related issues of the students of the affiliated Colleges.
- The University organizes the workshops / seminars from time to time to inculcate and sharpen the research aptitude and research techniques on contemporary issues related to Solar Energy, Computer Applications, Intellectual Property Rights, Entrepreneurship Development and Business Skills, *etc.*

### **3.1.3 What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes / projects?**

- **Advancing funds for sanctioned projects:**

A separate project account is opened and operated jointly by the PI and a representative from account section. The grant received from the funding agency is transferred by the University completely to the project account.

- **Providing seed money:**

The University has sanctioned minor research projects to young faculty members and necessary grant is provided to them.

- **Simplification of procedures related to sanctions / purchases to be made by the investigators:**

There is a central purchase committee for project purchase and the PI remains the essential member of the purchase committee, provides technical details for purchase and remains involved at all stages of the purchase.

- **Autonomy to the principal investigator/coordinator for Utilizing overhead charges:**

There is a well defined University system for utilizing the overhead charges by the PI.

- **Timely release of grants:**

The project grants are released / transferred to the project account without any delay and hurdle.

- **Timely auditing:**

The PI is interested to get the accounts timely audited by the University Chartered Accountant as per rules.

- **Submission of utilization certificate to the funding authorities:**

It is the responsibility of PI to timely submit utilization certificate (UC) to the funding agencies.

### 3.1.4 How is interdisciplinary research promoted?

- **Between / among different departments / schools of the university and collaboration with national / international institutes / industries:**

#### **For research leading to the Ph.D. degrees:**

Under UGC guidelines, the University permits the scholars to undertake any topic of research of interdisciplinary nature. The University also permits the Co-supervisor along with the Supervisor for supervising the interdisciplinary research. In addition, the University has interdisciplinary research facilities in its teaching departments also.

#### **For Independent Research Projects:**

Inter-disciplinary research is being pursued as per the objectives of the project by faculty members in collaboration with national and international institutes through different fundings.

- **Collaboration with national / international institutes / Industries:**

The University has collaborative research projects with reputed national / international institutes / research laboratories / industries for developing the interdisciplinary research. In support of it, some instances of collaborative research are as follows:

- (a) Department of Pure & Applied Chemistry has following collaborations for the research in different fields of chemical sciences. Some important names are giving here as examples:
  - Linkoping University, Sweden
  - MCL, Department of Chem, National Taiwan University, Taipei, Taiwan
  - National Cancer Institute (NCI), USA
  - Pinnacle Biomedical Research Institute (PBRI), Bhopal
  - National AIDS Research Institute (NARI), Pune
  - Indian Institute of Technology Kanpur
  - Analytical Division, BARC, Mumbai
  - Banasthali Vidyapith, Banasthali
  - Suarashtra University, Rajkot
  - MLS University, Udaipur
- (b) Department of Pure & Applied Physics has collaborations with University of Durham and Cranfield University (UK Universities) and MSA Renewtech (Industry Partner), Vadodara, Gujarat, India under Newton Bhabha Fund for Higher Education Partnership between Royal Academy of Engineering, UK and FICCI, India.
- (c) Department of Commerce & Management has MoU with Lyceum University, Philippine

(d) The University has MoU with DCM Shri Ram Ltd., Kota and UGC-HRDC Jodhpur.

**3.1.5 Give details of workshops / training programmes / sensitization programmes conducted by the university to promote a teaching and research culture on campus:**

The department wise details of the events are as follows:

**(i) Organized by the Department of Pure & Applied Chemistry:**

- Indo-Swedish Symposium on Strategic Knowledge on climate Change during October 09, 2012.
- 5<sup>th</sup> National Academic Workshop-2013 on "Organic Reaction Mechanisms and Analytical Techniques used in Chemical Sciences" during October 21-25, 2013.
- 6<sup>th</sup> National Academic Workshop on "Atmospheric Chemistry" during December 19-22, 2014.



**(ii) Organized by the Department of Pure & Applied Physics:**

- National Workshop on Quantum Mechanics 2013, 2014, 2015.
- Energy meet 2012, 2013, 2014 and 2015.
- Refresher Course in Experimental Physics in collaboration with Science Academies of India during January 09-25, 2014.



**(iii) Organized by the Department of Computer Science & Informatics:**

- Two days workshop on “Software testing tools & Testing” from 26-04-2013 to 27-04-2013.
- One day workshop on “Personality development & interpersonal Skill” and “pre-placement assessment” on 23-10-2013.
- 4 days workshop held on IBM Lotus Domino & Notes from 27-01-2014 to 30-01-2014.
- Two-day National Workshop on “Global Internet Governance – Opportunities & Challenges” from 11-04-2014 to 12-04-2014.
- National School On Recent Computational Trends and Techniques In Computer Science from 08-10-2014 to 15-10-2014.



**(iv) Organized by the Department of Wildlife Sciences:**

- Training programme on Wildlife: Monitoring tools and techniques during December 13-14, 2013.
- Field visit to Mukundra Hills National Park Kota and Sitamata Sanctuary Pratapgarh Rajasthan from 04 Oct. 2015 to 04 Oct. 2015 and from 21 Oct. 2015 to 22 Oct. 2015.
- Field visit to Mukundra Hills National Park Kota Rajasthan from 19 Nov 2015 to 22 Nov 2015 and Technique tour in Sariska Tiger Reserve Alwar Rajasthan from 14 Dec. 2015 to 15 Dec. 2015.



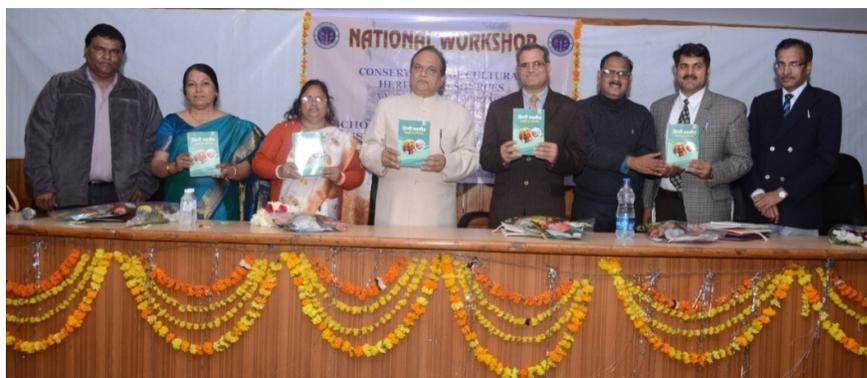
**(v) Organized by the Department of Commerce & Management:**

- Workshop on Geographical Indications and Patent Rights on 10<sup>th</sup> May, 2013.
- Intellectual Property Rights Workshop on 20<sup>th</sup> November, 2013.
- 45 Days Entrepreneurship Development Program during 19<sup>th</sup> Feb. 2014 - 3<sup>rd</sup> April 2014.
- 45 Days Entrepreneurship Development Program during 19<sup>th</sup> March 2016.- 2<sup>nd</sup> May 2016.



**(vi) Organized by the Department of Social Sciences:**

- Workshop on Methodology & Practical Component of Sociology on 18 Dec 2012
- National Seminar on Environmental Issues and Social Concerns on March 21-22, 2014.
- National Seminar on Human Rights Day: Jammu-Kashmir: Facts, Challenges and Opportunity" on 10/12/2014.
- National Seminar on Administrative Culture in India: Transparency and Accountability (In Context present statutory Acts) February 16 & 17, 2015.



**(vii) Organized by School of Heritage, Tourism, Museology and Archaeology:**

- Seminar on Bharat ki Sanskritik Virasat avam Akhand Bharat on 10 August 2015.



**3.1.6 How does the university facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the university?**

- Different types of conferences / seminars / workshops / symposia are being organized by the Department of Pure & Applied Chemistry. A series of National Academic Workshops is a regular event of the Department in which basic and advanced topics are covered along with recent development in the chemistry by the eminent professors and scientists such as Prof. P. S. Kalsi, Prof. K. S. Gupta, Prof. S.C. Ameta, Prof. P.S. Verma, Prof. K.K. Banerji, Prof. J.V. Yakhmi, Prof. P. Singh, Prof. R.K. Bansal, Prof. A.K. Goswami, Prof. R.N. Prasad, Prof. R.T. Pardasani.
- The series of Energy meet and Quantum Mechanics update the knowledge of the faculty and the students via interaction with the experts like Dr. Anil Kakodkar, Ex-Atomic Commission Chairman & Secretary, Department of Atomic Energy, Govt. of India and Prof. Ajoy Ghatak, IIT Delhi.
- Department of Computer Science and Informatics has organized conferences / seminars / workshops on recent trends in computer science. During the events Dr. Ajay Garg, Scientist-F and Dr. Bikash Kumar, Scientist-D, NPCIL, Kota and many more renowned professors and scientists visited the Department.
- Mr. K.M. Tandon (Vice President, DCM Shriram, Kota), Mr. L.C. Baheti (Chairman, Laghu Udyog Council), Mr. Vinoo Mehta (Vice President, DCM Shriram, Kota), Mr. M.M. Tripuri (Income Tax Commissioner), Mr. S.S. Jain (President, Mangalam Cement), Mr. Govind Ram Mittal (President, Small Business) have interacted with the faculty members and students of the Department of

Commerce & Management during various seminars, conferences and workshops.

- Prof. Inakshi Chaturvedi and Prof. Kamlesh Sharma have delivered their lectures as resource persons in the social sciences.
- The adjunct Professors / Industry persons are invited in meetings of BoS / CoC for framing / revising the syllabi of different course as per the contemporary requirements.

The impact of such efforts has developed the emerging areas and is useful in better understanding of global research trends.

**3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization:**

The University has spent Rs. 179.33 Lakhs on research in the financial year 2015-16 as under:

Financial Year	Heads of expenditure	Financial allocation (in Lakhs)	Actual utilization (in Lakhs)	% of Financial Allocation in total budget
2015-16	Equipments and machinery	573.80	153.82	7.00
	Books, Journals and Database	120.00	11.79	1.46
	Consumables and laboratories	9.50	13.72	0.11
	Other	6.00	--	0.07
<b>Total Amount (Rs. in Lakhs)</b>		<b>709.3</b>	<b>179.33</b>	<b>8.65</b>

**3.1.8 In its budget, do the university earmark funds for promoting research in its affiliated colleges? If yes, provide details:**

In its budget, the University takes care of creating facilities at the campus for the researchers of the affiliated colleges. Moreover, the University organizes workshops and meeting for research supervisors for provision in the budget for the research.

**3.1.9 Does the university encourage research by awarding Post Doctoral Fellowships / Research Associate ships? If yes, provide details like number of students registered, funding by the university and other sources:**

The University is providing facilities to all post-doctoral fellows / research associates sanctioned through various funding agencies. Presently two such researchers are working at the campus and some are working at its affiliated colleges.

**3.1.10 What percentages of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?**

There is no provision of sabbatical leave, however, the faculty members are provided special leave to undertake the research at national / international institutes. The researcher is required to submit the progress report from time to time and findings of the research work to the University after completion of the research work.

**3.1.11 Provide details of national and international conferences organized by the university highlighting the names of eminent scientists / scholars who participated in these events:**

The departmental wise details of the events are as follows:

**(i) Organized by the Department of Pure & Applied Chemistry:**

S. No.	Name of the Conference / Seminar / Workshop	Date	Details of Outstanding Resource Persons / Participants
1.	Indo-Swedish Symposium on Strategic Knowledge on climate Change	October 09, 2012	Prof. S.C. Ameta, Prof. P.S. Kalsi, Prof. R.K. Banasal, Prof. Pahup Singh
2.	5 <sup>th</sup> National Academic Workshop-2013 on "Organic Reaction Mechanisms and Analytical Techniques used in Chemical Sciences"	October 21-25, 2013	Prof. P.S. Kalsi, Prof. R.K. Banasal, Prof. Pahup Singh, Prof. J.V. Yakami
3.	6 <sup>th</sup> National Academic Workshop on "Atmospheric Chemistry"	December 19-20, 2014	Prof. K.S. Gupta, Prof. R.N. Prasad

**(ii) Organized by the Department of Pure & Applied Physics:**

S. No.	Name of the Conference / Seminar / Workshop	Date	Details of Outstanding Resource Persons / Participants
1	Energy Meet 2010	24 February, 2010	Dr. Anil Kakodkar, Ex-Chairman, Atomic Commission & Secretary, Department

			of Atomic Energy, Govt. of India
2	Energy Meet 2012	22 November, 2012	Prof. Ravindra Arora, IIT Jodhpur; Prof. G.D. Sharma, JNVU Jodhpur;
3	National School on Quantum Mechanics 2013	05-09 March, 2013	Prof. Ajoy Ghatak, IIT Delhi; Prof. K. Thyagrajan, IIT Delhi
4	Energy Meet 2013	02 December, 2013	Prof. Y.K. Vijay, Former Director, CDPE, UOR Jaipur Dr. Ratna Jain, Former Mayor, Kota
5	National School on Quantum Mechanics 2014	18-22 February, 2014	Prof. A.K. Kapoor, University of Hyderabad Prof. Deepak Kumar, JNU, Delhi
6	Energy Meet 2014	14-15 November, 2014	Dr. P.C. Pandey, CAZRI Jodhpur Prof. S.M. Ali, Vice-President, Solar Energy Society of India
7	Energy Meet 2015	11 December, 2015	Dr. Deepak Gadhia, MSA Renewtech, Vadodara Mr. Rajendra Singh Khichar, Irrigation Department Jaipur
8	National School on Quantum Mechanics 2015	20-25 December, 2015	Prof. Deepak Kumar, JNU Delhi Prof. K.B. Joshi, MLSU Udaipur

**(iii) Organized by the Department of Computer Science & Informatics:**

S. No.	Name of the Conference / Seminar / Workshop	Date	Details of Outstanding Resource Persons / Participants
1	Two days workshop on Software testing tools & Testing	26-04-2013 to 27-04-2013	Ajay Garg, Scientist-F, NPCIL, Kota; Arvind Sharma, Asstt. Professor, DCSI University of Kota; Bhawana Maurya, Asstt Professor, Govt. Women Girls Eng College,

			Ajmer; Bikash Kumar, Scientist-D, NPCIL, Kota; Chandni Joshi, Asstt. Professor, Banasthali University; Rakesh Kumar Sharma, Scientist-D, NPCIL, Kota; Vijendra Singh, Asst Professor, Amity University
2	One day workshop on Personality Development & Interpersonal Skill and Pre-placement Assessment	23-10-2013	Exclusively for MCA students
3	4 days workshop held on IBM Lotus Domino & Notes	27-01-2014 to 30-01- 2014	Exclusively for MCA students
4	Two-day National Workshop on Global Internet Governance – Opportunities & Challenges	11-04-2014 to 12-04- 2014	Narendra Jain, Senior Lecture, Govt. Polytechnic College, Kota; Rajesh Dadhich, Senior Lecture, Govt. Polytechnic College, Kota; Neha Gupta, Asstt. Professor, MIMT Kota; Rahul Gupta, Asstt. Professor, OKIMR, Kota
5	National School On Recent Computational Trends And Techniques In Computer Science	08-10-2014 to 15-10- 2014	Sanjay Anand, CURAJ, Ajmer; Narendra Jain, Senior Lecture, Govt. Polytechnic College, Kota; Rajesh Dadhich, Senior Lecture, Govt. Polytechnic College, Kota; Kavita Sharma, Senior Lecture, Govt. Polytechnic College, Kota

**(iv) Organized by the Department of Life Science:**

S. No.	Name of the Conference / Seminar / Workshop	Date	Details of Outstanding Resource Persons / Participants
1.	Climate change and Ozone layer depletion	16 September, 2015	Prof. R P Sharma
2.	Ethics in Biomedical research	09 October, 2105	Prof. S.N. Pandey
3.	Recent Lab Tech for scientific research	10 November, 2015	Ms. S. Sharma
4.	Awareness about Aids	01 December, 2015	Dr. S.K. Meena
5.	Different topics from syllabus	2 <sup>nd</sup> Wk of October, 2015 4 <sup>th</sup> Wk of November, 2015	Staff / Students' presentation
6.	Topics related to Env'n. conservation; Economic biology and sustainable development	Students attended three National Conferences at Bharatpur, Khajuraho and Neemuch	Various experts from India and abroad
7.	Birds and their ecosystem, Monumental Heritage Tigers and other Wild animals and plants with their habitats, Procedures of Alkaloid production	Educational tours:- 1. Keoladeo National Park, Bharatpur 2. Fatehpur Sikri 3. Panna Tiger Reserve, Panna 4. Alkaloid Factory, Neemuch With Dr. P. Dube and staff	

**(v) Organized by the Department of Wildlife Science:**

S. No.	Name of Event	Duration	Special Achievement, if any
1	Field visit to Mukundra Hills National Park Kota Rajasthan	04 Oct. 2015- 04 Oct. 2015	Study of medicinal plant identification and use in Wildlife
2	Field visit to Mukundra Hills National Park Kota Rajasthan	13Oct. 2015- 13Oct. 2015	Study of GPS data collection
3	Field visit to Sitamata Sanctuary Pratapgarh Rajasthan	21 Oct. 2015- 22 Oct. 2015	Study of vegetation and animal sign survey
4	Field visit to Mukundra	19 Nov 2015-	Social economic

	Hills National Park Kota Rajasthan	22 Nov 2015	survey of villages in MHTR.
5	Technique tour in Sariska Tiger Reserve Alwar Rajasthan	14 Dec. 2015- 15 Dec. 2015	Study on Tiger reintroduction program

**(vi) Organized by the Department of Commerce & Management:**

S. No.	Name of the Conference / Seminar / Workshop	Date	Details of Outstanding Resource Persons / Participants
1.	Workshop on Geographical Indications and Patent Rights	10 <sup>th</sup> May, 2013	Prof B. P. Sharma
2.	Intellectual Property Rights Workshop	20 <sup>th</sup> November, 2013	Mr. B.P. Singh, Mr. S.K. Verma
3.	45 Days Entrepreneurship Development Program	19 <sup>th</sup> Feb. 2014 - 3 <sup>rd</sup> April 2014.	Mr. Pramod Maheshwari (Chairman, Career Point University), Mr. M M Tripuri (Income Tax Commissioner), Mr. S S Jain (President, Mangalam Cement), Mr. K M Tandon (Vice President, DCM Shriram, Kota), Mr. L C Baheti (Chairman, Laghu Udyog Council), Mr. Govind Ram Mittal (President, Small Business)
4.	World IPR Day	26 <sup>th</sup> April, 2014	Ms. Vinita Sharma (Information Centre)
5.	World IPR Day	26 <sup>th</sup> April, 2015	Mr. K M Tandon (Vice President, DCM Shriram, Kota), Mr. L C Baheti (Chairman, Laghu Udyog Council)
6	45 Days Entrepreneurship Development Program	19 <sup>th</sup> March 2016.- 2 <sup>nd</sup> May 2016	Mr. Vinoo Mehta (Vice President, DCM Shriram, Kota ), Mr. L C Baheti (Chairman, Laghu Udyog Council),

**(vii) Organized by the Department of Social Sciences:**

S. No.	Name of the Conference / Seminar / Workshop	Date	Details of Outstanding Resource Persons / Participants
1.	Lecture on Human Rights Day	10 Dec, 2012	Dr. S.C. Sharma
2.	Workshop on Methodology & Practical Component of Sociology	18 Dec 2012	--
3.	Lecture on Human Rights Day	10 Dec, 2013	Prof. Inakshi Chaturvedi
4.	National Seminar on Environmental Issues and Social Concerns	March 21-22 2014	--
5.	National Seminar on Human Rights Day: "Jammu-Kashmir: Facts , Challenges and Opportunity"	10 Dec, 2014	
6.	National Seminar On: Administrative Culture in India :Transparency and Accountability (In Context present statutory Acts)	February 16 & 17 , 2015	

**(viii) Organized by School of Heritage, Tourism, Museology and Archaeology:**

S. No.	Name of the Conference / Seminar / Workshop	Date	Details of Outstanding Resource Persons / Participants
1.	Seminar: Bharat ki Sanskritik virasat avam akhand bharat	10 August, 2015	Prof. Kamlesh Sharma, VMOU, Kota

**3.2 Resource Mobilization for Research:**

**3.2.1 What are the financial provisions made in the university budget for supporting students' research projects?**

The requirements of the students in terms of various resources for executing their approved research plans are obtained at departmental level. Special budgetary provisions have been made for the departments for generating facilities / resources.

**3.2.2 Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?**

The University has an Intellectual Property Right (IPR) Cell which provides a basic knowledge of geographical indication, patent concepts and procedure of filing the patents at national & international level. The IPR Cell also encourages and facilitates faculty members and researchers to file patents through national agencies viz. National Research and Development Corporation (NRDC), New Delhi and Technology Information, Forecasting and Assessment Council (TIFAC), DST, New Delhi. The University has also made budgetary provisions for the faculty members to file and maintain the patents. So far four patents have been filed by the faculty members and two have been granted.

S. No.	Name of Faculty Member	Name of Subject / Department	Details of Patents / Copyrights / Trademarks, etc.			
			Granted		Filed	
			Title	Date / Appln.	Title	Date
1.	Prof. Ashu Rani	Chemistry	Green catalytic process for aspirin synthesis using fly ash heterogenous acid catalyst	1980 / DEL / 2007 Paent No. 258334 (Granted in 2013)	Fly ash supported bimetallic catalyst (Ni-Co): An efficient and recyclable solid acid catalyst for esterification reaction	452/D EL / 2008 Indian Application No. 3749/DEL/2011
2.	Prof. Ashu Rani	Chemistry			Microwave irradiated phenyl benzylation using perlite based tungstophosphoric acid catalyst and a process for the preparation thereof	Applicati on no. 1523/DEL/2015
3.	Prof. Ashu Rani	Chemistry			A novel solid base catalyst for microwave assisted	Applicati on no. 738/DEL/2015

					knoevenagel condensation of benzaldehyde with malononitrile	
4.	Prof. Ashu Rani	Chemistry			A novel process for converting industrial waste fly ash into value added ferromagnetic material	E-1 / 7705 / 2016-DEL Date: 11/03/2016
5.	Neelu Chouhan	Chemistry	A compound of blue phosphor for uv light excitation and the manufacturing method thereof	11/02/2013		

### 3.2.3 Provide the following details of ongoing research projects of faculty:

The department wise details of the ongoing research projects of faculty are as below:

#### (i) Department of Pure & Applied Chemistry: 10

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
1.	Prof. Ashu Rani	Development of application specific low cost adsorptive materials from fly ash from removal of toxic chemicals from industrial effluents and for waste water treatment.	DST, New Delhi	39.00	39.00	2013-2016
2.	Dr. Neelu	Development of	DST,	30.00	30.00	2014-

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
	Chouhan	the optoelectronic materials for water splitting	New Delhi			2017
3.	Dr. Neelu Chouhan	Eco-friendly photocatalytic degradation of plastic waste for LPG production,	DST, Rajasthan	00.13	00.13	2014-2015
4.	Dr. Bhawani Singh	Synthesis and evaluation of pharmacological profile of some novel hetero ring fused five-, six- and seven-membered heterocyclic compounds and their derivatives	UGC, New Delhi	05.25	0.00 (in UOK)	2012-2015
5.	Dr. Bhawani Singh	Application of multi-component reactions in drug discovery: Synthesis and evaluation of therapeutic profile of some novel spirocyclic heterocycles	DST-SERB	11.58	04.80	2013-2016
6.	Sushil Kr. Sharma	Bio-transformation of prochiral ketones to pharmaceutically used chiral alcohols by Baker's Yeast	DST, Rajasthan	00.10	00.10	2014-2015
7.	Sushil Kr. Sharma	Baker's Yeast: A green chemical method for the enantioselective reduction of	DST, Rajasthan	00.10	00.10	2014-2015

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
		carbonyl compounds				
8.	Dr. Sushil Kr. Sharma	Baker's Yeast mediated synthesis of some bioactive chiral alcohols	UGC, New Delhi	06.00	06.00	2014-2015
9.	Sh. Ankit Sharma	The study of mechanical, electrical, and thermal properties of CNT-reinforced polyurethane composites using aliphatic, aromatic and bio-based binders for innovative materials in space application	from UoK under UGC XII Plan Development Fund	02.00	02.00	2014-2016
10.	Dr. Shweta Vyas	A Comparative Study of Kinetics & Mechanism of some Redox Reactions.	UGC, New Delhi	6.00	6.00	2014-2016

**(ii) Department of Pure & Applied Physics: 03**

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
1.	N.K. Jaiman (Co-PI)	Theoretical investigation of nonlinear interaction of intense relativistic laser pulse with various plasma mirror configurations: brightest X-ray and gamma-ray generation.	DST, New Delhi	25.92	17.00	2013-2016
2.	Dr. Saurabh	Study of	DST,	21.40	10.00	2016-

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
	Dalela (Scientific Mentor)	electrical, optical and magnetic properties in doped CeO <sub>2</sub>	New Delhi			2019
3.	Dr. G. Sharma	Study of electronic and optical properties of Zn <sub>3</sub> X <sub>2</sub> (X=N, P, As) semiconductor compounds for solar cell applications	DST-SERB	17.28	12.00	2013-2016

**(iii) Department of Computer Science & Informatics: 01**

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
1.	Sh. K.K. Sharma	Denosing of Magnetic Resonance Images of brain using Intelligent hybrid technique of Wavelet Multiscale and Dynamic Contrast Enhanced method	from UoK under UGC XII Plan Development Fund	02.00	02.00	2014-2016

**(iv) Department of Commerce & Management: 03**

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
1.	Dr. Anukrati Sharma	An Empirical Study on Role of Marketing Strategies and Information Technology for the Tourism Development in Rajasthan	UGC	22.0		2015-2017
2.	Dr. Meenu Maheshwari	Corporate Governance	-	5.0		2014-2016

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
3.	Mr. Ashish Asopa	Micro Finance	from UoK under UGC XII Plan Development Fund	1.3	1.3	2014-2016

**(v) Department of Social Sciences: 01**

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
1.	Sh. K. R. Choudhary	बाड़मेर जिले में खनिज तेल एवं कोयले के उत्पादन का उसके आर्थिक, सामाजिक तथा पर्यावरणीय स्वरूप पर प्रभाव	from UoK under UGC XII Plan Development Fund	1.5	1.5	2014-2016

**3.2.4 Does the university have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.**

Yes, the details are as follows:

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lakh)	Amount Received (in Lakh)	Duration
1.	Namrata Sengar (Principal Contact)	Enhancing teaching and research and development in Solar Energy Materials and Technologies through Capacity Building and Collaborative Research Projects	Royal Academy of Engineering, UK, FICCI, India under Newton-Bhabha Fund* and University of Kota	100.00	32.96	2016-2018

*\*MSA Renewtech (Industry Partner), Vadodara, Gujarat, India; University of Durham and Cranfield University (UK Universities).*

**3.2.5 How many departments of the university have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition:**

S. No.	Title of project	Funding agency	Amounts (Rs. in Lakh)	Duration
1.	XII Plan Grant on Ad hoc basis	UGC, New Delhi	800.00	2013-2017
2.	DST-FIST project for infrastructure development in University Department of Chemistry under Level-1.	DST, New Delhi	95.00	2015-2018
3	Scheme for Development of Sports Infrastructure and Equipments	UGC, New Delhi	175.00	2015-2017

The fundings of these projects are facilitating in improving teaching and upgrading research facilities in the University.

**3.2.6 List details of**

**a. Research projects completed and grants received during the last four years (funded by National/International agencies). :**

The department wise details of the completed research projects of faculty are as below:

**(i) Department of Pure & Applied Chemistry: 09**

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
1.	Prof. Ashu Rani	Synthesis, characterization and application of several catalytic materials based on coal generated fly ash.	DST, New Delhi	63.00	63.00	2009-2012
2.	Prof. Ashu Rani	Some mathematical models for pollutant uptakes plants.	Min. of Environ. & Forestry	07.50	7.50	2010-2013
3.	Prof. Ashu Rani	Designing climate-smart	SIDA Govt. of	SEK 27	SEK 27	2010-2013

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
		water adaptation strategies for sustainable urban development: A study in Cochabamba, Bolivia and Kota, India.	Sweden			
4.	Prof. Ashu Rani	Removal of Arsenic from industrial effluents using lime stone (Kota stone slury) as an effective adsorptive material	DST, Rajasthan	00.13	00.13	2010-2011
5.	Prof. Ashu Rani	Synthesis and characterization of an efficient and recyclable solid acid catalyst from fly ash by an environmental friendly low cost process	DST, Rajasthan	00.12	00.12	2010-2011
6.	Prof. Ashu Rani	Degradation of Polythene using an effective fly ash supported catalyst	DST, Rajasthan	00.13	00.13	2010-2011
7.	Prof. Ashu Rani	Adsorptive properties of Perlite (volcanic ash) and its utilization as selective adsorption catalyst for removal of dyes and organic acids	DST, Rajasthan	00.12	00.12	2010-2011
8.	Sushil Kr. Sharma	Bio-transformation	DST, Rajasthan	00.10	00.10	2014-2015

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
		of prochiral ketones to pharmaceutically used chiral alcohols by Baker's Yeast				
9.	Sushil Kr. Sharma	Baker's Yeast: A green chemical method for the enantioselective reduction of carbonyl compounds	DST, Rajasthan	00.10	00.10	2014-2015

**(ii) Department of Pure & Applied Physics: 04**

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
1.	N.K. Jaiman (Co-PI)	Analytical and numerical study of non-linear laser particle interaction at relativistic intensities with a boundary of a plane over dense layer and generation of higher laser harmonics	DST, New Delhi	16.27	13.36	2010-2013
2.	Dr. Saurabh Dalela (Scientific Mentor)	Plasmonics using size and shape selected nanomaterials	DST, New Delhi	14.76 Lacs	14.76 Lacs	2011-2014
3.	Dr. G. Sharma	Electron momentum density of some binary compounds in bulk and nanophase	UGC	2.00	2.00	2011-2013
4.	Dr. G. Sharma	Study of the electronic,	CSIR	14.55	14.55	2012-2015

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
		optical and structural properties of lead-chalcogenides PbX (X=S, Se, Te)				

**b. Inter-institutional collaborative projects and grants received:**

**i. National Level collaboration:**

- MSA Renewtech (Industry Partner), Vadodara, Gujarat, India.

**ii. International collaboration:**

- International research project on “Designing smart climate water adaptation strategies for sustainable urban development: A study in Cochabamba, Bolivia and Kota, India”.
  - *Partners:* University of Kota and Linkoping University, Sweden.
- International research project on "Enhancing teaching and research and development in solar energy materials and technologies through capacity building" under Newton Bhabha Fund for Higher Education Partnership.
  - *Partners:* University of Kota and University of Durham, UK and Cranfield University, UK.

**3.3 Research Facilities:**

**3.3.1 What efforts have been made by the university to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?**

- Submitted proposals to and received grants from the national and international agencies for the development and strengthening of infrastructure facilities for research (DST, New Delhi; DST, Rajasthan; UGC, New Delhi; DAE-BRNS, Mumbai; CSIR, New Delhi; ICSSR, New Delhi, etc.).
- Erection of high-tech laboratories, Installation of 100KW solar power plant, modern sports complex, separate complex for heritage, tourism, museology and archaeology for conducting research on preservation of documents of archives,

- numismatics, armoury, sculptures, paintings, monuments, *etc.*
- Proposals are in active consideration for the allotment of 48 Hectare of forest land for developing the Wildlife Institute (clearance have been obtained from the Forest Department and State Govt. Matter is pending at Central Govt. level).
  - Provision for a separate floor / wing for research scholars in the University Boy's Hostel which is being constructed in the campus.
  - Procurement of latest research equipments\* and high-end computers for conducting researches on niche areas.
    - \*FT-IR spectrophotometer with ATR
    - \*FT-IR spectrophotometer with DRS
    - \*Gas Chromatograph with FID
    - \*Double Beam UV-VIS Spectrometer with DRS
    - \*Atomic Absorption Spectrometer
    - \*Spectrofluorimeter
    - \*Microwave Heating Furnace
    - \*Potentiostat / Galvanostat
    - \*Rotatory Evaporator or Rotavapor
    - \*Refractometer
    - \*Millipore Water Purification System
    - \*UV-VIS Spectrophotometer
    - \*Planetary Ball Mill
    - \*Microwave Synthesis System
    - \*Vapour Phase Microreactor
    - \*Sputtering Deposition Unit
    - \*Vacuum Coating Unit
    - \*Spin Coating Unit
    - \*Microprocessor Controlled Furnace
    - \*Differential Scanning Calorimeter
    - \*UV-Vis-NIR Spectrometer
    - \*Pyranometer
    - \*Albedometer
    - \*Computers with latest configuration
    - \*Advanced Computer Lab of 37 computer with intel i-3 processors
    - \*Advanced Computer Lab of 50 computer with intel i-5 processors
    - \*Advanced Computer Lab of 20 computer with intel i-7 processors
  - Access to Delnet and Infnlibnet facilities in the Central Library
  - Constant upgradation of physical stock of the Central Library.
  - Creation of an independent IPR Cell in the University.
  - Creation of a Study Centre on Special Groups of the Society.

Efforts are made to identify the recent trends of research in different disciplines and research students are encouraged to participate in discussion, literature collection, etc. in the thrust areas so emerged. Such areas of research are examined for their consonance with areas identified at national level. Projects are prepared and submitted by the faculty members and students to different funding agencies. The University also provides financial assistance for such types of projects.



**3.3.2 Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.**

The need of information resource centre is catered through Inflibnet, Delnet and National Programme on Technology Enhanced Learning (NPTEL) facilities. The University also provides necessary information on its website.

**3.3.3 Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?**

The Department of Pure & Applied Chemistry has Central Sophisticated Analytical Instrumentation Facility for the researchers of the University departments, affiliated colleges and other institutes / organization.

**3.3.4 Does the university provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national / international)?**

The University has a guest house with Wi-Fi facilities where visiting researchers and academicians can lodge for their research activities at the University with prior information. A separate floor / wing of the boys hostel is being provided in the University hostel.

**3.3.5 Does the university have a specialized research centre / workstation on campus and off-campus to address the special challenges of research programmes?**

The University is providing two workstations in the Department of Pure & Applied Physics and Department of Computer Science & Informatics to facilitate on the campus and off the campus research scholars to address their special requirements and challenges during their research works.

Some of the specific research areas on research scholars have been working for their Ph.D. / project work are as below:

- Fly ash & its utilization
- Heterocyclic chemistry
- Medicinal chemistry
- Drug discovery & development
- Electro-organic synthesis
- Material science, Polymer science
- Solar energy, Plasma Physics
- Atmospheric science
- Catalysis
- Kinetic studies
- Nano-molecular devices
- Wireless ad-hoc network and sensor network
- Artificial Intelligence
- Robotics
- Micro-finance
- Corporate governance
- Zero budgeting, rolling plans
- Medical tourism, cultural tourism
- Remote sensing and GIS
- Migration
- Cropping pattern
- Development planning
- Climate change and environmental modeling
- Power delegation, hierarchical management
- Organizational commanding
- Poverty, macro-economics instruments, agricultural marketing, farm management, developmental planning, sustainable development.
- Denotified tribes, social constraints in the development of Saharia species
- Yoga, Meditation and crime in society
- Oppression of women
- Social adjustment of single woman
- Socially marginalized groups
- Environmental and social concern.

The availability of above two workstations in the departments have facilitated research scholars in pursuing specialized research in many of the above areas.

**3.3.6 Does the university have centres of National and International recognition / repute? Give a brief description of how these facilities are made use of by researchers from other laboratories**

- A national centre "Swami Vivekanand Shodhpeth" where the researchers are encouraged to undertake studies on contribution of Swami Vivekanand in the development of scientific temper.
- Centre for Analytical Instrumentation Facility which is attracting the researchers from other nearby universities / institutes for availing the facilities of the University.
- Department of Pure & Applied Physics is developing as a centre of energy technology and research for getting national and international recognition and collaboration.
- Department of Pure & Applied Chemistry is also emerging on national and international map as centre for (i) fly-ash research, (ii) climate change and (iii) water splitting for energy for researchers (iv) heterocyclic and medicinal chemistry.

**3.4 Research Publications and Awards:**

**3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database**

The faculty members of the University have started an online journals such as International Journal of Business and Management (ISSN: 2320-4648) and PROFICIENT International Refereed Journal of Management (ISSN: 0975-475x).

**3.4.2 Give details of publications by the faculty:**

Name of Department	Number of papers published		Mono graphs	Chapters in Books	Edited Books	Books with ISBN with details of publishers	Number listed in Intl Database	Citation Index: range / average and SNIP / SJR	Impact Factor: range / average	h-index
	in peer reviewed journals (natl. / intl.)	in conference proceedings								
Chemistry	87	10	--	33	07	--	75	11-450	0-8.262	1-8
Physics	59	15	--	09	01	01	59	44-173	0-3.635	5-8
Computer	60	25	--	11	02	--	--	12-88	0-1.890	2-6
Life Science	09	--	--	--	--	--	--	--	--	--
Wildlife Sci.	10	04	--	--	--	03	--	--	--	--
Com. & Mgmt.	42	13	--	16	14	05	--	--	--	--
Social Sci.	09	01	--	11	04	--	--	--	--	--
Heritage	15	--	--	08	05	--	--	--	--	--
Physical Edu.	02	--	--	--	--	--	--	--	--	--
Law	--	--	--	--	06	01	--	--	--	--

### 3.4.3 Give details of

#### ❖ Faculty serving on the editorial boards of national and international journals

##### **Prof Rajeev Jain**

- Vision Research Journals, Management, Commerce, Eng, Tech & Science
- Journal 'NIRNAY'
- Unnati – The Business Journal

##### **Prof. Reena Dadhich**

- International Journal of wireless and mobile networks
- International Journal of Computer Application

##### **Dr. O.P. Rishi**

- éclat: International Journal of Computational Science, Engineering & Technology
- éclat: International Journal of Business & Management.
- Scientific Journals International (Computer Science, Computer Engineering, BCIS, MIS)
- Journal of Computer Science, Informatics and Electrical Engineering
- Journal of Engineering, Computing & Architecture.
- International Journal of Academic Research
- International Journal of Computational Intelligence Techniques

##### **Dr. Anukrati Sharma**

- International Journal of Exclusive Management Research
- International Journal of Marketing & Business Communication
- Online International Interdisciplinary Research Journal, Maharashtra
- PARIPEX – Indian Journal of Research
- Public Journal of Business Studies
- International Researcher
- Journal of Accounting, Business and Management Malangkcecuara School of Economics
- International Journal of Education Economics and Development
- Global Journal of Management Science and Technology
- International Journal of Management Research and Review
- GLOBAL Journal of Management science and technology
- International Journal of Academic Research in Management
- Multidisciplinary Peer-Reviewed Journal Macro theme Review

**Dr. Neelu Chouhan**

- Acta Chimica & Pharmaceutica Indica
- Journal of Modern Chemistry and Chemical Technology

**Dr. Ghanshyam Sharma**

- International Journal of Current Science & Technology (IJCST), Indian Academy of Science and Humanities, India

**Sh. K. K. Sharma**

- International Journal of Electronics Communication and Computer Technology

**Dr. Prahlad Dube**

- National Journal of Life Sciences.
- Journal of Environment and Social Science Research
- Life Science Bulletin
- National Journal of Life Sciences
- Biospectrum
- International Journal of Environment and Earth Sciences
- Bioscience and Biotechnology Research Communication
- International Journal of Global Science Research

**Dr. Fatima Sultana**

- International Journal of Climate Change
- Journal of Threatened Taxa

❖ **Faculty serving as members of steering committees of national / international conferences recognized by reputed organizations / societies:**

**(a) Department of Pure & Applied Chemistry (DPAC):**

S. No	Name of the Faculty Member	Capacity	Name of Event	Date(s)	Organized by & Venue
1.	Prof. Ashu Rani	Convener	5 <sup>th</sup> National Academic Workshop-2013 on "Organic Reaction Mechanisms and Analytical Techniques used in Chemical Sciences	October 21-25, 2013	Deptt. DPAC, UOK
		Convener	Indo-Swedish Symposium on Strategic Knowledge on climate Change	October 09, 2012	Deptt. DPAC, UOK
		Convener	Indo-Swedish Symposium	September 2014	Deptt. DPAC, UOK

		Convener	National Symposium on Socio-legal and challenges in India	October 4-5, 2013	UOK
2.	Dr. Neelu Chouhan	Co-convener	5 <sup>th</sup> National Academic Workshop-2013 on “Organic Reaction Mechanisms and Analytical Techniques used in Chemical Sciences	October 21-25, 2013	Deptt. DPAC, UOK
		Organizing Secretary	National Symposium on Socio-legal and challenges in India	October 4-5, 2013	UOK
		Co-convener	5 <sup>th</sup> National Academic Workshop-2013 on “Organic Reaction Mechanisms and Analytical Techniques used in Chemical Sciences	October 21-25, 2013	Deptt. DPAC, UOK
3.	Dr. Bhawani Singh	Organizing Secretary	5 <sup>th</sup> National Academic Workshop-2013 on “Organic Reaction Mechanisms and Analytical Techniques used in Chemical Sciences	October 21-25, 2013	Deptt. DPAC, UOK
		Chair the Session	National Conference on Modern Technology in Chemical Sciences MTCS-2016	Jan 30-31, 2016	MLSU, Udaipur
		Programme Coordinator	93rd Orientation Programme for College and University Teachers	Feb 15-March 12, 2016	UOK and UGC-HRDC, JNVU, Jodhpur

**(b) Department of Pure & Applied Physics (DPAP):**

S. No	Name of the Faculty Member	Capacity	Name of Event	Date(s)	Organized by & Venue
1.	Prof. N. K. Jaiman	Chairperson	Energy Meet 2012	November 22, 2012	Deptt. DPAP, UOK

		Chairperson	National School on Quantum Mechanics 2013	March 05-09, 2013	Deptt. DPAP, UOK
		Chairperson	Energy Meet 2013	December 02, 2013	Deptt. DPAP, UOK
		Chairperson	National School on Quantum Mechanics 2014	February 18-22, 2014	Deptt. DPAP, UOK
		Coordinator	Refresher Course in Experimental Physics	January 09-25, 2014	Deptt. DPAP, UOK
		Chairperson	Energy Meet 2014	November 14-15, 2014	Deptt. DPAP, UOK
		Chairperson	National School on Quantum Mechanics 2015	December 20-25, 2015	Deptt. DPAP, UOK
		Chairperson	Energy Meet 2015	December 11, 2015	Deptt. DPAP, UOK
2.	Dr. Saurabh Dalela	Converner	National School on Quantum Mechanics (NSQM-2015)	December 20-24, 2015	Deptt. DPAP, UOK
		Coordinator	Energy Meet 2015	December 11, 2015	Deptt. DPAP, UOK
		Coordinator	Energy Meet 2014	November 14-15, 2014	Deptt. DPAP, UOK
		Joint-Coordinator	Refresher Course in Experimental Physics	January 9-25, 2014	Deptt. DPAP, UOK
		Converner	National School on Quantum Mechanics (NSQM-2014)	February 18-22, 2014	Deptt. DPAP, UOK
		Coordinator	Energy Meet 2013	December 02, 2013	Deptt. DPAP, UOK
		Converner	National School on Quantum Mechanics	March 05-09, 2013	Deptt. DPAP, UOK

			(NSQM-2013)		
		Converner	Energy Meet 2012	November 22, 2012	Deptt. DPAP, UOK
3.	Dr. Ghanshyam Sharma	Coordinator	Energy Meet 2012	November 22, 2012	Deptt. DPAP, UOK
		Organizing Secretary	National School on Quantum Mechanics 2013	March 05-09, 2013	Deptt. DPAP, UOK
		Convener	Energy Meet 2013	December 02, 2013	Deptt. DPAP, UOK
		Coordinator	National School on Quantum Mechanics 2014	February 18-22, 2014	Deptt. DPAP, UOK
		Deputy Coordinator	Refresher Course in Experimental Physics	January 09-25, 2014	Deptt. DPAP, UOK
		Co-Convener	LEAD-2014: National Workshop on Opportunities & Challenges of Life	July 3-4, 2014	PC Cell, UOK
		Co-Convener	Energy Meet 2014	November 14-15, 2014	Deptt. DPAP, UOK
		Organizing Secretary	National School on Quantum Mechanics 2015	December 20-25, 2015	Deptt. DPAP, UOK
		Convener	Energy Meet 2015	December 11, 2015	Deptt. DPAP, UOK
		Course Coordinator	Refresher Course on Computer Applications	May 11-31, 2016	UOK and UGC-HRDC, JNVU, Jodhpur
4.	Dr. Namrata Senger	Organizing Secretary	Energy Meet 2014	November 14-15, 2014	Deptt. DPAP, UOK
		Organizing Secretary	Energy Meet 2015	December 11, 2015	Deptt. DPAP, UOK

**(c) Department of Computer Science & Informatics (CSI):**

<b>S. No</b>	<b>Name of the Faculty Member</b>	<b>Capacity</b>	<b>Name of Event</b>	<b>Date(s)</b>	<b>Organized by &amp; Venue</b>
1.	Prof. Reena	Convener	Software Testing: Tools & Techniques	April 26-27, 2013	Deptt. of CSI, UOK
		Chairperson	A National Workshop on Global Internet Governance-Opportunity and Challenges	April 11-12, 2014	Deptt. of CSI, UOK
		Co-ordinator	Ph.D. Course Work, Computer Science	2013	University of Kota
		Chairperson	Technical Workshop on, "IBM Domino and Lotus Notes	Jan 27-30, 2014	Deptt. of CSI, UOK
		Chairperson	National School on Recent Comp. Trends & Tech. in Computer Science"	Oct. 8-15, 2014	Deptt. of CSI, UOK
		Chairperson	Workshop on Career Management and Student Employability	March 11-12, 2015	Placement & Counselling Cell, UOK
2.	Dr. O.P. Rishi	Member, Technical Program Committee	World Congress on Internet Security (WorldCIS 2013)	August 5-7, 2013	Tokyo, Japan
		Convener	A National Workshop on Global Internet Governance-Opportunity and Challenges	April 11-12, 2014	Deptt. of CSI, University of Kota
		Convener	National School on Recent Comput. Trends & Techniques in Computer Science	Oct 8-15, 2014	Deptt. of CSI, University of Kota
3.	Dr. P.C. Gupta	Co-Convener	Software Testing: Tools & Techniques	April 26-27, 2013	Deptt. of CSI, University of Kota

**(d) Department of Wildlife Science (WLS):**

S. No	Name of the Faculty Member	Capacity	Name of Event	Date(s)	Organized by & Venue
1.	Dr. Fatima Sultana	Convener	International Vulture Awareness Workshop	Sep 1-2, 2012	Deptt. WLS, UOK
		Convener	Training Program on Wildlife: Monitoring, Tools and Techniques	Dec 13-14, 2013	Deptt. WLS, UOK
		Convener	Training Course on Use of GPS & Open Source QGIS in Wildlife management	Aug 4-9, 2014	Deptt. WLS, UOK
		Convener	Training Course on GIS and Remote Sensing	Oct 5-17, 2015	Deptt. WLS, UOK

**(e) Department of Commerce and Management (C&M)**

S. No	Name of the Faculty Member	Capacity	Name of Event	Date(s)	Organized by & Venue
1.	Prof. Rajeev Jain	Chairperson	Workshop on Geographical Indications and Patent Rights,	May 10, 2013	IPR Cell, UOK, Kota
		Chairperson	Intellectual Property Rights Workshop	Nov. 30, 2013	IPR Cell, UOK, Kota
		Chairperson	45 Days Entrepreneurship Development Program from	Feb 19- April 3, 2014	Deptt. C&M, UOK and DST Rajasthan
		Chairperson	45 Days Entrepreneurship Development Program from	March 19-May 2, 2016	Deptt. C&M, UOK and DST Rajasthan
		Chaired the Technical session	National Conference on Innovative Research Practices in Science, Technology and Management	April 30, 2016	Career Point University, Kota

		Chaired Technical session	Niche Tourism in the 8 <sup>th</sup> ITHC International Tourism Conference on Asia Pacific Tourism: Innovations and Challenges in the age of M-Commerce	July 27 – 31, 2015	Lyceum University, Philippines
		Co-Chaired Technical Session	Economic Vision of Lord Mahaveera: Building Blocks of Relative Economics” in International Seminar on “Ethics & Values in Resource Management	November 1-2, 2014	IRIRE, New Delhi
		Chaired Technical Session	Tourism Marketing in 5 <sup>th</sup> International Conference on Tourism towards New Horizons: Issues and Challenges, Kuala Lumpur, Malaysia	September 7, 2013	Taylor’s University, Malaysia and Indian Tourism Congress
		Chaired Technical Session	International Seminar on Neoteric Trends in Functional Management	March 23, 2013	FMS, JRN Rajasthan Vidhyapeeth University, Udaipur
		Chaired Technical Session	International Conference on Contemporary Marketing Practices and framework for change	April 6, 2013	Pacific University, Udaipur
2.	Dr. Anita Sukhwal	Co-ordinator	National Seminar on Socio-Legal Issues and Challenges of Female foeticide and Infanticide in India	October, 4-5, 2013	Women Cell, UOK
3.	Dr. Anukrati Sharma	Convener	45 Days Entrepreneurship Development Program from	Feb 19- April 3, 2014	Deptt. C&M, UOK and DST Rajasthan
		Convener	LEAD- National Workshop	2014: July 3-4, 2014	PC Cell, UOK

			on Opportunities & Challenges of Life		
		Organizing Secretary	National Symposium on Socio-legal and challenges in India	October 4-5, 2013	UOK
		Organizing Secretary	Intellectual Property Rights Workshop	Nov. 30, 2013	IPR Cell, UOK, Kota
4	Sh. Ashish Asopa	Convener	45 Days Entrepreneurship Development Program from	March 19-May 2, 2016	Deptt. C&M, UOK and DST Rajasthan

**(f) Department of Social Sciences (SS)**

S. No	Name of the Faculty Member	Capacity	Name of Event	Date(s)	Organized by & Venue
1.	Prof. S.C. Rajora	Convener	Workshop: Methodology & Practical Component of Sociology	Dec 18, 2012	Deptt. of SS, UOK, Kota
		Chairperson	National Seminar on Environmental Issues and Social Concerns	March 21-22 2014	Deptt. of SS, UOK, Kota
		Chairperson	National Seminar on Human Rights Day: "Jammu-Kashmir: Facts , Challenges and Opportunity	Dec. 10, 2014	Deptt. of SS, UOK, Kota
2.	Dr. J.P. Sharma	Convener	National Seminar on Environmental Issues and Social Concerns	March 21-22 2014	Deptt. of SS, UOK, Kota
		Co-convener	National Seminar On Administrative Culture in India : Transparency and Accountability (In Context present statutory Acts)	Feb. 20-21, 2015	Deptt. of SS, UOK, Kota
3.	Dr. Vikrant Sharma	Convener	National Seminar On Administrative	Feb. 20-21, 2015	Deptt. of SS, UOK, Kota

			Culture in India: Transparency and Accountability (In Context present statutory Acts)		
		Co-convener	National Seminar on Environmental Issues and Social Concerns	March 21-22 2014	Deptt. of SS, UOK, Kota
4.	Sh. K.R. Choudhary	Organizing Secretary	National Seminar on Environmental Issues and Social Concerns	March 21-22 2014	Deptt. of SS, UOK, Kota

#### 3.4.4 Provide details of:

##### ❖ Research awards received by the faculty and students

##### • Prof. ASR Anjaneyulu 60th Birthday Commemoration Award-

- Prof. Ashu Rani was honoured by this award by Indian Chemical Society, Kolkata at annual convention of chemists held during December 28-30, 2015 at JECRC, Jaipur.

##### • Paper received Grignard Award-

- Rakshit Ameta, Monika Trivedi, Neelu Chouhan and Chetna Ameta, Improved performance of dye sensitized solar cell using carbon and zinc co-doped semiconductor, international. Journal of Renewable Energy Technology Research, 2015, 4(4), 1-10.

##### • Fast Track Young Scientist Award-

- **Dr. Bhawani Singh**-Young Scientist Award under DST-Fast Track SB/FT/CS-122/2012 Dated 31-12-2013
- **Dr. Ghanshyam Sharma**-Young Scientist Award under DST-Fast Track (OYS) Scheme in 2013.

##### • Best Paper Presentation (Oral) Award-

- Dr. Bhawani Singh received in National Symposium on Organic Synthesis at ICG, Jaipur in 2011.
- **Dr. Namrata Sengar** at Retopia organized by TERI University, 11 Oct 2012.

##### • Prof KK Banerjee memorial Award -

- Mr. Rajesh Kumar Meena received during MTCS-2016, Udaipur on 30 Jan. 16

##### • Women Scientist Award -

- Ms. Swati Soni from DST, New Delhi in 2015-16.

- **Awarded Financial Grant-**
  - **Dr. Saurabh Dalela**-Indo-Italian POC for visiting Elettra Synchrotron, Trieste, Italy for experiments in the beamtime allotted at BACH beamline in Dec. 2012.
- **Life Time Achievement Award-**
  - **Dr. Prahlad Dube** received Life Time Achievement Award-2013 by Mr. Jai Ram Ramesh, the Hon'ble Cabinet Minister for Urban Development, Government of India, at Karnataka State Sericulture Research and Development Institute, Bangaluru, bestowed by MSET, International Consortium of Contemporary Biologists.
- **Eminent Scientist Award-**
  - **Dr. Prahlad Dube** received Eminent Scientist Gold Medal-2014, by Addl. Director, Higher Education MP at Government P. G. (Autonomous) College, Satna (MP) and conferred by Society of Life Sciences, Satna, M.P.

❖ **National and International recognition received by the faculty from reputed professional bodies and agencies:**

- **Prof. Ashu Rani:**  
Co-investigator in International project “Designing smart climate water adaptation strategies for sustainable urban development: A study in Cochabamba, Bolivia and Kota, India” Sweden funded by SIDA.
- **Dr. Saurabh Dalela:**  
Visiting Professor and member of syllabus development committee at Department of Physics, Royal University of Phnom Penh, Cambodia.
- **Dr. Namrata Sengar:**  
Principal Investigator in the international project of Royal Academy of Engineering, UK and FICCI, India under Newton-Bhabha Fund.

**3.4.5 Indicate the average number of successful M.Phil. and Ph.D. scholars guided by per faculty during the last four years. Does the university participate in *Shodhganga* by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?**

Total 80 M.Phil./Ph.D. scholars were guided by the faculty members during last four years and the average number is 3.33. The University in the process of signing MoU with Inflibnet for membership of *Shodhganga* for electronic dissemination through open access.

**3.4.6 What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken:**

The University intent to promote research without any malpractices and plagiarism. The information regarding software to check the malpractices and plagiarism is given to the research scholars during the course work. At the time of submission of thesis, a certificate regarding original piece of work is taken by the candidate and supervisor. The University may cancel the degree if the Ph.D. thesis is submitted with copied work.

So far, no case of plagiarism has been identified / reported in the University.

**3.4.7 Does the university promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?**

- Ph.D. scholars in different departments are encouraged to select inter-disciplinary topics for their research work. In most of the departments such efforts are successfully made.
- Department of Pure and Applied Chemistry has completed one international interdisciplinary research project on climate change in collaboration with agriculture scientists of Bolivia and social scientists and climate change experts of Sweden.
- Department of Pure and Applied Chemistry has completed one project on Mathematical Modelling of Environmental Issues sanctioned through Ministry of Environment & Forest in collaboration with Department of Mathematics of the affiliated college.
- Department of Pure and Applied Physics is working on Enhancing teaching and research and development in solar energy materials and technologies through capacity building under the collaboration with Royal Academy of Engineering, UK.

**3.4.8 Has the university instituted any research awards? If yes, list the awards:**

The University is awarding "*Best Research Paper Award*" on the assessment of presentation of research papers by a committee of experts in the conferences such as energy meet, national school of quantum mechanics, *etc.* sponsored and organized by the University.

**3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?**

Due weightage is given for each of such recognition while calculating API scores of the incumbents for promotion / selection on different faculty positions. Further such awardees are recommended on their candidature for national level fellowships and awards.

**3.5 Consultancy:**

**3.5.1 What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the university during the last four years:**

The industries have started taking cognisance of the research output of the faculty members of the different department of the University working in the fields of solar energy, information technology, utilization of fly ash for construction of materials, drug discovery & development, waste water treatment, *etc.* Some of the industries have approached to find out remedies of their technical problems related to the process and quality and also for the technology transfer. It has encouraged the university to frame the official policy of the University for such works. However, hitherto the University is providing the services at gratice on procurement of work materials. Some of the worthmentoning industries who approached for the consultancy are DCM Shri Ram Ltd, Shri Ram Rayons, Rajasthan State Industrial Development and Investment Corporation (RIICO), Chambal Fertilizers, *etc.*

**3.5.2 Does the university have a university-industry cell? If yes, what is its scope and range of activities?**

The University-Industry Interaction Cell was established in 2008 to promote linkages with the Industries for following purposes:

- Expert Lectures of Industry Personnels
- Training programmes
- Project works
- Conducting entrepreneurship development programmes
- Placements
- Consultancy Services

**3.5.3 What is the mode of publicizing the expertise of the University for Consultancy Services? Which are the departments from whom consultancy has been sought?**

The specializations and expertises of the departments and faculty members have been provided on the website of the University. The departments of the University *viz.* Chemistry, Physics and Computer

Science have been imparting consultancies to various industries / institutions.

**3.5.4 How does the university utilize the expertise of its faculty with regard to consultancy services?**

Looking to the needs of organization / industry, specific department / faculty member having potential in view of the specialization is entrusted to provide suitable consultancy.

**3.5.5 List the broad areas of consultancy services provided by the university and the revenue generated during the last four years:**

Till now the University has been able to generate revenue through consultancy services using "*Centre for Analytical Instrumentation Facility*". In this analysis of various samples and the interpretations of the findings are provided to incumbent organizations / industries. The revenue generated so far is though meagre (approximately Rs. 1.5 Lakh) yet it has opened up possibility of expanding this dimension. The revenue so generated is deposited in the University account.

**3.6 Extension Activities and Institutional Social Responsibility (ISR):**

**3.6.1 How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years:**

The University recognizes its role and responsibilities towards the society. One of the important steps taken in this direction is that the University has adopted the Dungarjya Village in Digod tehsil of Kota district for its integrated development. Some social outreach programmes are as under:

- Creating awareness about education, environment protection, tourism development, eradication of social evils such as child marriages, dowry system, smoking, gambling, castism, drug addiction, etc.
- Celebrations of *Swachh Bharat Abhiyan*, No Tobacco day, Environment day, Women's day, International Yoga day, etc.
- For discussing and resolving the agricultural problems specially in the Chambal command area of the Hadoti region, a national conference organized by Indian Society of Agricultural Statistics, New Delhi.
- University authorities take part in social, cultural, literary and other programmes of social concern.
- Gender sensitization and Women Empowerment
- Organizing different NSS activities
- Seminars and lectures on social issues

- Blood donation camps
- Inter-college tournaments
- Plantation



**3.6.2 How does the university promote university-neighbourhood network and student engagement, contributing to the holistic development of students and sustained community development?**

The University authorities including the Vice Chancellor and Registrar often visit the neighbourhood schools and colleges to encourage and motivate the students. The University teachers interact with the residents of nearby villages and encourage them to participate in community development. The faculty members of the various departments formally and informally interact with students to motivate them to use their valuable time for the self-development as well as the community development. The University organizes following activities for the holistic development of students:

- Personality Development-Functional Literary, Cultural, Fine Arts, Theatre, Communication skills, *etc.*
- Value Education
- Health and Hygiene
- Games and Sports
- Environmental Concern
- Save Water
- Social Works
- Wildlife Protection
- Computer Literacy
- Energy Conservation

**3.6.3 How does the university promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National / International programmes?**

The University has one NSS unit of 100 students that organizes one day, special, national integrity, pre-republic day parade camps, *etc.* The

NSS unit also conducts the awareness programmes on *Swachh Bharat Abhiyan*, eye donation, eradication of social evils, *etc.* Students of the University are participating in different activities as volunteers at Nehru Yuva Kendra. The University has a provision of giving due weightage of these certificates in preparing of merit at the time of admission.

**3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?**

Social survey and extension works are integral parts of the curricula of M.S.W. and M.A. Development Studies courses, therefore, the students of these courses undertake the social survey and extension works every year. The students of social sciences are doing their research on different issues of social concern. Titles of such research works are given below:

- Social Relevance of Folk Culture with Special Reference to Rajasthan Hela Khayal (2012) - Mrs. Hemlata Mahawar.
- Social Mobilization Through Community Health Workers (A Sociological Study of ASHAS in Three Districts of Rajasthan) (2013) - Ms. Bharti Gaur.
- Social Impacts of Industrial Waste Management (A Sociological and Environmental Study of Lead Zinc Smelter, Putholi) (2013) - Ms. Priyanka Dangi.
- Dimension of Social Change in Saharia Tribe of Rajasthan : A Sociological Analysis (2014) - Mr. Jeetendra Singh.
- Elementary Education and Social Change (Sociological Study with Reference to Communication of Social Values) (2014) - Mr. Surendra Singh Veer.

**3.6.5 Does the university have a mechanism to track the students' involvement in various social movements/activities which promote citizenship roles?**

Students' Union under the guidance, monitoring and tracking of the DSW office is organizing different social movements and activities. Students of various departments are also ensuring their participation in similar activities through Head of the respective departments. Some of these activities are given as:

- Extension lectures on moral values
- Seminars on national security, women empowerment, *etc.*
- Awareness programmes on eradication of social evils
- Blood donation camps
- Activities under *Swachh Bharat Abhiyan*

**3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt:**

The extension activities organized by the University helped the students for inculcating the following values:

- Citizenship values
- Life values
- Secularism
- Gender sensitization
- National integrity
- Pride of Indian Culture and Heritage
- Love for Animal
- Peaceful Coexistence
- Team Spirit

The students have learned the following skills during these extension activities:

- Enhance in the written expression and verbal communication
- Memorisation of the facts and figures
- Computer Skills
- News writing and editing
- Public speaking and report writing
- Event management

**3.6.7 How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities:**

The University has made a provision to induct public representatives, parents, social leaders and representatives of different institutes / organizations in the programme implementation committees and different statutory bodies for their guidance, active involvement and monitoring.

Before launching any community programme, social leaders, local people and NGOs are personally contacted in the process the management personnel of affiliated colleges for their active participation and support to ensure the success of the programme.

- Plantation
- Blood donation
- *Swachh Bharat Abhiyan*
- Income Generation Activities
- Women Health, Hygiene and Safety

- Dissimination of Improved Agriculture Technology (Soil Cards, Composting, Distribution of Seeds of Improved Varieties and Awareness about the Programme)

**3.6.8 Give details of awards received by the institution for extension activities and / contributions to social / community development during the last four years:**

The University received appreciation from the society and Hon'ble Governor of Rajasthan, Shri Kalyan Singh in his public speech on the occasion of his visit at adopted village Dungerjya on March 14, 2016.

**3.7 Collaborations:**

**3.7.1 How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?**

The University departments collaborate with national / international / private institutions / NGOs / industries for student research and project work. Some institutions are providing summer / semester training to the students. This helps the institution in improving the academic environment and placement of the students. The University has been globally recognized for its efforts in the fields of atmospheric science, material science and solar energy. The faculty members of the University are working collaboratively with other reputed universities such as Linkoping University, Sweden; Lyceum University, Philippines, *etc.* The University has received support from Royal Academy of Engineering, UK and FICCI, India under Newton-Bhabha Fund for Higher Education in February 2016.

**3.7.2 Mention specific examples of how these linkages promote:**

- **Curriculum development:**  
The feedback from industry / institutions is presented in the BOS / COS meetings of the departments with thorough discussions for addition / deletion / improvement in the existing curriculum. For examples, some recent topics in the curriculum of M.Sc. Chemistry, M.Sc. Industrial Chemistry, M.Tech. Solar Energy, M.S.W. have been incorporated in both theory and practical papers.
- **Internship:**  
Such linkages have provided a wider range of mentors / supervisors in bigger spectrum of organizations capable of offering internships where students can opt an organization on their own choice.

- **On-the-job training:**  
The faculty members got an opportunity to benefit and get hands-on-practices/trainings in the Universities/institutes/organizations in liaison with the University.
- **Faculty exchange and development:**  
The collaborations promote the faculty/students to share their views and experiences for developing better understanding of the subjects and also have an inculcating genuine research interest.
- **Research:**  
The faculty members are working on some particular issues related to the specific needs of industries and other organizations. Besides, the various central and regional research laboratories also permit the students to use the research facilities available there for completion of summer / semester projects. This helps the students to develop the new ideas and professional skills.
- **Publication:**  
The faculty members and the students prepare the research papers on the basis of knowledge and experience gained and publish them in leading journals of their respective disciplines. The faculty members have published 293 research papers in national / international journals during last four years.
- **Consultancy:**  
The faculty members extend their support and help to industries in identifying and solving the specific problems.
- **Extension:**  
The industry persons are regularly invited in the workshops / seminars to interact with the faculty members and students. The faculty members and students also visit the industries. This helps the University to enhance the extension activities.
- **Student placement:**  
The university is facilitating the students at departmental level and through placement cell to apply for job through advertized vacancies of central / state governments and private organizations. It also helps students to prepare for different competitive examinations. The placement cell of the University through its portal scans different advertizements of the vacancies and brings in the notice of the students. Moreover, the private, public sector organizations and NGOs at their own visit the campus for the

placement of the students. The University also invites the companies for the placement of students on particular dates.



**3.7.3 Has the university signed any MoUs with institutions of National / international importance / other universities / industries / corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?**

• **International MoUs:**

- MoU with Linkoping University, Sweden on climate change.
- MoU with Lyceum University, Philippine: The University teachers and faculty members are benefited by the MoU through the exchange activities.

• **National MoUs:**

- MoU with DCM Shri Ram Ltd., Kota: The students are carrying out their training under the MoU.
- MoU with UGC-HRDC, Jodhpur: University has organized an Orientation Programme during 15 February-12 March, 2016 for the College and University teachers. Further, a Refresher Course will also be organized under the MoU in May-June 2016.

**3.7.4 Have the university-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?**

As a result of the active interaction with other universities and organizations, the University has initiated the establishment of Entrepreneurship Development and Small Business Management Centre in the campus.

## **CRITERION-IV**

### **INFRASTRUCTURE AND LEARNING RESOURCES**

#### **4.1 Physical facilities:**

##### **4.1.1 How does the university plan and ensure adequate availability of Physical infrastructure and ensure its optimal utilization?**

Keeping in view the availability of land, the University has already prepared its perspective plan and layout for future development. This perspective plan and layout were prepared by experts in consultation with the University personnels and approved by Building Committee which includes senior representatives from PWD, PHED, JVVNL and Town Planning Department apart from representatives from the University as per composition of the Committee.

The requirement of physical infrastructure is assessed at individual departmental level in view of the number of courses offered, number of research projects running, number of students and faculty members. The proposals so received from each department are assessed and efforts are made to meet the requirements by sharing and optimally utilizing existing facilities by the different departments and developing new facilities following rules and regulations. This process continues when new courses are offered by the University and till new facilities are created for additional requirement.

The construction of buildings of Department of Heritage, Physical Education and Students' Hostel are in progress. The construction of office of the DSW and Students' Union has also been approved by the University. The details of the various buildings (constructed and approved for construction) in the University are as under:

<b>S. No.</b>	<b>Building</b>	<b>Area in Sq. M.</b>	<b>Construction Cost in Lacs</b>	<b>Status</b>
1	Vice Chancellor Secretariat	1708.00	151.00	Completed
2	Examination Block	5415.00	362.73	Completed
3	Administrative Block	4765.00	339.41	Completed
4	Academic Block	7150.00	703.00	Completed
5	Vice Chancellor Residence	1294.00	533.60	Completed
6	Guest House	2295.00		Completed
7	School of Heritage, Museology and Archaeology	3208.50	521.00	In progress
8	Sports Complex	7844.00	1225.00	In progress
9	Student Hostel	3946.00	720.00	In progress
10	DSW / Students' Union	1871.00	483.09	Approved*
11	Central Library	4385.00	1129.70	Approved*

\* Approved for construction



**4.1.2 Does the university have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives:**

After due assessment of the requirement, the University considers the proposals for construction, enhancement and modification of the infrastructure facilities for promoting a good teaching-learning environment. Some of the recent initiatives in this process are the construction of School of Heritage, Museology and Archaeology, Sports Complex, Hostel buildings. The University has provided smart board, LCD projector, computer, and analytical instruments to all the Departments. The recent initiatives taken by the University are as under:

- Wi-Fi facility in the campus
- Upgradation of the laboratories
- Establishment of the Language lab.
- Installation of the 100 KW solar power plant

**4.1.3 How does the university create conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?**

The University provides computer / laptop to its faculty members so that they may carry out their research activities easily. The University has created research laboratories, wi-fi facility and e-library from its resources to strengthen the research environment. Funds received from UGC, DST, DST-FIST, CSIR, *etc.* are also utilized to create the experimental and computing facilities. The University has sanctioned minor research projects to the young assistant professors.

**4.1.4 Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?**

Yes, office room, common room and separate rooms for women students have been provided by the University.

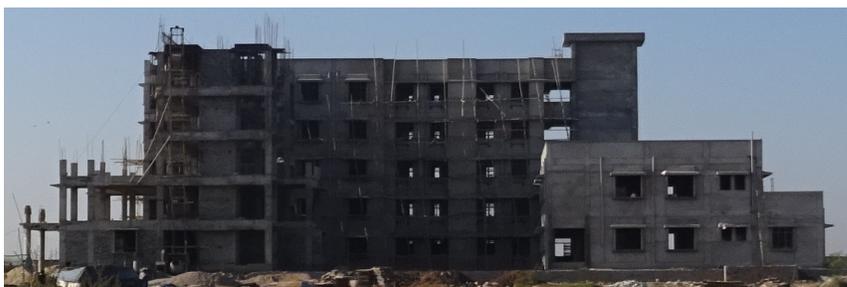
**4.1.5 How does the university ensure that the infrastructure facilities are disabled friendly?**

The Building Committee and Cell for Differently Abled Persons ensure that the infrastructure facilities are developed for disabled persons in the old and newly constructed buildings. Further, the classes and examinations of the disabled students are arranged on the ground floor. Following special facilities are being provided to differently abled persons in the campus.

- Ramps
- Crutches
- Hearing aids
- Wheelchairs
- Walking sticks

**4.1.6 How does the university cater to the requirements of residential students? Give details of residential accommodation for students:**

The construction of a 5 floor (G+4) boy's hostel of capacity 135 is about to complete in the campus. The University has also proposed to construct a girl's hostel in the campus.



**4.1.7 Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?**

Presently, no student and staff is living in the campus, however, facility of part-time medical officer and Govt. Medical College and Hospital apart from empaneling a number of private hospitals for medical aid has been provided by the University. The teaching and non-teaching staff of the University are covered under medical insurance policy.

**4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events / activities?**

The University is committed for all-round development of the students for which it is constructing well-developed modern sports complex having facilities of many indoor and outdoor games. For literary, cultural and theatre activities, open air stage, auditorium with capacity 250, conference hall with capacity 180 and meeting hall with capacity

150 are available in the University. The University regularly organizes sports and cultural activities in the campus and promotes students to participate at state and national level competitions.

## 4.2 Library as a Learning Resource:

### 4.2.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student / user friendly?

The University has a Library Committee as under:

▪ Prof. Ashu Rani	Convener
▪ Prof. Reena Dadhich	Member
▪ Dr. Saurabh Dalela	Member
▪ Mr. K.R. Choudhary	Member
▪ Mr. Ashish Asopa	Member
▪ Registrar	Member
▪ Finance Office	Member
▪ Dr. Anna Kaushik	Member Secretary

To make the library a learning and knowledge centre, the Committee has taken several initiatives, such as-

- (a) Number of library cards and number of books to be issued to the readers were decided,
- (b) Smooth circulation of the books,
- (c) Library automation, *etc.*

Further, a spot purchase committee has also been constituted by the University to speed up the procurement process for books.

### 4.2.2 Provide details of the following:

S. No.	Items	Specifications
1.	Total area of the library	20.54m x 17.77m= 364.9958 sq.m
2.	Total seating capacity	35 students
3.	Working hours	10:00 A.M. to 5:00 P.M.
4.	Floor plan and Display Boards	Display boards are available
5.	Over all plan	<ul style="list-style-type: none"> <li>• E-library is available for accessing e-resources.</li> <li>• Separate sections for reference, text books and periodicals are available.</li> <li>• A separate library building to be</li> </ul>

		<p>constructed in the campus.</p> <ul style="list-style-type: none"> <li>Ramps / lift facility for disabled persons are proposed in the separate building of the library.</li> </ul>
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#### 4.2.3 Details of the library holdings:

- Print (books, back volumes and thesis) : 12699
  - Books : 12129
  - Back Volumes : 350
  - Theses : 220
- Average number of books added during the last three years: 1217
- Non Print (Microfiche, AV) : Nil
- Electronic (e-books, e-journals) and special collections: 6684

#### 4.2.4 What tools does the library deploy to provide access to the collection?

Item	Specification
OPAC	Yes
Electronic Resources Management package for e-journals	Yes
Federated searching tools to search articles in multiple databases	Yes
Library Website	Yes, <a href="http://www.uok.ac.in/library_website/home.html">http://www.uok.ac.in/library_website/home.html</a>
In-house/remote access to e-publications	Yes, in-house access to e-publications

#### 4.2.5 To what extent is ICT deployed in the library? Give details with regard to Central library:

Item	Specification
Total number of computers for general access	25
Total numbers of printers for general access	5
Internet band width speed	1GBPS
Repository of rare books	Yes
Content management system for e-learning	Yes
Participation in resource sharing networks/consortia	Yes

#### 4.2.6 Provide details (per month) with regard to Central library:

Item	Specification
Average number of walk-ins	2000 (per month)
Average number of books	600

issued/returned	
Ratio of library books to students enrolled	1:12
Average number of books added during the last four years	1491
Average number of login to OPAC	--
Average number of login to e-resources	IP based access
Average number of e-resources downloaded / printed	240 (per month)
Number of IT literacy trainings organized	2: Access to e-resources during 16-17 Dec. 2013 and Training programme on access to e-books from 10-11 Nov. 2014.

**4.2.7 Give details of specialized services provided by the library with regard to**

Manuscripts	No
Reference	Yes
Reprography/Scanning	Yes
Inter-library Loan Service	Yes (Delnet)
Information Deployment and Notification	Yes
OPACS	Yes
Internet Access	Yes
Downloads	Yes
Printouts	Yes
<i>Reading list / Bibliography compilation</i>	--
In-house/remote access to e-resources	In-house access to e-resources
User Orientation	Symposium on access e-resources)
Assistance in searching Databases	Link provided on UOK, e-library website and circulars
INFLIBNET/IUC facilities	UGC-INFONET Digital Library Consortium membership) nowadays under <i>E-ShodhSindhu</i>

**4.2.8 Provide details of the annual library budget and the amount spent for purchasing new books and journals:**

<b>Budget Head / Year</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
Annual Budget (in Lakh)	100.00	60.50	117.00	177.00
Actual Expenditure (in Lakh)	18.06	31.70	14.16	11.79

**4.2.9 What initiatives has the university taken to make the library a 'happening place' on campus?**

University central library has organised following orientations and other programmes to provide comprehensive services to the students and faculty members:

- Five-day Regional Training Programme on Library Automation (IRTPLA) in collaboration with INFLIBNET during 16-20 December, 2013.
- Two days Symposium on Access of E-resources from 16-17 December, 2013. Mr. Manoj Kumar, Scientist-D (CS), INFLIBNET Centre has delivered special lecture on INFLIBNET Centre's activities & services.
- Book fairs are organized open to students and other stakeholders and books suggested and selected by the students & faculty members are included in the titles purchased of Rs. 30.70 Lakh.
- Two days programme from 10-11, November, 2014 on access of e-books. Mr Gaurav Choudhary, Business Development Officer delivered a presentation on how to access e-books.
- Students' essay and poem writing competition on the occasion of Hindi Diwas on 14<sup>th</sup> September, 2014 for promoting the use of Hindi language.

**4.2.10 What are the strategies used by the library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library services?**

Verbal feedback is being taken from time to time by Central Library staff members and necessary measures are being made accordingly for the betterment of the library services. E-library feedback system operated by Inlibnet and E-books portal is functional in the University which gives a comprehensive measure of the applications / users for improving the library service strategies. Ph.D. scholars of the Library Science are also promoted to select the topics related with library services and submit the survey report through questionnaires for users' feedback analysis.

#### **4.2.11 List of efforts made towards the infrastructural development of the Library in the last four years?**

- A separate building for Central Library has been approved by the Building Committee of the University and budget of Rs. 1129.70 Lakh is already approved for the purpose. MoU with RSRDC for the construction of the library building is under process.
- Central Library has automated the library services using SOUL 2.0 software.
- Computers and Wi-Fi facility with 1gbps internet connectivity.
- Student supportive literature searching facility.
- Linking of the University library with Inflibnet and Delnet.
- Computer facilities for accessing E-books
- Facilities for multi-user applications for E-books and E-journals
- Linkage with NPTEL knowledge resources

### **4.3 IT Infrastructure:**

#### **4.3.1 Does the University have a comprehensive IT policy with regard to**

- IT Service Facility : Yes
- Information Security : Yes
- Network Security : Yes
- Risk Management : Yes
- Software Asset Management : Yes
- Open Source Resources : Yes
- Green Computing : Yes

The University has a comprehensive IT policy and the IT Cell is working on broad parameters of the IT Policy.

#### **4.3.2 Give details of the University's computing facilities i.e. hardware and software:**

The University is connected with 1GBPS Wi-Fi connectivity. The library is equipped with free Internet and Wi-Fi facilities for the students and the faculty members. Students / research scholars / faculty members are also utilizing the Wi-Fi services in the campus for their academic enrichment. The details of the computing facilities are as under:

- Number of systems with the individual configuration : 150
- Computer Student Ratio : 1:8
- LAN Facility : Yes
- Number of Nodes with Internet Facility : 125

- Proprietary Software:

S. No.	Name of Proprietary Software	Department
1.	NOVA 3.2	Chemistry
2.	CRYSTAL14	Physics
3.	VASP 5.2	Physics
4.	Window 7 Operating system	Computer
5.	Window 8 Operating System	Computer
6.	Window 10 Operating System	Computer
7.	SOUL 2.0	Library

#### 4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Computer systems with latest configuration are procured from time to time to keep the faculty and students acquainted with the latest technology. The Latest versions of software like CRYSTAL, VASP, NOVA, Windows, SOUL, *etc.* have been purchased for advanced computing. The workshops / seminars on Software, Tools & Testing, Global Internet Governance-Opportunities & Challenges and Recent Computational Trends and Techniques in Computer Science have been organized by the University in the recent past. The University has two workstations one in the Department of Pure & Applied Physics and one in the Department of Computer Science & Informatics for fast computing.



#### 4.3.4 Give details to access to online teaching and learning resources and other knowledge and information database / packages provided to the staff and students for quality teaching, learning and research:

- The University has 1 GBPS bandwidth to share the information in the campus.
- E-journals consortium service of UGC Infonet has been made available to the University through INFLIBNET.

- NPTEL database link is available on the University website.
- E-Resources (Journals / Books) available in the central Library of the University.
- Workstations and software operated instruments are available in the departments of chemistry, physics and computer science.
- Smart classrooms having smart boards, projectors, computers, scanners, and image readers are available in all the departments.
- Video conferencing facilities are arranged regularly.

In addition to the facilities provided by the University, many faculty members generate teaching and learning resources for theoretical and practical teaching in the form of softwares, instrumental working procedures, manuals, literature reviews, *etc.* under their research projects and apply them as teaching tools in PG and UG classes as well as Ph.D. courseworks.

#### **4.3.5 How does the university address issues such as authenticity and copyright with regard to online resources that lie outside the university?**

The University uses only those online resources which are authentic and do not violate the copyright. For instance, the University uses the online resources which are of government agencies and other agencies of national and international repute.

The information available on University website is quite secured. The University ensures lawful use of electronic access.

#### **4.3.6 What are the new technologies deployed by the University in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?**

The following new technologies have been deployed during the last 4 years to enhance student learning and evaluation:

- Smart classrooms
- Micro-teaching methodology
- Interactive learning sessions
- Cognitive development
- Functional teaching Development and deployment of computer facilities and wide network in the campus.
- Enhancement of internet bandwidth to make high speed internet surfing.
- Establishment of language lab for improvement of communication skills.
- Addition of specialized software such as CRYSTAL, VASP, NOVA, Windows, SOUL, *etc.*

The University has a strong inclination towards the use of new technologies as per the global needs. The departments are regularly organizing the seminars, symposia, extension lectures, *etc.* on recent developments in the subjects using new technologies in the classroom. The students, scholars and faculty members of the University are regularly using the online journals facilities of the central library. The computer based technologies are being used in almost every segment of the University.

**4.3.7 What are the IT facilities available to individual teachers for effective teaching and quality research?**

The following IT facilities are available in the University for effective teaching and quality research:

- The University teachers have laptops and IT facilities.
- The latest operating systems and software have been provided to the faculty members.
- The departments have research oriented software for advanced research.
- The central library has e-resources, journals and books and these are available to the teachers with free internet and Wi-Fi facilities.

**4.3.8 Give details of ICT-enabled classrooms / learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?**

The conventional blackboards are being utilized by the faculty members, however, some of the departments have ICT enabled smart boards for the quality of teaching and learning. University has provided internet connection to all teachers, students, research scholars and the administrative staff of the University via BSNL (1GBPS) broadband connectivity. The University Department of Computer Science and Informatics has conducted many training programmes / workshops for the academic enrichment of the students and staff for improving computer efficiency. The ICT enabled teaching aids have also been significantly contributing to enhance the quality of teaching and learning in the campus.

**4.3.9 How are the faculty assisted in preparing computer aided teaching-learning materials? What are the facilities available in the university for such initiatives?**

The faculty members are using ICT in teaching-learning process by taking help of computers, high-speed internet and computing software for their own teaching modules. The University organizes training programmes/workshops to enhance the computer skills. The University has recently organized an orientation programme and a refresher

course on ICT based applications for enhancing the skills and expertise of faculty members.



**4.3.10 How are the computers and their accessories maintained?**

The computers and accessories are maintained through Annual Maintenance Contract (AMC) / Comprehensive Maintenance Contract (CMC).

**4.3.11 Does the University avail of the National Knowledge Network connectivity? If so, what are the services availed of?**

The University has National Knowledge Network connectivity comprising of:

Network & Network Equipments	400 IOs with 30+ switches, 35+ Wi-Fi access points, routers and other network equipments for the dedicated network of 400+ LAN points.
NKN Facility	EI Layer 3 Switch with 2 interface sots software version 5.2. All the buildings of the campus is connected with optical fiber and accessing NKN resources on NKN.
Firewall	Rejous (D link) firewall is installed in server room, certain sites are blocked. Open Source Resources: The institute has a policy to promote Free Open Source Software (FOSS) wherever possible.

**4.3.12 Does the University avail of web resources such as Wikipedia dictionary and other education enhancing resources? What are its policies in this regard?**

Faculty memebers very often refer to Wikipedia dictionary and other education enhancing resources available on internet. They are

encouraged to verify for the authenticity of the content. The IT policy has already been framed which is being followed by the University.

**4.3.13 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the University.**

The existing computer facilities are maintained through AMC/CMC and their technical configuration is updated as and when need arises through authorised technical person/agencies.

**4.3.14 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?**

Transparency and open environment of information in the teaching-learning process is the prime concern of the University. According to the University plan, all relevant materials are uploaded on the University website for transparency and open access to all concerned. All information related to the students are published regularly in the prospectus of the University. Some of the efforts are as follows:

- All the syllabi of the programmes are regularly uploaded on the University website after revision and approvals.
- Subject wise teaching plans, examination schemes and model question are available online on the University website.
- The admissions in the University teaching programmes are given through online process.
- University examinations results, marks sheets and related informations are available on the University website and [indiaresult.com](http://indiaresult.com)
- Act, Ordinances, Rules, *etc.* related to University working are available online for the students.
- The students are trained to learn through lectures, problem solving sessions, practical working models and videos available online.

**4.4 Maintenance and Campus Facilities:**

**4.4.1 Does the University have an estate office/designated officer for overseeing the maintenance of buildings, class rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.**

Yes, University has an Estate Office for construction and maintenance of physical infrastructure such as buildings, roads, water and power supply. The Estate Office has an Estate Officer, Junior Engineer and supporting staff. Some of the recent initiatives such as landscaping and plantation, installation of false ceilings, face lifting of old buildings,

whitewash and distemping and maintenance of laboratories have been taken by this office.

The physical ambience is being taken care of by Estate Office, installation of Statues, National Flag, Indication and Sign Borads, fencing, road lights, parking shade, etc.

**4.4.2 How are the infrastructure facilities, services and equipments maintained? Give details**

The maintenance of computers and scientific equipments is done by manufacturers or agencies under AMC / CMC. The budget allocation (amount in Lakh) in last four years is as follows:

Different Heads	2012-13	2013-14	2014-15	2015-16
Buildings	2.50	66.00	50.00	1.00
Repair of Roads	--	--	--	--
Contractual Services (Budget for repair of Road Lights and Operation of DG Set)	82.00	92.00	120.00	140.00
MSR Fund	--	--	--	--
Furniture & Computers	2.00	7.00	2.00	11.00
Equipment's				
Transport	3.50	5.00	4.00	3.00
<b>Total Amount (in Lakhs)</b>	<b>90.00</b>	<b>170.00</b>	<b>176.00</b>	<b>155.00</b>



## **CRITERION-V**

### **STUDENT SUPPORT AND PROGRESSION**

#### **5.1 Student Mentoring and Support:**

##### **5.1.1 Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?**

The University has well defined democratic system for student support and mentoring at the level of various administrative heads of the departments right from admission to the exit points.

- Office of the Dean, Students' Welfare addresses the issues related to discipline, students' welfare, students' union election, extra-curricular activities, students' amenities, *inter-alia* following cells are also functioning
  - Anti-ragging Committee
  - Monitoring cum Anti-ragging Cell
  - Anti-ragging Squad
  - Students' Grievance Redressal Cell
  - Women Cell
  - Cell for Differently Abled Persons
  - Equal Opportunity Cell
  - Placement and Counseling Cell
  - NSS Unit
  - Legal Cell
- Office of the Dean, PG Studies is catering to the needs of opening of new courses / departments, formulation of rules for admissions, fee structure, scholarships and fellowships, academic calendar and monitoring of teaching activities. There are following cells / committees supporting academic activities:
  - Library Committee
  - *Hindi Prakoshtha*
  - University-Industry Cell
  - Entrepreneurship Cell
  - UGC Cell
  - IPR Cell
  - IT Cell

##### **5.1.2 Apart from class room interaction, what are the provisions available for academic mentoring?**

- The Ph.D. scholars of the departments do function as academic mentor of the PG students in the departments.
- Students receiving DST-INSPIRE fellowships are provided with the mentors as per the requirement of the fellowships.

- The University provides mentorship through field works, seminars, symposia, industrial training and other skill development programmes.
- Academic tour / field trip in-charges mentor the students during and after such tour / trip activities.
- The postdoctoral fellows / woman scientists are provided with academic mentor.
- Students are encouraged to interact with the experts to remove their doubts and difficulties and also for knowing the advanced ideas during these events.
- At PG level, the students are encouraged to submit students' projects to DST, Rajasthan under mentorship of faculty members.

**5.1.3 Does the university have any personal enhancement and development schemes such as career counseling, soft-skill development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.**

Office of the Dean, Students' Welfare and other cells / committees of the University are ensuring due counseling and conduct of different activities like

- Organizing career camps and counseling sessions on regular basis.
- Organizing extension / expert lectures on current of national interest and personality development.
- Developing soft skills through extra-curricular activities.
- Functional language lab for improving communication skills.
- Hindi Prakoshtha for improving interest and proficiency in Hindi language.
- Health status awareness activities and nutritional advancement to the students.

**5.1.4 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?**

Needy students are recommended to the different nationalized banks for facilitating financial aid in form of soft loan for pursuing their studies in smooth way.

**5.1.5 Does the university publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?**

Yes, the University prospectuses is uploaded on the University website which includes the departmental profile, courses run and their fee

structure, admission rules and regulations, achievements of the students and faculty members, *etc.* The University Act and Ordinances are also uploaded on the University website.

**5.1.6 Specify the type and number of university scholarships / freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG / PG / M.Phil. / PhD / Diploma / others.**

- Arrangements have been made to provide Rs. 4000 per year to the topper students by the DCM Shri Ram Ltd.
- Sports awards of Rs. 51000/-, 31000/- and 21000/- are given to the winners of Gold, Silver and Bronze medals respectively of inter-college / inter-university tournaments.
- University is facilitating the awards of scholarships / freeships to the eligible students as per the centre / state govt. norms / rules.



**5.1.7 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?**

Name of Scholarship	Scholarship provided by	Application filled by the students in 2015-16
Scheme of PMS, Book bank & up gradation of merit of SC students	Ministry of Tribal Affairs, Govt. of India	1

Central Sector Scheme of Scholarship for college and university students	Department of Higher Education Govt. of India	3
Merit cum means Scholarship	Minority Department Govt. of Rajasthan	1
Post-metric Scholarship	Govt. of Rajasthan	100 (2012-13) 147 (2013-14) 114 (2014-15) 149 (2015-16)

**5.1.8 Does the university have an international student cell to attract foreign students and cater to their needs?**

The offices of the Dean, PG Studies and Students' Welfare are performing the functions of the International Student Cell. The major areas where assistance is provided as under:

- Counseling in the due admission process in the University.
- Providing accommodation facilities.
- Adjustment with peer groups
- Removing the problems related to language and cultural differences.
- Health and insurance related formalities.
- Providing academic mentorship.

**5.1.9 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?**

Same as 5.1.4.

**5.1.10 What types of support services are available for**

- **Overseas students:**
  - Lecture recording permission
  - Health and medical facility
  - Social security and safety.
- **Physically challenged / differently-abled students:**  
Cell for Differently Abled Persons is working for their overall care of these students. The University provides infrastructural facilities, writer in the examinations, reservation in the admissions, etc.
- **SC/ST, OBC and economically weaker sections:**  
The University is supporting to such students through office of the Dean, PG Studies, DSW, Proctor and Equal Opportunity Cell. For economically weaker section specially those who are not getting any fellowships from any agency, the University gives special permission to deposit their course fee in instalments.

- **Students participating in various competitions/conferences in India and abroad:**

There is a provision to provide financial assistance to the students participating in all the sports and games competitions, youth festivals, youth parliament, conferences at national and international level.

- **Health centre, health insurance, etc.**

University has appointed one medical officer on contract / on call basis for providing on campus health facility. In the vicinity of the campus, a Govt. medical college and hospital is situated for 24x7 medical facilities. The University has recognized a number of good multi-speciality hospitals in the town for providing medical facilities to the employees. The reimbursement of medical expenditure incurred is made as per Govt. of Rajasthan rules. The University has ensured all the employees for their medical treatment.

- **Skill development (spoken English, computer literacy, etc.):**

The University is committed for enhancing communication skill, computer literacy, personality development, etc. through various platforms provided by the University departments, cells, etc.

- **Performance enhancement for slow learners:**

Problem solving/practice sessions and extra/tutorial classes are arranged for the slow learners by the academic departments.

- **Exposure of students to other institutions of higher learning / corporate / business houses, etc.:**

Industrial visits, field trips, interaction with senior experts / executives of corporate houses, visits of students to well established laboratories / plants / research organizations are arranged.

- **Publication of student magazines:**

A quarterly news letter "The Mirror" of the University is being published which includes the contribution / activities of the students also.

**5.1.11 Does the university provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defense Services, NET/SET and any other competitive examinations? If yes, what is the outcome?**

- The coaching for NET, SET, GATE is provided to the students through their academic departments.

- Wherever possible special time slot is allotted in time-table for covering course content.
- Hindi Prakoshtha and language lab are preparing students for language proficiency.

As a result, the University students are getting success in such national level competitive examinations.

**5.1.12 Mention the policies of the University for enhancing student participation in sports and extra-curricular activities through strategies / schemes such as additional academic support and academic flexibility in examinations; special dietary requirements, sports uniform and materials and any other?**

The University is a member of Association of the Indian Universities and has been participating in all India inter-university sports and games competitions since its inception.

- The University has statutory body "University Sports Board" governing and regulating the sports and games activities in the entire jurisdiction of the University.
- The Sports Board ensures that the requirements in terms of special diets, uniforms and materials, equipments, prizes, *etc* are fulfilled.
- The sports calendar of the University is adhered to organize inter-college sports activities to select university team for inter-university tournaments.
- For academic support, special coaches from other sports bodies / associations / institutes are invited to train the sports students.
- As a part of extra-curricular activities, several sports and games activities are regularly organized by the Students' Union of the University.
- The University provides relaxation to the students representing the university / state / country in attendance and internal examinations along with financial support.
- The University also provides cash prizes and certificates of appreciation to the medal winners in inter-college and inter-university tournaments.

**5.1.13 Does the university have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare them for interview, and develop entrepreneurship skills?**

Placement & Counseling Cell and Enterpreneuership Cell initiate such activities with support and involvement of different departments and faculty members and coordinate in collaboration with industries /

prospective employers / entrepreneurs to motivate and prepare students to become job provider rather than job seeker. Such efforts also result in overall grooming and brooming the personality of the students to secure suitable jobs in various government / private organizations.

**5.1.14 Give the number of students selected during campus interviews by different employers / recruited by various State / Central government agencies (list the employers and the number of companies who visited the campus during the last four years):**

**• Department of Pure & Applied Chemistry:**

S. No	Candidates Name	Organization Name	Location
1.	Shashi Kant Verma	Education Department Govt. of Rajasthan	Kota
2.	Ritu Goyal	Education Department Govt. of Rajasthan	Kota
3.	Kapil Regar	Education Department Govt. of Rajasthan	Kota
4.	Deepak Nakwal	Education Department Govt. of Rajasthan	Kota
5.	Rakesh Mehta	Education Department Govt. of Rajasthan	Kota
6.	Chandra Prakash Nagar	Education Department Govt. of Rajasthan	Kota
7.	Madan Mohan Meghawal	Education Department Govt. of Rajasthan	Kota
8.	Ravi Kant Verma	Education Department Govt. of Rajasthan	Kota
9.	Ashok Kumar Bargotya	Education Department Govt. of Rajasthan	Kota
10.	Prabha Sharma	Education Department Govt. of Rajasthan	Kota
11.	Rakesh Nagar	Education Department Govt. of Rajasthan	Kota
12.	Bhagwan Swaroop Suman	Education Department Govt. of Rajasthan	Kota
13.	Deepti Verma	Education Department Govt. of Rajasthan	Kota
14.	Amit Kumar Sharma	Education Department Govt. of Rajasthan	Kota
15.	Aarti Prajapati	Education Department Govt. of Rajasthan	Kota

16.	Vikas Agrawal	Panjab National Bank	Jaipur
17.	Nupur Jain	Gurukul Engineering, Kota	Kota
18.	Satish Kr.Patidar	HZL, Chittorgarh	Chittorgarh
19.	Govind Singh	HZL, Chittorgarh	Chittorgarh
20.	Vishnu Devi Saharia	Rajasthan Technical University, Kota	Kota
21.	Sonia Mehendiratta	Motion IIT, Kota	Kota
22.	Deepak Nandwan	Vidhya Sagar Coaching Pune	Pune
23.	Aashish Shringi	Neelam Aqua, Rawatbhata	Rawatbhata
24.	Atique Mohammed Mensoory	Career Point Ltd., Kota	Kota
25.	Avinash Kumar Srivastava	Career Point Ltd., Kota	Kota
26.	Aravinda Malav	Vedanta Group of Industries	Rudrapur.
27.	Komal Jhamnani	IISER, Bhopal	Bhopal
28.	Lalit Kumar Dhamu	Shree Cement Ltd., Jobner	Jobner
29.	Mahaveer Verma	Neelam Aqua, Rawatbhata	Rawatbhata
30.	Shweta Chauhan	Neelam Aqua, Rawatbhata	Rawatbhata
31.	Shobhagmal Meena	Food Corporation of India	Delhi
32.	Nirmal Kumar Sahu	NCB, New Delhi	Delhi
33.	Pukhraj Suman	MAIT, Kota	Kota
34.	Charoo Sharma	Shiv Jyoti Convent, Kota	Kota
35.	Deepak Nandwana	Career Point LTD., Kota	Kota
36.	Vijay Soni	J.K. White Cement, Gotan	Gotan
37.	Gaurav Singh	DSCL Ltd., Kota	
38.	Kovid Gupta	TTK.. Jaitpura, Jaipur	Jaipur
39.	Satyendra Kumar Malav	J.K. White Cement, Gotan	Kota
40.	Eigor Sharma	DSCL Ltd., Kota	Kota
41.	Anurag Sharma	DSCL Ltd., Kota	Kota
42.	Meenaxi Vijay,	Miranda College, New Delhi	New Delhi
43.	Bhartiya Sharma,	University of Kota	Kota
44.	Shweta Saxena	Maa Bharti PG College, Kota	Kota
45.	Monika Dakshene	Govt. PG. College, Kota	Kota
46.	Chitralkha Khatri	DST Lab., Bangalore	Kota
47.	Manju Yadav,	Govt. PG. College, Kota	Kota
48.	Deepti Jain	Gautam Budha University	Noida
49.	Renu Hada	South Guj. University	Patan
50.	Manju Meena	Govt. PG. College, Kota	Kota
51.	Nimesh Arya	Govt. JDB College, Kota	Kota
52.	Anoop Sharma	DCM Shriram Rayons, Kota	Kota
53.	Rajendra Mehta	Ayush Vibhag , Rajasthan	Jaipur
54.	Manish Prajapti	Ayush Vibhag , Rajasthan	Jaipur

55.	Deepika	KV, Luknow UP	Luknow UP
56.	Shweta Parihar	II grade Teacher Rajasthan	Kota zone
57.	Sarita Meena	DAV school Kota	Kota
58.	Chakarveer Singh	HZL, Chitorgargh	Chitorgargh
59.	Giriraj Nagar	Rail Coach Factory	Kapurthala
60.	Shicharan	Shiv shakti, Rawatbhata	Rawatbhata
61.	Amit Dadhich	Shiv shakti, Rawatbhata	Rawatbhata
62.	Devendra Malav	Shiv shakti, Rawatbhata	Rawatbhata
63.	Subham Sharma	Shiv shakti, Rawatbhata	Rawatbhata
64.	Pawan Sharma	Coromandal Ltd. Kota	Kota
65.	Bhaskar Triphati	Coromandal Ltd. Kota	Kota

• **Department of Pure & Applied Physics:**

S. No.	Candidates Name	Organization Name	Location
1.	Surendra Nagar	Rajasthan Atomic Power Plant	Rawatbhata
2.	Rahul Rathore	Saha Institute of Nuclear Physics	Kolkata
3.	Piyush Parashar	MNRE Sponsored Project, IIT Delhi	IIT Delhi
4.	Harish Malav	Govt. Polytechnic College	Baran
5.	Meenakshi Bhatia	ICICI Bank	Kota
6.	Vikas Gaurav	Deptt. of Edu., Govt. of Rajasthan	Jhalawar
7.	Ravi Shankar Meena	Deptt. of Edu., Govt. of Rajasthan	Tonk
8.	Manish Kumar	Deptt. of Edu., Govt. of Rajasthan	--
9.	Hukmi Chand Sutar	Career Point University	Kota
10.	Sonam Kumari	Career Point University	Kota

• **Department of Computer Science & Informatics:**

S. No.	Name of Candidate	Organization Name	Designation
1	Mahendra Pal Singh	State Bank of India	Probationary Officer
2	Chandra Singh	Bank of Baroda	Probationary Officer
3	Atul Dadhich	Accenture	Developer
4	Deepika Soni	Wipro	Software Engineer
5	Yashwanti	State Bank of India	Branch

	Sharma		Manager
6	Rahul Kumar	Navodya Vidyalaya	Computer Teacher
7	Amit Kundu	CRPF, Govt. of India	CRPF
8	Govind Singh Gurjar	Rajasthan Government	Head Constable
9	Hari Om	DOIT, Govt. of Rajasthan	Information Assistant
10	Aditya Rajput	B24 e-solutions, Jaipur	Software Engineer

• **Department of Commerce & Management:**

S. No.	Name of Candidate	Organization Name	Designation
1	Dheeraj Yadav	Vaanix Ind. Pvt. Ltd	BDM
2	Munish Kumar Dhakar	Axis Bank	BDE
3	Bhupendra Singh	Dhanush Engg. Services India Pvt. Ltd.	Marketing and Human resource Executive
4	Satish Chaturvedi	Shriram General Insurance Company Limited	Management Trainee-Marketing
5	Shilpi Singhal	IFA Education Institutions	Counselor
6	Kinshuk Saraswat	GE Capital	Team Leader
7	Pradep Singh	Axis Bank	Business Development Ex
8	Geeta Rajput	Allen Career Institute, Kota	HR Executive
9	Mahesh Kumar Swami	Piramal Point of Care	---
10	Munish Kumar Dhakar	Axis Bank	BDE

• **Department of Social Sciences:**

S. No.	Name of Candidate	Organization Name	Designation
1	Manoj Kumar Sharma	Advertisement Dept.	M.D.
2	Harish Gurbaxni	Ministry of Social Justice	Chair Person
3	Asma Khan	Medical & Health	District I.E.C. Coordinator

4	Fateh Singh	SAMS Delhi	Vaccine Cold Chain Manager
5	Pramod Kumar	Geography	Private Lecturer
6	PushpaMeena	Geography	LIC Officer
7	Ankur Chaturvedi	Hindustan Zinc	Project Officer
8	Ankush Bhardwaj	School Education	II Grade Teacher
9	Surendra Awasthi	School Education	II Grade Teacher
10	Shasikant	School Education	II Grade Teacher

• **School of Heritage, Tourism, Museology and Archaeology:**

S. No.	Name of Candidate	Organization Name	Designation
1	Gaurav Bharadwaj	Air India, New Delhi	Customer Relation Manager
2	Archana Sisodia	Travel Agency, New Delhi	Reservation Manager
3	Rinkesh	Anklank Shodh Sansthan, Kota	Manuscript Conservator

• **Department of Physical Education & Sports:**

S. No.	Name of Candidate	Organization Name	Designation
1	Ashish Saxena	Govt. Sr. Sec. School, K. PuraTakiya, Kota	PET
2	Ganesh Sharma	Govt. Sr. Sec. School, Dausa	PET
3	Mohd. Aslam	Govt. Sr. Sec. School, Sadri	PET
4	Avinash Kumar	Govt. Sr. Sec. School, Kota	PET
5	Mohd. Imran	Govt. Sr. Sec. School, Akola, Chittorgarh	PET
6	Prasun Sharma	Govt. Sr. Sec. School, Singhpur, Chittorgarh	PET
7	Arjun Singh	Govt. Sr. Sec. School, Baingu, Chittorgarh	PET
8	Mrigendra Singh	Govt. Sr. Sec. School, Lalpura, Bundi	PET
9	Ajit Kumar	Govt. Sr. Sec. School, Sanganer, Jaipur	PET
10	Kailash Meena	Govt. Sec. School, Pidawa, Jhalawar	PET

**5.1.15 Does the university have a registered alumni association? If yes, what are its activities and contributions to the development of the university?**

The alumni association of the University has been constituted and membership drive is in process. Once requisite membership is achieved, a convention will be organized and process of registration will be initiated.

**5.1.16 Does the university have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?**

The student grievance redressal cell takes prompt action on the grievances received from the students. Complaint and suggestion boxes have been installed at prominent locations in the campus. Written suggestions are read periodically and addressed by the concerned department / section. Major grievances pertain to the following departments are as under:

- (i) Shortage of number of counters for the deposition of fee during peak days.
- (ii) Advance declaration of results and issuance of advance mark sheets.
- (iii) Re-scheduling of the examinations and re-shuffling of practical batches
- (iv) Inclusion and exclusion of names in voter list.
- (v) Change in research supervisor.
- (vi) Refund of caution money.
- (vii) Availability of potable drinking water.

**5.1.17 Does the university promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details**

The University promotes a gender-sensitive environment by conducting gender related programmes under the women cell. This cell has organized a national seminar on gender related issues and looks after related matters. Women Cell has been constituted by the University as per the guidelines prescribed by the UGC. Members from different fields like the medical, police, judiciary, NGOs have been included in the committee which is working on the gender-sensitive environment. The cell is creating awareness and solving problems amongst the staff and students by thoroughly investigating grievances and issues submitted by them. *Vishakha Guidelines* against Sexual Harassment at the work place are discussed with the students and staff. The Cell organizes guest lecturers / poster presentations for creating awareness amongst the students and staff. The Cell also makes

efforts to interact with parents regarding the need for sensitizing and counseling their children to take preventive measures. Self defense training for girls and medical health check up camps, workshops, *etc.* are also being organized from time to time.

**5.1.18 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?**

The University has an anti-ragging committee chaired by the Vice-Chancellor which has a 'zero-tolerance' policy towards ragging, however, no incidence of ragging has been reported as yet therefore the campus may be as ragging free.

**5.1.19 How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?**

In various statutory committees / cell, as per the requirement, representatives from various sections of the society/stakeholders have been inducted for their observations, suggestions and co-operations.

**5.1.20 How does the university ensure the participation of women students in intra-and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made**

The University organizes separate inter collegiate tournaments for women in some of the game and also sends the women team in all India inter university tournaments. The DSW office and Students' Union organizes separate sports and cultural activities for women. It is the fortune of the University that 7-8 times women candidates won the gold, silver and bronze medals in inter university tournaments. There is a wider participation of female students in sports, cultural and extra-curricular activities and no discrimination is made on the basis of gender.



## 5.2 Student progression:

### 5.2.1 What is the student strength of the university for the current academic year? Analyze the programme-wise data and provide the trends for the last four years:

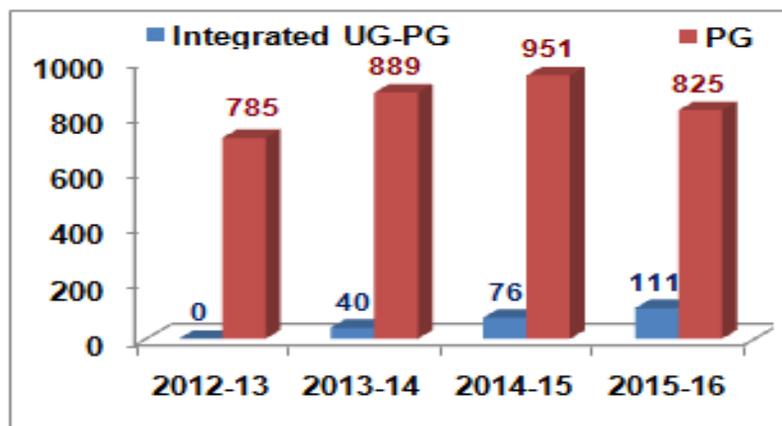
- Student strength of the integrated UG-PG and PG programmes running in the University campus and total registered research scholars in Ph.D. programmes are as under:

Programmes offered	No. of Students
UG	111
PG	825
M. Phil.	--
Ph.D.	679

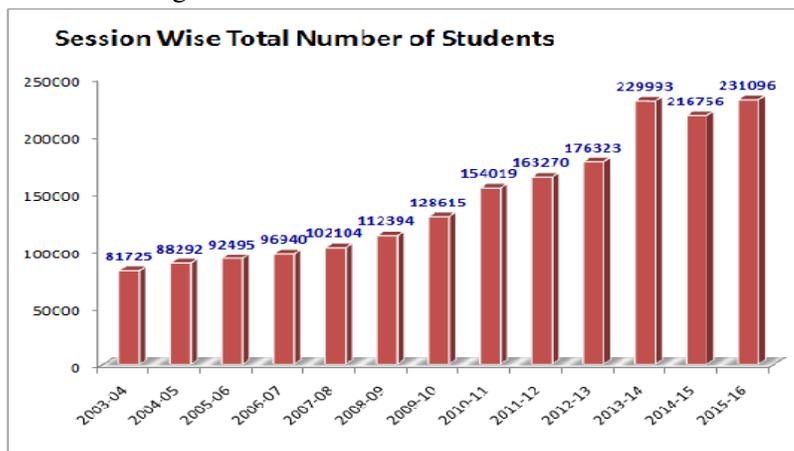
- Programme wise student progression:

Student progression	Percentage against enrolled
UG to PG	82.05%
PG to M.Phil.	--
PG to Ph.D.	26.40%
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	~ 20.00%
• Other than campus recruitment	~ 48.00%
Entrepreneurs	~ 5.00%

- Year wise total numbers Integrated UG-PG and PG students in the University campus:



- Year wise total numbers students of University campus and its affiliated colleges:



### 5.2.2 What is the programme-wise completion rate during the time span stipulated by the university?

It is a matter of genuine satisfaction that more than 80% of the enrolled students for the examination completed their courses successfully. Those who took admission in a particular course and changed his / her subject/stream for his/her preference also completed their course in stipulated time, therefore, the actual programme-wise completion rate may be quite higher than 80%.

### 5.2.3 What is the number and percentage of students who appeared / qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, GATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.:

In the want of feedback from employers and examination conducting agencies, it becomes rather difficult to restore correct percentage figure. However, the departmental profile indicates that students are regularly appearing in these examinations and getting success also.

### 5.2.4 Provide category-wise details regarding the number of Ph.D. / D.Litt. / D.Sc. theses submitted / accepted / re-submitted / rejected in the last four years.

Ph.D. Thesis	2012-13	2013-14	2014-15	2015-16
Submitted	38	46	52	51
Accepted	38	44	52	51
Resubmitted	--	02	--	--
Rejected	--	--	--	--

### 5.3 Student participation and activities:

#### 5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provided details of students participation during last four years:



#### • Inter-College tournament 2012-13:

S. No.	Games/ Sports	Venue	Date
1.	Archery (M & W)	Govt. College, Kota	09.10.12
2.	Athletics (M & W)	B.M.C.P.E, Kishanganj	18.10.12
3.	Badminton (M & W)	Govt.Com. College, Kota	30.08.12
4.	Basketball (M)	S.R.K.P.T.T. College, Kota	04.09.12
5.	Boxing (M)	Govt. College, Bundi	04.10.12
6.	Chess (M & W)	Dr.Z.H.T.T.College, Jhalawar	06.09.12
7.	Cricket (M)	Govt. College, Jhalawar	10.09.12
8.	Cricket (W)	Govt. College, Jhalawar	11.10.12
9.	Cross-Country (M & W)	Govt. College, Sawaimadhopur	15.09.12
10.	Football (M)	P.S.S.College, Chipabarod	19.09.12
11.	Handball (M)	Govt. College, Bundi	27.09.12
12.	Handball (W)	Govt. College, Bundi	27.09.12
13.	Hockey (M)	A.P.T.T.C., Suroth	05.10.12
14.	Judo (M & W)	Govt. College, Kota	20.10.12
15.	Kabaddi (M)	A.R.J.B.C., Chabbra	01.09.12
16.	Kho-Kho (M)	Raghukul T.T.College, Bundi	04.12.12
17.	Korfball (M & W)	Govt.College, Bundi	04.01.13
18.	Softball (M & W)	Govt.College, Bundi	12.10.12
19.	Swimming (M & W)	O.K.I.M., Kota	28.08.12
20.	Table Tennis (M & W)	J.D.B. G.G.C., Kota	06.11.12
21.	Tennis (M)	M.I.M.T., Kota	20.10.12

S. No.	Games/ Sports	Venue	Date
22.	Tennis (W)	M.I.M.T., Kota	20.10.12
23.	Volleyball (M)	Astha College, Itawa	11.12.12
24.	Wrestling (M & W)	Govt.College., Kota	30.10.12
25.	Best Physique (M & W)	Govt. College, Kota	08.11.12
26.	Basketball (W)	Agrasen Girls College, Hindauncity	11.09.12
27.	Hockey (W)	Agrasen Girls College, Hindauncity	11.09.12
28.	Kabaddi (W)	Agrasen Girls College, Hindauncity	11.09.12
29.	Kho-Kho (W)	Agrasen Girls College, Hindauncity	11.09.12
30.	Volleyball (W)	Agrasen Girls College, Hindauncity	11.09.12

• **Inter-College tournament 2013-14:**

S. N.	Games/ Sports	Venue	Date
1.	Archery (M & W)	Govt. College, Kota	10-01-14
2.	Athletics (M & W)	Govt. College, Baran	26-11-13
3.	Badminton (M & W)	Govt. Comm. Colleg , Kota	06-09-13
4.	Basketball (M)	Govt. College, Kota	03-09-13
5.	Boxing (M)	Govt. College, Kota	13-11-13
6.	Chess (M & W)	Govt. College, Sawai Madhopur	30-08-13
7.	Cricket (M)	Govt. College, Jhalawar	18-09-13
8.	Cricket (W)	Govt. College, Jhalawar	18-09-13
9.	Cross-Country (M & W)	JDB Govt. College, Kota	16-09-13
10.	Football (M)	B.M.C.P.E., Kishanganj, Baran	09-09-13
11.	Handball (M)	Agarwal Girls College, Gangapurcity	20-11-13
12.	Handball (W)	Agarwal Girls College, Gangapurcity	20-11-13
13.	Hockey (M)	Govt. College, Baran	06-12-13
14.	Judo (M & W)	Govt. College, Kota	03-01-14
15.	Kabaddi (M)	A.R.J.B.C., Chabbra, Baran	30-10-13
16.	Kho-Kho (M)	B.M.C.P.E., Kishanganj, Baran	20-12-13
17.	Korfball (M & W)	D.P.E., UOK	16-01-14
18.	Softball (M & W)	Govt. College, Bundi	18-10-13
19.	Swimming (M & W)	Om Kothari Ins. Of Manag. , Kota	23-08-13
20.	Table Tennis (M & W)	Govt. Birla College, Bhawanimandi	24-10-13

S. N.	Games/ Sports	Venue	Date
21.	Tennis (M)	Modi Inst. of Mgmt. & Tech., Kota	27-08-13
22.	Tennis (W)	Modi Inst. of Mgmt. & Tech., Kota	27-08-13
23.	Volleyball (M)	Astha College, Itawa, Kota	09-10-13
24.	Wrestling (M & W)	Govt. College, Kota	28-10-13
25.	Best Physique (M & W)	Govt. College, Kota	22-01-14
26.	Basketball (W)	Govt. College, Kota	12-09-13
27.	Hockey (W)	Govt. College, Kota	12-09-13
28.	Kabaddi (W)	Govt. College, Kota	12-09-13
29.	Kho-Kho (W)	Govt. College, Kota	12-09-13
30.	Volleyball (W)	Govt. College, Kota	12-09-13

• **Inter-College tournament 2014-15:**

S. N.	Games / Sports	Venue	Date
1.	Archery (M&W)	Govt. College, Kota	07.10.14
2.	Athletics (M&W)	BMCPE, Kishanganj	8.11.14
3.	Badminton (M&W)	Govt. Commerce college, Kota	23.9.14
4.	Basketball (M)	Govt. College, Kota	18.09.14
5.	Boxing (M)	Sec. Heart College , Kota	10.12.14
6.	Chess (M&W)	Govt. College, Kota	29.08.14
7.	Cricket (M)	Saurabh TT College, Hindauncity	08.10.14
8.	Cross-Country (M&W)	Govt. College, Kota	02.09.14
9.	Football (M)	D.P.E., University of Kota	26.09.14
10.	Handball (M&W)	Govt. College, Bundi	16.09.14
11.	Hockey (M)	BMCPE, Kishanganj	20.12.14
12.	Judo (M&W)	D.P.E., University of Kota	18.12.14
13.	Kabaddi (M)	Saurabh TT College, Hindoncity	02.12.14
14.	Kho-Kho (M)	Raghukul TT College, Bundi	18.11.14
15.	Korfball (M&W)	D.P.E., University of Kota	30.09.14
16.	Rifle Shooting & Pistol Shooting (M&W)	D.P.E., University of Kota	11.11.14
17.	Softball (M&W)	BMCPE, Kishanganj	15.11.14
18.	Swimming (M)	O.K.I.M. Kota	28.08.14
19.	Table-Tennis (M&W)	Govt. College, Kota	07.09.14
20.	Taikwando (M&W)	Govt. College, Kota	03.01.15
21.	Tennis (M)	Sec. Heart College , Kota	09.01.15
22.	Tennis (W)	Sec. Heart College , Kota	09.01.15
23.	Volleyball (M)	Sanjeevani College, Aktasa, Bundi	10.10.14
24.	Wt. Lifting & Power	D.P.E., University of Kota	03.11.14

S. N.	Games / Sports	Venue	Date
	Lif. (M&W)		
25.	Wrestling (M&W)	Govt. College, Kota	30.10.14
26.	Basketball (W)	Sarvodaya College , Kota	19.09.14
27.	Hockey (W)	Sarvodaya College , Kota	19.09.14
28.	Kabaddi(W)	Sarvodaya College , Kota	19.09.14
29.	Kho-Kho (W)	Sarvodaya College , Kota	19.09.14
30.	Volleyball (W)	Sarvodaya College , Kota	19.09.14

• **Inter-College tournament 2015-16:**

S. N.	Games/ Sports	Venue	Date
1.	Archery (M&W)	Govt. College Kota	20.11.15
2.	Athletics (M&W)	Govt. College Baran	16.11.15
3.	Badminton (M&W)	Govt. Commerce College, Kota	22.09.15
4.	Basketball (M)	S.R.K.P.T.T.College, Kota	01.12.15
5.	Boxing (M)	Govt. College, Kota	26.10.15
6.	Chess (M&W)	B.M. T.T. College, Kishanganj	05.10.15
7.	Cricket (M)	S.R.K.P.T.T.College, Kota	02.11.15
8.	Cricket (W)	S.R.K.P.T.T.College, Kota	02.11.15
9.	Cross-Country (M&W)	Govt. College Kota	14.09.15
10.	Football (M)	Govt. College, Jhalawar	23.11.15
11.	Handball (M&W)	Govt. College, Bundi	30.09.15
12.	Hockey (M)	Govt. College, Baran	04.12.15
13.	Judo (M&W)	Govt. College, Kota	07.10.15
14.	Kabaddi (M)	Govt. College, Sangod	28.09.15
15.	Kho-Kho (M)	Patan Girls College, K.Patan	24.09.15
16.	Rifle Shooting & Pistol Shooting (M&W)	S.R.K.P.T.T.College, Kota	10.12.15
17.	Softball (M&W)	Saurabh T.T. College, Hindoncity	14.12.15
18.	Swimming (M)	Secrat Heart College, Kota	03.10.15
19.	Table-Tennis (M&W)	Govt. College, Kota	15.09.15
20.	Taikwando (M&W)	Govt. College, Kota	19.10.15
21.	Tennis (M)	O.K.I.M. Kota	08.11.15
22.	Tennis (W)	O.K.I.M. Kota	08.11.15
23.	Volleyball (M)	Govt. College, Sangod	15.10.15
24.	Wt. Lifting & Power Lifting (M&W)	Govt. College, Kota	08.01.16
25.	Wrestling (M&W)	Govt. College, Kota	23.12.15
26.	Hockey (W)	B.M.C.P.E., Kishanganj	10.10.15
27.	Kabaddi (W)	B.M.C.P.E., Kishanganj	10.10.15
28.	Kho-Kho (W)	B.M.C.P.E., Kishanganj	10.10.15

S. N.	Games/ Sports	Venue	Date
29.	Volleyball (W)	B.M.C.P.E., Kishanganj	10.10.15
30.	Basketball (W)	B.M.C.P.E., Kishanganj	10.10.15

• **Medals at All India Inter University Tournaments-2012-13:**

Medal	Event	Name of Player	Name of College
Bronze	Boxing	Sunil Malik	Sacred Heart College Kota
Silver	5000 Mt. Race	Sompal Punia	Ranth. Coll. Sawaimadhopur
Silver	10000 Mt. Race	Sompal Punia	Ranth. Coll. Sawaimadhopur
Gold	Judo	Monika Malav	G.C.Kota

• **Medals at All India Inter University Tournaments-2014-15:**

Medal	Event	Name of Player	Name of College
Bronze	Wrestling	Monika Malav	G.C. Kota
Bronze	Boxing	Chhanki	Sacred Heart College Kota

• **Medals in West Zone Inter University Tournaments-2013-14:**

Medal	Event	Name of Player	Name of Coll./Uni.
Bronze	Badminton	Team Game	University of Kota

**5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University/State/Zonal/National/ International, etc. during the last four years**

Details of prize won by students in different inter-university / college events are as under:

Session	Participation in Intl. / natl level events	Participation in University level	Prizes won in External events	Prizes won in university / inter collegiate level events
2012-13	--	222 (18 Games)	--	04 medal in Uni. Level / 04 Trophy in College level
2013-14	--	260 (23 Games)	--	02 medal in Uni. Level/03 Trophy in college level
2014-15	--	277 (27 Games)	--	01 Trophy in Uni. level/ 02 Trophy and 03 medal in college level
2015-16	--	280 (26 Games)	--	04 Trophy and 08 medal college level

**5.3.3 Does the university conduct special drives / campaigns for students to promote heritage consciousness?**

- The University has a separate "School of Heritage, Tourism, Museology & Archaeology" to protect and promote heritage and tourism.
- The School of Heritage, Tourism, Museology and Archaeology celebrates every year World Heritage Day, Prithavi Diwas and other archival as well as historical events.
- Heritage Educational Tours are arranged in every semester for the students.

**5.3.4 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications / materials brought out by the students during the last four academic sessions:**

- Students of the different departments have created various students clubs such as solar energy, physics, chemistry, social science clubs
- The students are actively participating in making posters, student seminars, writing news, *etc.*
- The University News Letter: The Mirror includes students in the editorial board and a student corner.

**5.3.5 Does the university have a student council or any other similar body? Give details on its constitution, activities and funding**

The University has an elected students' union and the elections are held as per the policy of the state government, recommendations of the Lingdhoh Committee and the constitution of the students' union. The office bears are the president, general secretary and course representatives. The constitution of the Students' Union is also available on the University website. The Union organizes several students' welfare activities, cultural, sports and other co-curricular activities. The funding for all such activities is provided by the University.

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities**

The University has a provision of student representatives in Students Grievance Redressal Cell, Anti-ragging Committee and Placement Cell. Student representatives in all the departments actively participate in organizing / technical and other relevant committees / bodies for planning and organizing of symposia / workshops / seminars / conferences. Students representatives are also involved in different student related activities.

## **CRITERION-VI GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 Institutional Vision and Leadership:**

#### **6.1.1 State the vision and the mission of the university**

The University has been established for the purpose of

- Empowering the youth for powering the nation,
- Providing quality education with reasonable fee structure,
- Making provision for imparting education in different branches of learning, and
- Furthering the prosecution of research in all branches of learning.

#### **Vision and Mission:**

To make the University a great place of learning and to establish centers of excellence in the Departments for teaching and research in different faculties and interdisciplinary fields through which students can bring out their hidden potentials in lime light and contribute effectively towards the development of their beloved motherland 'Bharat' and humanity as a whole.

The mission of the University is:

- To provide job orientated professional education,
- To promote the technological developments,
- To inculcate self reliance in young minds by stipulating their intellectual response to challenges of the present century,
- To develop entrepreneurial skills in students for taking risk and doing innovations in real life.

#### **6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?**

The mission statement of the University explicitly encapsulates the specific distinct characteristics possessed to envision and meet the emerging needs in terms of futuristic development and growth of society by fostering highest academic standards for achieving excellence in teaching and research and establishing the value oriented traditions to be respected and followed by the coming generation for inclusive growth and sustainable development based on the universally accepted human and ethical principles.

### **6.1.3 How is the leadership involved?**

- **In ensuring the organization's management system development, implementation and continuous improvement?**

The University functions under the leadership of the Vice Chancellor who following democratic process and collective wisdom sorts out specific management strategies for the formulation, execution, review and further improvement in the development plans. The strategies so framed are suitably recommended for adoption in similar academic environment / institution. The open brain storming, scenario building, mind mapping and attribute listening sessions are organized with the University staff to improve and update the work plans.

- **In interacting with its stakeholders?**

Various stakeholders including industry, civil society, research organizations and employment providers are contacted and discussed formally and informally for getting funds, ideas, facilities and support for the academic and infrastructural growth of the University.

- **In reinforcing a culture of excellence?**

The faculty members and students have easy access to meet the higher authorities of the University to discuss the developmental plans of the University. The University is maintaining academic excellence via regular revision and updation of the curriculum, innovative teaching methodology, quality of question papers, etc. The faculty members are encouraged to carryout high quality socially relevant research as per the needs of the industries and society. The University motivates the students to participate and win in sports and extra curriculum activities. Extension lectures and practice sessions help in enhancing soft skills in the students.

- **In identifying organizational needs and striving to fulfil them?**

Identification of organizational needs is a continuous process. The organizational needs of the University are decided by the active participation of each and every staff, students, and other stakeholders. Observations and suggestions of every individual is considered and discussed at every level of decision making and policy formulation. Opportunity and freedom of expression of views and feedback regarding the requirement for the holistic development of the University is a culture.

### **6.1.4 Were any of the top leadership positions of the university vacant for more than a year? If so, state the reasons**

All the top leadership positions viz. Vice Chancellor, Registrar, Comptroller, Deans / Directors, Head of the Departments, Controller of

Examinations and the likes never remain vacant for more than a year at any point of the time. On emergence of such vacancies, special stop gap arrangements are made by the University / State government.

**6.1.5 Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?**

The positions in statutory bodies of the university are filled as soon as the vacancy arises. The meetings of such bodies are conducted regularly as per the University schedule. The University facilitates the participation of all the members in the meetings by providing suitable support.

**6.1.6 Does the university promote a culture of participative management? If yes, indicate the levels of participative management**

The participative management is ensured through democratic process and collective wisdom in decision making in various all statutory bodies like Board of Management, Academic Council, Sports Board, Research Board, Finance Committee, BoS, *etc.* This culture when parculates in all other decision making bodies at all level yields uniformly accepted, widely applicable and suitably framed development plans.

**6.1.7 Give details of the academic and administrative leadership provided by the University to its affiliated colleges and the support and encouragement given to them to become autonomous**

The University is providing all affiliated colleges academic calendar, course curriculum, central examination, evaluation and result declaration system. For professional courses, the University is providing the admission policy also whereas for other academic programmes, the admission policy is given by the State government.

The University nominees are member of faculty selection committee (other than government colleges), college development council and other similar setups in the affilaited colleges.

**6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?**

Not applicable as there is no autonomous college in the entire jurisdiction of the University.

**6.1.9 How does the University groom leadership at various levels? Give details:**

- **At the Department level:**

The University has the rotation system for the Head of the department to enhance the leadership quality in the faculty members. The Heads of the Departments can be appointed for three years by rotation.

- **At the University level:**

The Deans of different faculties are appointed for three years by rotation from the Professors/Associate Professor of teaching departments of the University and the Principals of the postgraduate affiliated colleges of the University. The young faculty members have been entrusted the responsibility of coordinator to organize orientation / refresher programmes for the young teacher and research scholars to inculcate and sharpen the leadership skills. Like wise, the Co-ordinatorship of Swami Vivekanand Shodhpeeth is allotted to an assistant professor. For grooming leadership traits in the students, students' union elections are conducted every year.

- **At College / Centre levels:**

The faculty members from affiliated colleges are nominated in various statutory bodies as convener, co-convener, course coordinator to develop them as academic leaders.

Thus, university is providing suitable platform to develop and depict everyone's leadership quality.

**6.1.10 Has the University evolved a knowledge management strategy? If yes, give details:**

The university has evolved the Knowledge Management strategy since its inception by inculcating and promoting participatory democratic mechanism. University is organizing conferences, seminars, workshops, symposia, training programmes. The University has also enhanced and enriched the library facilities to cater to the needs of the academia world. The IPR cell of the University is also contributing in this direction.

**6.1.11 How are the following values reflected the functioning of the university?**

- **Contributing to national development:**

Education only with patriotic and nationalist character can effectively contribute to the national development. For developing this attribute among common students, lectures of renowned

speakers are arranged to celebrate Jayantees of Great Indian Heros from time to time who have laid down their lives for the freedom and progress of the motherland. Debate, poem competition, quiz, essay writing competitions are organized for the students on such topics which are related to the well being of the nation. The University is creating skilled and educated workforce through its innovative programmes and fostering a spirit of service to mankind and nation at large through the NSS programmes and other social activities. The enthusiastic participation and flamboyant celebration of national festivals inculcates commitment to the nation and national priorities.

- **Fostering global competencies among students:**

The development programmes of the University are aimed to create facilities conforming global standards. Special care is taken to procure international high-tech instruments and students are trained for global competence. The students are exposed to need and procedure to protect their intellectual property, introduced to international business, emerging areas of global interest, technological advances to compete at global level. The students get global exposure through MoUs / collaboration with foreign Universities.

- **Inculcating a sound value system among students:**

The University organizes International Yoga Day, Birth Days of great visionaries like Mahatma Gandhi, Sardar Patel, Swami Vivekanand, Dr. B.R. Ambedkar, *etc.* to develop the moral and spiritual values in students. Further, the University has undertaken "Swachh Bharat Abhiyan" plantation programme, blood donation camp, etc. for creating awareness about basic life values. Proctor office and Anti-Ragging Squad of the University also create awareness and warn students to refrain themselves from the menace of ragging and other such bad activities.



- **Promoting use of technology:**
  - The University promotes use of ICT through Wi-Fi facility with 1gbps internet connectivity, computers, laptops, smart boards, e-resources, *etc.* provided in all the departments.
  - The University introduced online system for filling examination forms and admission process to ensure paperless working.
  - There is provision for imparting training to the University personnels for the use of modern technology.
  - Preference for including modern technology based course curriculum in different subject.
- **Quest for excellence:**
  - The University is keen to get assessed by national level agencies for its competence and striving hard for improvement of its level. As evident from RICOH award (2016), 78th rank by NIRF, MHRD (2016).
  - Inclusion of recent advances & development in the course curriculum.
  - Motivating researchers to get their research papers published in international and national journals having high impact factors.
  - Discouraging plagiarism at all levels.

## **6.2 Strategy Development and Deployment:**

### **6.2.1 Does the university have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?**

- Vision and mission : Yes
- Teaching and learning : Yes
- Research and development : Yes
- Community engagement : Yes
- Human resource planning and development : Yes
- Industry interaction : Yes
- Internationalization : Yes

All the above points are carefully considered as per the vision and mission of the University. The perspective plan is prepared as per the norms and guidelines of various regulatory bodies such as State government, UGC, BCI, NCTE, MHRD and other concerned bodies.

### **6.2.2 Describe the university's internal organizational structure and decision making processes and their effectiveness**

The organizational structure of the University is as per the Act of the University. The powers and functions of the Chancellor, Vice-Chancellor, Registrar, Comptroller, Board of Management, Academic Council, *etc.* are stated in the Act of the University.

The University Act ensures the coordination, proper distribution of duties and proper working of the personnel in the University.

**6.2.3 Does the University have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?**

University has established IQAC as per UGC guidelines which ensure the quality in all spheres of the University.

**6.2.4 Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?**

There are several committees formed at the department level to execute the various functions without any interference from other statutory bodies. To promote the quality teaching and research, departments have autonomy in deciding the courses, research area, submission and execution of research projects, framing the budget estimates, organizing seminars / conferences within budgetary provisions, *etc.* Departments are accountable for timely completion of the courses achieving desired results, research outputs, and attending the given targets, *etc.* for the overall progress of the University.

**6.2.5 During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?**

The court cases have been filed by and against the University but no critical issue was found by the courts. Year wise details of the court cases are given below as:

Status / Year	2012	2013	2014	2015
Total cases filed	15	17	10	11
Decided	11	06	07	04
Pending	04	11	03	07

**6.2.6 How does the university ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?**

The Office of the Dean Students' Welfare, Anti-Ragging Squad, Women Cell, Grievance Redressal Cell, Gender Sensitivity Committee *etc.* are working effectively to promptly address the grievances of students and faculty members.

**6.2.7 Does the university have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?**

There is student feedback mechanism as suggested by IQAC. Further, the Students' Union and students' representatives also give feedback of the different activities. They also bring to the notice of the authorities constraints and bottlenecks faced by them in effective teaching learning process. The University authorities on receiving such feedback make all efforts to solve the problem and improve the situation. The positive feedback received about any person or activity is communicated to all concerned for further enhancement.

**6.2.8 Does the university conduct performance audit of the various departments?**

The research achievements in the research proposals are evaluated by the funding agencies like UGC, CSIR, DST, *etc.*

**6.2.9 What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?**

The University monitors the affiliated colleges regularly. University inspection teams visit the affiliated colleges to see the teaching, learning and infrastructure facilities of the courses which are being run by them. The inspection teams also point out the deficiencies which are noticed. On the basis of the recommendations of the inspection teams, the University informs the concerned colleges and directs to rectify deficiencies within stipulated time. The inspection teams also investigate the developmental needs of the colleges in consultation with the principals and faculty members.

**6.2.10 Does the university have a vibrant College Development Council (CDC) / Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.**

The University is bifurcated from MDS University, Ajmer so CDC is functioning at MDS University only.

**6.3 Faculty Empowerment Strategies:**

**6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?**

For the professional development of teaching and non-teaching staff, various capacity building training programs have been organized by the University. The following programmes were organized by the University:

S.No.	Name of the Programme	Year
1.	Refresher Course in Experimental Physics in collaboration with the Science Academies	2014
2.	Training programme for faculty members on "Hands-on Practice" on smart interactive boards.	2014
3.	Computer related training programmes for the teaching / non-teaching staff	2014

4.	Orientation programme for the College and University teachers	2016
5.	Refresher course on Computer Application	2016

**6.3.2 What is the outcome of the review of various appraisal methods used by the University? List the important decisions**

S. No.	Appraisal methods used	Decision
1.	Self Appraisal Report for promotion under CAS (for promotion from Assistant Professor to Assistant Professor Senior Scale)	Under process
2.	Proposal Evaluation by Expert Committee for award of financial grant to the young faculty members for research	Awarded five proposals for year 2014-2016 and two proposals are under process for year 2017-2019.
3.	Appraisal for Assessment under NIRF by MHRD, Govt. of India Year 2016	University has awarded 78th rank.
4.	Appraisal for Assessment under NIRF by MHRD, Govt. of India Year 2017	Under process

**6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details**

S. No.	Welfare schemes	% of Staff benefitted
1.	Group insurance scheme	100%
2.	Housing loan facility	24.5%
3.	Soft loan and advances	100%
4.	Special quota for wards of employee in admission	5.0%
5.	Ex-gratia employment to the wards of employee expired on duty	1.63%
6.	Approval of private hospitals for medical facility	100%
7.	Bonus for non-teaching staff	100%
8.	Staff Development / Welfare Fund	100%
9.	Pension Scheme / New Pension Scheme	100%
10.	Compulsory PF contribution deduction for contractual employees	100%

**6.3.4 What are the measures taken by the University for attracting and retaining eminent faculty?**

- Implementing Career Advancement Scheme (CAS) for assured promotion



**6.3.7 What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the university faculty?**

The University has signed a MoU with the UGC-HRDC, JNV University, Jodhpur to conduct various academic programmes as per the guidelines of the UGC. It has given an opportunity to our faculty members to take lead and organize such programmes successfully. Our faculty members were benefited as participants and resource persons as well. These programmes provided an open platform for mutual discussion, interaction, knowledge upgradation and sorting out the strategies for improved teaching and to the time research.

**6.4 Financial Management and Resource Mobilization:**

**6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?**

The University follows the following procedures to monitor the effective and efficient use of financial resources:

- Budget Preparations
- Budget Discussion
- Budget Approval
- Sanction for Expenditure
- Central Purchase
- Revised Estimates
- Audit

**6.4.2 Does the university have a mechanism for internal and external audit? Give details:**

The internal and external audits have been completed upto financial year 2013-14. The mechanism is as follows:

**Internal Audit:** at Departmental Level  
at University Level by (i) Comptroller Office and  
(ii) CA to be appointed by the University.

Discrepancies / objections are removed at each stage by taking suitable measures and budget modifications, if required.

**External Audit:** External audit is done by the Accountant General of India. Auditors submit their report to the comptroller and the office of the comptroller looks into the deficiencies and seeks clarifications from departments / units concerned. Thereafter, the University sends the reply on the objections raised by the Audit team.

**6.4.3 Are the institution's accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?**

Yes, University accounts are regularly audited internally as well as externally by AG office. All Audit objections are complied with anomalies and are not repeated in future.

**6.4.4 Provide the audited income and expenditure statement of academic and administrative activities of the last four years**

Financial Year	Total Income (INR in lakhs)	Total Exp. (INR in lakhs)	Audit Status	Enclosures with details*
2012-13	2195.15	2040.40	Completed	--
2013-14	3190.00	2959.28	Completed	--
2014-15	3510.51	3448.24	--	--
2015-16	5960.10	3192.61	--	--

\* Details will be submitted at the time of NAAC Peer team visit at the University.

**6.4.5 Narrate the efforts taken by the University for Resource Mobilization**

Major sources of University are

- Admission and Examination fee
- Affiliation fee
- Extramural research fund
- Submission of proposal to State Govt. and UGC to enhance to grant
- Additional Activities for Income Generation-PTET

University is encouraging the faculty members to get the research and development projects from various funding agencies and industries. Besides, the University has started number of job oriented courses as per the requirement of the market. The University also charges affiliation fee from its affiliating colleges and examination fee from students.

**6.4.6 Is there any provision for the university to create a corpus fund? If yes, give details:**

The University has created / allocated following funds for the University teaching and non-teaching staff :

- Teacher Welfare
- Employee Welfare
- Medical Aid
- Pension Scheme

## **6.5 Internal Quality Assurance System:**

### **6.5.1 Does the university conduct an academic audit of its departments?**

#### **If yes, give details:**

The academic council of the University discusses the academic performances of the departments and suitable action plan is suggested for improving the academic and research standards. It also approves the recommendations of the BoS / CoC, pertaining to the curricula, examination scheme and starting of new courses. The University has also constituted SRC, Research Board for enhancing the quality of research. The University prepares the annual report to take stock of academic and non-academic performance.

The data collected through academic audit are submitted to various agencies for ranking / award / grading of the University. Regular meetings of Deans / Professors / HODs are organized to discuss, recommend and implement the academic reforms through IQAC / Office of the Dean, PG Studies.

### **6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?**

On the basis of academic review and recommendation of the academic council necessary action is initiated for incorporating the changes for improving the curricula and teaching pedagogy. Some of the important improvements are as follows:

- All the UG, PG programmes running in the campus are shifted from annual to semester scheme.
- Equal number of papers / credits, inclusion of internal assessments, uniform examination pattern in all the courses as per CBCS guidelines.
- Adherence to the academic calendar.
- Uploading of syllabi, teaching plans, guidelines on the University website.
- Feedback mechanism initiated
- Inclusion of student seminars, projects, field visits, review of literature as an essential part of curriculum
- Establishment of IPR cell and English Language Lab
- Establishment of Sophisticated Analytical Instrumentation Centre
- Development of E-library and E-resources
- Inclusion of technological developments in all spheres
- Emphasis on woman education, education socially and economically deprived section of society.
- Establishment of Placement & Counseling Cell
- Environment for better teacher-student relationship culture

**6.5.3 Is there a central body within the University to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

Deans of faculties, Dean of PG Studies, IQAC and Academic Council review the teaching-learning process of different departments and suggest the necessary line of action for improving teaching-learning process. This resulted in improvement in teaching-learning process. Some of the outcomes are as follows:

- Starting of new courses
- Enhancement in the total teaching days
- Uniform examination system
- Modification in the examination pattern in compulsory papers
- Timely declaration of results
- Zero pendency in degree distribution

Above all, the outcomes are achieved in all spheres harvesting the maximum potential of all the faculty members and other staff for timely reaching to the University targets.

**6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?**

The IQAC of the University is responsible for maintaining and enhancing the quality assurance strategies and processes. This body suggests the necessary steps to be initiated for further enhancing the quality of performance and structure of the University and it also reviews the action taken by various departments / units.

**6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the University for Implementation?**

All the decisions of the IQAC are referred to implementing agencies for further needful action which include reporting / approval / rectification by various statutory bodies of the University.

**6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members:**

The IQAC has external members as per the provisions laid down by the UGC / NAAC. The active participation and contribution of these members help not only in planning and reviewing but also in identifying strategies for the effective implementation of the decisions. Such external members are vibrant source of societal feedback and help in envisaging and shaping future.

**6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?**

The matter of growth of students from disadvantaged section of society is discussed in the IQAC. Equal Opportunity Cell (EOC) and Cell for Differently Abled Persons have provided the related data and submitted to the different bodies.

Year wise admissions of the students:

Category	2012-13	2013-14	2014-15	2015-16
SC	43	46	52	50
ST	34	47	58	48
OBC	121	144	149	170
PH	--	03 (1 SC, 1 ST, 1 GEN)	01 (in OBC)	01 (in ST)
<b>Total</b>	<b>198</b>	<b>237</b>	<b>259</b>	<b>268</b>

**6.5.8 What policies are in place for the periodic review of administrative and academic departments?**

Based on the feedback from Students / Stakeholders / Faculty Members / Head of the Departments, the problems in the bottleneck are identified, discussed at various levels and rectified through constituting relevant committees including academic and administrative persons.

The University is comitted to more than 200 effective teaching days in place of 180 days as per the requirement of the UGC guidelines.

Suitable experts from renowned institutions are invited in all the departments in seminars / conferences / workshops for expert lectures. Such experts during their visits to the University departments interact with the faculty members, review the academic and administrative working, provide their feedback and suggest modifications for better teaching-learning.

Finanace Committee, Academic Council and Board of Management review the Administrative and Academic departments periodically during their meetings. Accordingly, the departments are provided with University support for expansions and technological innovations.

## **CRITERION-VII**

### **INNOVATION AND BEST PRACTICES**

#### **7.1 Environment Consciousness:**

##### **7.1.1 Does the University conduct a Green Audit of its campus?**

The university has initiated several important steps for creating environment consciousness in its campus which are as under:

- Constitution of Beautification Committee: It is responsible for making the campus clean and green and for management of the waste.
- Inclusion of a separate paper on environmental related issues in Integrated B.Sc.-M.Sc. Physics, M.Sc. Chemistry, M.Sc. Industrial Chemistry, M.A./M.Sc. Geography Programmes.
- Celebration of National Cleanliness Day: Under *Swachh Bharat Abhiyan* the students and staff of the University clean the entire campus and cleanliness in campus is maintained by periodically cleaning the campus at department level by the staff and at the University by the staff and students both.
- Strict adherence to the requirement of Orientation programmes / Refresher Courses conducted in the University where expert lectures were delivered in view of the curriculum on environment and ethics.
- Intensive tree plantation by the students and staff in the form of *Van Mahotsav* in collaboration with State Forest Department / NGOs (APNA Sansthan) is a regular activity of the University. Moreover, students of M.Sc. Wildlife Science and Life Science have identified the flora of campus through green audit and suggested the plant species for sustainable growth.
- Pollution free environment in the University campus.

##### **7.1.2 What are the initiatives taken by the university to make the campus eco-friendly?**

The University has taken various initiatives to make the campus eco-friendly which are as under:

- **Energy Conservation:**
  - The Department of Pure and Applied Physics is running M.Tech. (Solar Energy) Programme and the faculty and students are working on the fabrication of the solar cookers.



- The Department of Pure and Applied Physics is organizing the 'ENERGY MEET' every year for creation of awareness in students and society in general about the energy conservation and other renewable sources of energy.
- Replacement of conventional tube lights / bulbs by the LED bulbs in phased manner.



- Self restrain on use of air conditioners and self motivation for judicious use of electrical devices.
  - Proper care has been taken in the construction of all the building for sufficient availability of natural light to curb the electricity consumption and suitable ventilation for fresh air.
  - In the construction of buildings, the massenary materials are used to ensure temperature equilibrated buildings.
- **Use of renewable energy:**  
A 100 KW Solar Power Plant has been installed in the Academic block of the University for energy generation, conservation, use and supply to State Govt. Power Grids.

- **Water harvesting:**  
The University has ear-marked land for the construction of ponds for rain water harvesting.
- **Check dam construction:**  
The available land area of the university restricts the possibility of construction of check dam. The present available land may fall short to meet with the land requirements in view of future development plans. Water diversion wall has been constructed in the premises to manage the rain water.
- **Efforts for Carbon neutrality:**
  - Carbon emission through vehicle exhaust have been minimized in the campus by ensuring parking at designated places.
  - The University policy of paperless work through the use of ICT is protecting the preservation of trees on the long term.
- **Plantation:**  
Besides, celebration of *Van Mahostava*, the DSW / NSS unit / Students' Union of the University regularly organizes the tree plantation camps in the University. Efforts are made to plant the saplings of those species which survive in hard rocky land of the University. A gradual progress in the survival rate of sapling so planted is being ensured by providing additional soil and fertilizers/neutrients in the limited area where such saplings have been implanted.
- **Hazardous waste management:**  
The University follows the guidelines and norms of various statutory organizations to ensure bio-safety and manage hazardous waste. The laboratories have been equipped with fume hoods, exhausts, ventilated chemical storage cabinets.
- **E-waste management:**  
The e-waste is collected and stored at departmental level and deposited at central store for further disposal following the State government rules by inviting tenders for recycling.
- **Any other:**
  - Minimum use of pesticides and agrochemicals is encouraged.
  - Eco-friendly canteen is available for the students and staff in campus.
  - On call medical officer is available for the students and staff in the campus. The services of Govt. medical college and hospital is available round the clock in the vicinity of the University.

- Regular de-weeding of old records and their disposal through auction following the State government norms.

## **7.2 Innovations:**

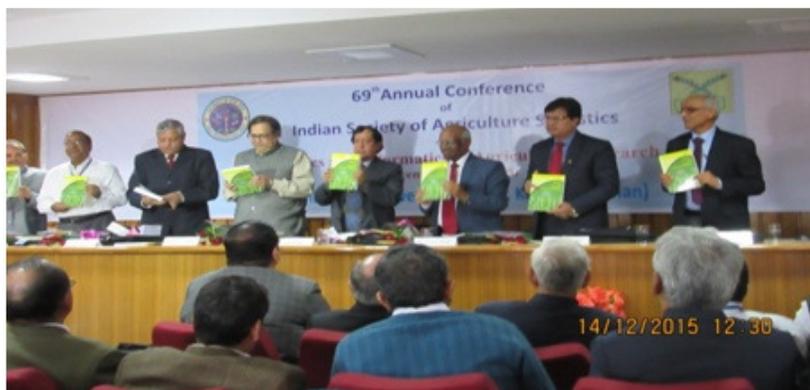
### **7.2.1 Give details of innovations during the last four years which have created a positive impact on the functioning of the University:**

Following innovative measures have been introduced in the University during the last four years:

- Distribution of 2.17 Lakhs University degrees with high security features during University convocation and simultaneously at all the affiliated colleges displaying a few of such centres through video conferencing technique.
- Digitalization and automation in different sections (Research, Examinations, Accounts & Finance, Central Library) have improved the functioning of the University.
- Secrecy and objectivity in the process of inspection of colleges for affiliation has been strengthened by suitable modification in procedure and proforma.
- Adoption of suitable mix of different evaluation process for ensuring timely declaration of results.
- E-tendering process for purchase and supply of goods and services has resulted into transparency.
- MoU with UGC-HRDC Jodhpur for the organizing of the orientation and refresher course.
- Encouragement to the faculty members to work at par with international MoU with Linkoping University, Sweden and Lyceum University, Philippine.
- Enhancement in the cognitive competence of faculty and students through language laboratory.
- Motivating students to undertake industrial trainings at industries like DCM Shri Ram Ltd., Kota.
- Department of Pure and Applied Physics has received support from University of Durham and Cranfield University (UK Universities) and MSA Renewtech (Industry Partner), Vadodara, Gujarat, India under Newton Bhabha Fund for Higher Education Partnership between Royal Academy of Engineering, UK and FICCI, India.
- Solar power plant established in the University has become a model for other academic institutes and organizations.
- Centre for Analytical Instrumentation Facility is attracting other industries and academic organizations for highly specialized analysis and technical support.
- Entrepreneurship Development Programmes, Energy Meets and National Schools on Quantum Mechanics are giving impetus for learning.



- The overall personality development of the students is initiated by encouraging them to participate more and more in the extra-curricular activities. Here students are given opportunities to organize such activities to learn managerial skills.
- University sports complex meeting international standards is ready to cater the needs for the development of outstanding sports persons.
- Student Complaint / Sexual Harassment / Inquiry and Feedback links are created to facilitate the students.
- University central library has Online Public Access catalogue (OPAC) for ensuring the books availability. NPTEL, e-Library.
- Autonomy to the principal investigator to manage their project accounts to promote research and development activities.
- University has enabled Wi-Fi facility within its campus.
- University has organized 69th Annual Conference of Indian Society of Agriculture Statistics on a theme "Statistics and Informatics in Agricultural Research in December 2015 with a special session on Food Processing and Value Addition in Agricultural Produce.



- Quaterly new letter of the University "*The Mirror*" is showcasing salient achievements / progresses to link organizations, students and society.
- ICT based learning and teaching
- Networking of the entire campus.
- University has an IQAC for the quality measures.
- University has Anti-ragging Committee, Grievance Redressal Cell, Placement and Counseling Cell, Women Cell, IPR Cell, IT Cell, *etc.* to ensure the fulfilment of the cells.

### **7.3 Best Practices:**

#### **7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the university**

The University has two best practices as under:

- (a) Uniformity and Coordination in Different Academic Programmes.
- (b) Democratization and Use of Collective Wisdom in Administrative Decision Making.

##### **(a) Title of the Practice:**

Uniformity and Coordination in Different Academic Programmes.

##### **Objectives of the Practice:**

- To ensure uniform policy for admission & examination scheme and adherence to academic calender for all the courses run by the University.
- To bring objectivity and speed in the evaluation process for timely declaration of results.
- To encourage inter-disciplinary approach in teaching-learning.

##### **The Context:**

The University is manned with experts of different disciplines with varied experience in order to utilize their full potential for the development and growth of the University. It is imperative that the University frames its policies and plans after thorough discussions and experience sharing which shall ultimately lead to a result oriented strategy. It will also ensure the optimum utilization of the facilities developed at university by all concerned on sharing basis.

##### **The Practice:**

- Specialization of each of the faculty member is considered for framing academic programme of a particular discipline.
- Wherever defficiency / shortcomings are observed, the knowledge sharing among the faculty by way of personal

discussions, seminars, literature and experience sharing is ensured. Further academic upgradation of whole department / unit is facilitated by invited talks in the departments.

- Specialized knowledge enhancement is achieved by deputing individual faculty member for advanced learning and specialized trainings.
- Inter-disciplinary concepts are developed through formal and informal interactions of peer group and senior faculty members of other units.
- Faculty members are also encouraged to attend symposia, seminars, colloquium, workshops, *etc.*

**Evidence of Success:**

- With limited manpower the University has been able to successfully develop and implement different academic programmes, declare result in time and distribute degrees.
- The facilities developed at different departments / units are being suitably utilized for teaching, research and self-development activities by the faculty and students.

**Problems Encountered and Resources Required:**

The University has a big constraint of human and physical resources. The finance generated is not sufficient enough for expected growth of the University. The State Govt. is being approached for sanction of new academic departments, multi-faculty UG college and law college with required financial support.

**(b) Title of the Practice:**

Democratization and Use of Collective Wisdom in Administrative Decision Making

**Objectives of the Practice:**

- To develop consensus for bringing out acceptability and adherence to the rules for administrative decisions.
- To create confidence and faith of employees, students and other stakeholders in the university system.

**The Context:**

The University caters to the needs of the society in the field of education which is of paramount importance so that it can stand as an icon and attract attention and care of society, government viz. dedicated services of employees to provide a high class education system.

**The Practice:**

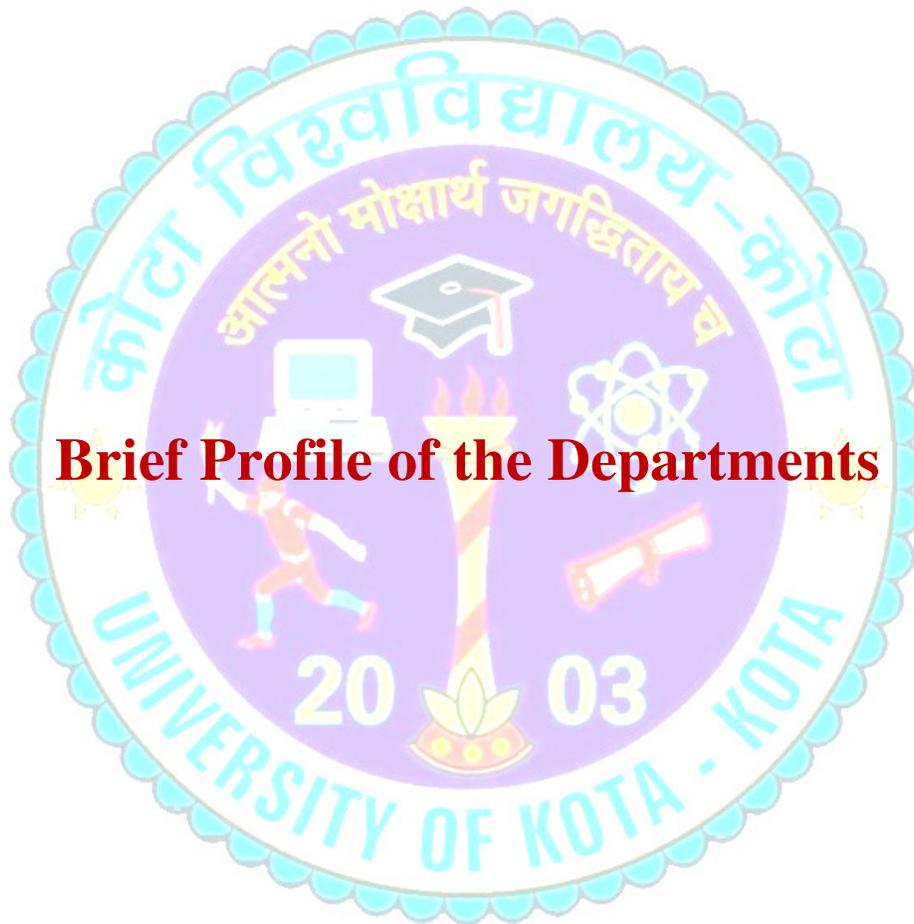
- Issues are identified for discussion and communicated to Deans / Directors / HODs for seeking inputs from their respective units. Then such information/experience so gathered is discussed in a meeting where the recommendations are made for framing the final policy.
- Such recommendations are presented in appropriate bodies following due procedure and discussed for their further modifications / approval following implementation.

**Evidence of Success:**

- Grant of the 12(b) in 2012 under UGC Act, 1956
- 78th rank in INDIA Ranking 2016 by NIRF, MHRD, New Delhi
- MoUs with national / international universities / organizations
- RICOH Education Excellence Award 2016 from the BUSSINESSWORLD for Best Institution in Use of Technology in Teaching-Learning Practices
- Rapid Infrastructural Development
- Gross Enrolment Ratio in the UG and PG programmes has increased around 20% during last four years.
- Visible integrated outcomes of faculty, students and society.

**Problems Encountered and Resources Required:**

- Creating consensus among people from different backgrounds is though not impossible yet a difficult task, process of decision making is sometimes delayed.
- Frequent change in posting of officers deputed from the government usually hinder the routine working process as it requires time for the incumbent officer to understand the University system.
- The disposals at government level sometimes inhibits the normal growth.
- There is an acute need of enhancement in sanctioned posts in view of increased workload.



## **Brief Profile of the Departments**

## Brief Profile of the Departments

### Department of Pure & Applied Chemistry:

S. No.	Particulars	Information			
1	Name of department	Department of Pure & Applied Chemistry			
2	Year of establishment	2007			
3	Courses / programmes and subject combinations offered	M.Sc. Chemistry Specializations: (i) Organic Chemistry (ii) Analytical Chemistry M.Sc. Industrial Chemistry M.Phil. Chemistry Ph.D. Chemistry			
4	Number of teaching posts sanctioned and filled	<b>Name of Post</b>	<b>Sanctioned</b>	<b>Filled</b>	
		Professor	1	1	
		Associate Prof.	2	2	
		Assistant Prof.	3	3	
5	Number of administrative staff	04*			
6	Number of technical staff	None			
7	Student enrolments (Men / Women) give details course-wise	<b>Programme</b>	<b>Year</b>	<b>Men</b>	<b>Women</b>
		M. Sc. Chemistry	2012-13	10	10
			2013-14	14	11
			2014-15	22	18
			2015-16	15	25
		M. Sc. Industrial Chemistry	2012-13	20	00
			2013-14	10	10
			2014-15	17	08
			2015-16	14	11
		8	Ratio of teacher to students	<b>Name of Class / Semester</b>	
M.Sc. Chem. (I&II Sem.)				1:4.0	
M.Sc. Org. Chem. (III&IV)				1:2.5	
M.Sc. Ana. Chem. (III&IV)				1:1.5	
M.Sc. Ind. Chem. (I&II)				1:2.5	
M.Sc. Ind. Chem. (III&IV)				1:2.4	
9	Ratio of teacher to research scholars	1:4			
10	Number of research scholars who have obtained their master's degree from other institutions	02			
11	Number of teachers in academic bodies of other	03			

	autonomous / affiliated colleges and universities	
12	Latest revision of the curriculum	2015-16
13	Number of students passed in NET / SLET (last 5 years)	18
14	Success rate of students	~ 85.00%
15	Demand ratio (No. of seats: No. of applications)	Chemistry = 1:2.450 Industrial Chemistry = 1:1.040
16	Awards and recognition received by faculty (last 5 years)	<b>Prof. Ashu Rani</b> received Prof. A.S.R. Anjaneyulu 60 <sup>th</sup> Birthday Commemoration Award (2014) in the National Convention of Indian Chemical Society at JECREC University, Jaipur. <b>Dr. Neelu Chouhan</b> received Grignard Award for her paper in chemical sciences: Rakshit Ameta, Monika Trivedi, Neelu Chouhan and Chetna Ameta. Improved performance of dye sensitized solar cell using carbon and zinc co-doped semiconductor. International Journal of Renewable Energy Technology Research, 2015, 4(4) 1-10. <b>Dr. Bhawani Singh</b> received Fast Track Young Scientist Award of DST (SB/FT/CS-122/2012 Dated 31-12-2013).
17	Faculty who have attended Natl. / Intl. seminars (last 5 years)	Prof. Ashu Rani Dr. Neelu Chouhan Dr. Bhawani Singh Dr. Sushil K. Sharma Sh. Ankit Sharma Dr. Shweta Vyas
18	Number of national / international seminars organized (last 5 years)	05
19	Number of teachers engaged in consultancy and the revenue generated	--
20	Number of ongoing projects and their total outlay	10 (100.16 Lacs)

21	Research projects completed during last four years & their outlay	07 (INR 71.00 Lacs and SEK 27)
22	Number of inventions and patents	Granted : 02, Filed : 02
23	Number of Ph.D. theses guided during the last 4 years	18
24	Publications by faculty (last 4 years)	<ul style="list-style-type: none"> <li>• in Journals (national / international): 87</li> <li>• in Conference Proceedings: 10</li> <li>• Chapters in Books: 33</li> <li>• Edited Books: 07</li> </ul>
25	Average citation index and impact factor of publications	Citation index: from 11-450 Impact factor: from 0.0-8.262
26	Number of books in departmental library, if any	No Departmental Library.
27	Number of journals / periodicals in the departmental library	No Departmental Library.
28	Number of computers	5
29	Annual budget in 2015-16 (excluding salary)	204.00 Lakhs

**Department of Pure & Applied Physics:**

S. No.	Particulars	Information																																												
1	Name of department	Department of Pure and Applied Physics																																												
2	Year of establishment	2007																																												
3	Courses / programmes and subject combinations offered	<ul style="list-style-type: none"> <li>• Integrated B.Sc.-M.Sc. Phy.</li> <li>• M.Sc. (Physics-Energy)</li> <li>• M.Tech. (Solar Energy)</li> <li>• M.Phil.</li> <li>• Ph.D.</li> </ul>																																												
4	Number of teaching posts sanctioned and filled	<ul style="list-style-type: none"> <li>• Sanctioned-06</li> <li>• Filled-05</li> </ul>																																												
5	Number of administrative staff	01*																																												
6	Number of technical Staff	03*																																												
7	Number of students (Men / Women) give details course-wise	<table border="1"> <thead> <tr> <th>Course</th> <th>Year</th> <th>M</th> <th>F</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Integrated B.Sc.-M.Sc. (Physics)</td> <td>2012-13</td> <td>--</td> <td>--</td> </tr> <tr> <td>2013-14</td> <td>24</td> <td>16</td> </tr> <tr> <td rowspan="2">M.Sc. (Physics)</td> <td>2014-15</td> <td>51</td> <td>25</td> </tr> <tr> <td>2015-16</td> <td>68</td> <td>43</td> </tr> <tr> <td rowspan="4">M.Sc. (Physics-Energy)</td> <td>2012-13</td> <td>13</td> <td>8</td> </tr> <tr> <td>2013-14</td> <td>18</td> <td>7</td> </tr> <tr> <td>2014-15</td> <td>28</td> <td>20</td> </tr> <tr> <td>2015-16</td> <td>22</td> <td>28</td> </tr> <tr> <td rowspan="4">M.Tech. (Solar Energy)</td> <td>2012-13</td> <td>--</td> <td>--</td> </tr> <tr> <td>2013-14</td> <td>--</td> <td>--</td> </tr> <tr> <td>2014-15</td> <td>15</td> <td>5</td> </tr> <tr> <td>2015-16</td> <td>28</td> <td>6</td> </tr> </tbody> </table>	Course	Year	M	F	Integrated B.Sc.-M.Sc. (Physics)	2012-13	--	--	2013-14	24	16	M.Sc. (Physics)	2014-15	51	25	2015-16	68	43	M.Sc. (Physics-Energy)	2012-13	13	8	2013-14	18	7	2014-15	28	20	2015-16	22	28	M.Tech. (Solar Energy)	2012-13	--	--	2013-14	--	--	2014-15	15	5	2015-16	28	6
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10	Number of research scholars who have obtained their master's degree from other institutions	04																																												
11	Number of teachers in academic bodies of other	04																																												

	autonomous / affiliated colleges and universities	
12	Latest revision of the curriculum	July 2015
13	Number of students passed in NET/SLET (last 5 years)	05
14	Success rate of students in session 2014-15	85.55%
15	Demand ratio (No. of seats: No. of applications)	B.Sc.-M.Sc. Physics = 1:2.536 M.Sc. Physics-Energy = 1:3.928 M.Tech.-Solar Energy = 1:1.833
16	Awards and recognition received by faculty (last 5 years)	<ul style="list-style-type: none"> <li>• Dr. Saurabh Dalela- Indo-Italian POC for visiting Elettra Synchrotron, Trieste, Italy for experiments in the beamtime allotted at BACH beamline in Dec. 2012.</li> <li>• Dr. Ghanshyam Sharma- Young Scientist Award under DST-Fast Track (OYS) Scheme in 2013.</li> <li>• Dr. Namrata Sengar- Best Paper Presentation (Oral) at Retopia organized by TERI University, 11 Oct 2012.</li> </ul>
17	Faculty who have attended Natl./Intl. Seminars (last 5 years)	<ul style="list-style-type: none"> <li>• Prof. N.K.Jaiman</li> <li>• Dr. Saurabh Dalela</li> <li>• Dr. Ghanshyam Sharma</li> <li>• Dr. N.L. Heda</li> <li>• Dr. Namrata Sengar</li> </ul>
18	Number of national / international seminars organized (last 5 years)	08
19	Number of teachers engaged in consultancy and the revenue generated	--
20	Number of ongoing projects and their total outlay	04 (Rs. 114.95 Lacs)
21	Research projects completed during last four years & their outlay	04 (Rs. 44.67 Lacs)
22	Number of inventions and patents	--
23	Number of Ph.D. thesis guided	02

	during the last four years	
24	Publications by faculty (last 4 years)	<ul style="list-style-type: none"> <li>• in journals (national / international): 59</li> <li>• in Conference proceedings: 15</li> <li>• Chapters in Books: 09</li> <li>• Edited Books: 01</li> </ul>
25	Average citation index and impact factor of publications	<ul style="list-style-type: none"> <li>• Citation index - Range 44-173</li> <li>• Impact Factor - Range 0.0-3.635</li> </ul>
26	Number of books in departmental library, if any	--
27	Number of journals / periodicals in the departmental library	--
28	Number of computers	14
29	Annual budget in 2015-16 (Excluding salary)	287.00 Lakhs

\* Employed through agency

**Department of Computer Science & Informatics:**

S. No.	Particulars	Information
1	Name of department	Department of Computer Science & Informatics
2	Year of establishment	2007
3	Courses / programmes and subject combinations offered	MCA, PhD
4	Number of teaching posts sanctioned and filled	06 / 04
5	Number of administrative staff	Nil
6	Number of technical staff	Nil
7	Student enrolments (Men / Women) give details course-wise	178 / 67
8	Ratio of teacher to students	1:9.6 in odd semester & 1:8.6 in even semester
9	Ratio of teacher to research scholars	1:2.3
10	Number of research scholars who have obtained their master's degree from other institutions	7
11	Number of teachers in academic bodies of other autonomous / affiliated colleges and universities	3
12	Latest revision of the curriculum	2015-16
13	Number of students passed in NET / SLET (last 5 years)	N/A
14	Success rate of students	88%
15	Demand ratio (No. of seats: No. of applications)	Admission through RMCAAT
16	Awards and recognition received by faculty (last 5 years)	Nil
17	Faculty who have attended Natl. / Intl. seminars (last 5 years)	2
18	Number of national / international seminars organized (last 5 years)	5
19	Number of teachers engaged in consultancy and the revenue generated	Nil
20	Number of ongoing projects and their total outlay	01
21	Research projects completed during last four years & their outlay	Nil
22	Number of inventions and patents	Nil
23	Number of Ph.D. theses guided during	09

	the last 4 years	
24	Publications by faculty (last 4 years)	<ul style="list-style-type: none"> <li>• in Journals (national / international): 60</li> <li>• in Conference Proceedings: 25</li> <li>• Chapters in Books: 11</li> <li>• Edited Books: 02</li> </ul>
25	Average citation index and impact factor of publications	<ul style="list-style-type: none"> <li>• Citation index-Range 12-88</li> <li>• Impact Factor-Range 0-1.890</li> </ul>
26	Number of books in departmental library, if any	100
27	Number of journals / periodicals in the departmental library	Nil
28	Number of computers	116
29	Annual budget in 2015-16 (excluding salary)	21.80 Lakhs

**Department of Life Science:**

S.N.	Particulars	Information
1	Name of department	Department of Life Science
2	Year of establishment	2008
3	Courses / programmes and subject combinations offered	M. Sc. Life Science
4	Number of teaching posts sanctioned and filled	--
5	Number of administrative staff	--
6	Number of technical staff	--
7	Student enrolments (Men / Women) give details course-wise	Men = 6 Women = 7
8	Ratio of teacher to students	1:2.6
9	Ratio of teacher to research scholars	--
10	Number of research scholars who have obtained their master's degree from other institutions	--
11	Number of teachers in academic bodies of other autonomous / affiliated colleges and universities	1
12	Latest revision of the curriculum	2015-16
13	Number of students passed in NET / SLET (last 5 years)	14
14	Success rate of students	100%
15	Demand ratio (No. of seats: No. of applications)	1:1.538
16	Awards and recognition received by faculty (last 5 years)	2
17	Faculty who have attended Natl. / Intl. seminars (last 5 years)	1
18	Number of national / international seminars organized (last 5 years)	--
19	Number of teachers engaged in consultancy and the revenue generated	--
20	Number of ongoing projects and their total outlay	--
21	Research projects completed during last four years & their outlay	--
22	Number of inventions and patents	--
23	Number of Ph.D. theses guided during the last 4 years	6
24	Publications by faculty (last 4 years)	9
25	Average citation index and impact factor of publications	--
26	Number of books in departmental library, if any	--
27	Number of journals / periodicals in the departmental library	--
28	Number of computers	1
29	Annual budget in 2015-16 (excluding salary)	9.5 Lakhs

**Department of Wildlife Science:**

S.N.	Particulars	Information
1	Name of department	Department of Wildlife Science
2	Year of establishment	2010
3	Courses / programmes and subject combinations offered	M. Sc. Wildlife Science
4	Number of teaching posts sanctioned and filled	--
5	Number of administrative staff	--
6	Number of technical staff	--
7	Student enrolments (Men / Women) give details course-wise	27/10
8	Ratio of teacher to students	1:3.7
9	Ratio of teacher to research scholars	--
10	Number of research scholars who have obtained their master's degree from other institutions	--
11	Number of teachers in academic bodies of other autonomous / affiliated colleges and universities	1
12	Latest revision of the curriculum	2015-16
13	Number of students passed in NET / SLET (last 5 years)	--
14	Success rate of students	97.22%
15	Demand ratio (No. of seats: No. of applications)	1:1.913
16	Awards and recognition received by faculty (last 5 years)	1
17	Faculty who have attended Natl. / Intl. seminars (last 5 years)	1
18	Number of national / international seminars organized (last 5 years)	5
19	Number of teachers engaged in consultancy and the revenue generated	--
20	Number of ongoing projects and their total outlay	--
21	Research projects completed during last four years & their outlay	--
22	Number of inventions and patents	--
23	Number of Ph.D. theses guided during the last 4 years	--
24	Publications by faculty (last 4 years)	10
25	Average citation index and impact factor of publications	--
26	Number of books in departmental library, if any	--
27	Number of journals / periodicals in the departmental library	--
28	Number of computers	1
29	Annual budget in 2015-16 (excluding salary)	16.00 Lakhs

**Department of Commerce & Management:**

S. N.	Particulars	Information
1	Name of department	Commerce and Management
2	Year of establishment	2008
3	Courses / programmes and subject combinations offered	M.B.A, M.B.A(I.B), M.Com (Accounting and Finance)
4	Number of teaching posts sanctioned and filled	06
5	Number of administrative staff	Through Agency
6	Number of technical staff	Through Agency
7	Student enrolments (Men / Women) give details course-wise	<b>2012-13:</b> 34 Male and 13 Female <b>2013-14:</b> 62 Male and 09 Female <b>2014-15:</b> 56 Male and 27 Female <b>2015-16:</b> 38 Male and 22 Female
8	Ratio of teacher to students	1:13
9	Ratio of teacher to research scholars	1:5.5
10	Number of research scholars who have obtained their master's degree from other institutions	--
11	Number of teachers in academic bodies of other autonomous / affiliated colleges and universities	01: Member of Academic Council (Prof Rajeev Jain)
12	Latest revision of the curriculum	2015
13	Number of students passed in NET / SLET (last 5 years)	--
14	Success rate of students	75%
15	Demand ratio (No. of seats: No. of applications)	MBA = 1:1.500 MBA (IB) = 1:1.875 M.Com. (A&F) = 1:1.785
16	Awards and recognition received by faculty (last 5 years)	--
17	Faculty who have attended Natl. / Intl. seminars (last 5 years)	06 (All)
18	Number of national / international seminars organized (last 5 years)	05
19	Number of teachers engaged in consultancy and the revenue generated	--
20	Number of ongoing projects and their total outlay	02 (28.5 Lakhs)

21	Research projects completed during last four years & their outlay	Nil
22	Number of inventions and patents	Nil
23	Number of Ph.D. theses guided during the last 4 years	22
24	Publications by faculty (last 4 years)	<ul style="list-style-type: none"> <li>• in Journals (national / international): 42</li> <li>• in Conference Proceedings: 13</li> <li>• Chapters in Books: 16</li> <li>• Edited Books: 14</li> </ul>
25	Average citation index and impact factor of publications	--
26	Number of books in departmental library, if any	No Departmental Library
27	Number of journals / periodicals in the departmental library	No Departmental Library
28	Number of computers	30
29	Annual budget in 2015-16 (excluding salary)	28.00 Lakhs

### Department of Social Sciences:

S.N.	Particulars	Information																																											
1	Name of department	Social Sciences																																											
2	Year of establishment	2007																																											
3	Courses / programmes and subject combinations offered	<ul style="list-style-type: none"> <li>• M. A. / M. Sc. Geography</li> <li>• M. A. Development Studies</li> <li>• Master of Social Work</li> </ul>																																											
4	Number of teaching posts sanctioned and filled	6-3																																											
5	Number of administrative staff	No Permanent Adm. Staff 01 clerk and 01 peon both are hired through agency																																											
6	Number of technical staff	Nil																																											
7	Student enrolments (Men / Women) give details course-wise	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Courses</th> <th>Year</th> <th>M</th> <th>F</th> </tr> </thead> <tbody> <tr> <td rowspan="4">M.A. / M.Sc. Geography</td> <td>2012-13</td> <td>24</td> <td>13</td> </tr> <tr> <td>2013-14</td> <td>18</td> <td>06</td> </tr> <tr> <td>2014-15</td> <td>16</td> <td>07</td> </tr> <tr> <td>2015-16</td> <td>17</td> <td>11</td> </tr> <tr> <td rowspan="4">M.S.W</td> <td>2012-13</td> <td>27</td> <td>13</td> </tr> <tr> <td>2013-14</td> <td>29</td> <td>10</td> </tr> <tr> <td>2014-15</td> <td>18</td> <td>17</td> </tr> <tr> <td>2015-16</td> <td>19</td> <td>08</td> </tr> <tr> <td rowspan="4">M. A. Develop. Studies</td> <td>2012-13</td> <td>--</td> <td>--</td> </tr> <tr> <td>2013-14</td> <td>10</td> <td>02</td> </tr> <tr> <td>2014-15</td> <td>06</td> <td>01</td> </tr> <tr> <td>2015-16</td> <td>21</td> <td>--</td> </tr> </tbody> </table>	Courses	Year	M	F	M.A. / M.Sc. Geography	2012-13	24	13	2013-14	18	06	2014-15	16	07	2015-16	17	11	M.S.W	2012-13	27	13	2013-14	29	10	2014-15	18	17	2015-16	19	08	M. A. Develop. Studies	2012-13	--	--	2013-14	10	02	2014-15	06	01	2015-16	21	--
Courses	Year	M	F																																										
M.A. / M.Sc. Geography	2012-13	24	13																																										
	2013-14	18	06																																										
	2014-15	16	07																																										
	2015-16	17	11																																										
M.S.W	2012-13	27	13																																										
	2013-14	29	10																																										
	2014-15	18	17																																										
	2015-16	19	08																																										
M. A. Develop. Studies	2012-13	--	--																																										
	2013-14	10	02																																										
	2014-15	06	01																																										
	2015-16	21	--																																										
8	Ratio of teacher to students	1:10																																											
9	Ratio of teacher to research scholars	1:3:2																																											
10	Number of research scholars who have obtained their master's degree from other institutions	01																																											
11	Number of teachers in academic bodies of other autonomous / affiliated colleges and universities	01																																											
12	Latest revision of the curriculum	Every year by BOS																																											
13	Number of students passed in NET / SLET (last 5 years)	04																																											
14	Success rate of students	Above 90%																																											
15	Demand ratio (No. of seats: No. of applications)	Geography = 1:1.964 MSW = 1:1.814 Dev. Studies = 1: 857																																											
16	Awards and recognition received by faculty (last 5 years)	Nil																																											

17	Faculty who have attended Natl. / Intl. seminars (last 5 years)	<ul style="list-style-type: none"> <li>• in Journals (national / international): 09</li> <li>• in Conference Proceedings: 01</li> <li>• Chapters in Books: 11</li> <li>• Edited Books: 04</li> </ul>
18	Number of national / international seminars organized (last 5 years)	03
19	Number of teachers engaged in consultancy and the revenue generated	Nil
20	Number of ongoing projects and their total outlay	01= UGC sponsored minor research project on the topic ' <i>Economic, social &amp; environmental effects of petroleum &amp; coal production on Barmer district</i> ' by Mr. K. R. Chuoudhary.
21	Research projects completed during last four years & their outlay	Nil
22	Number of inventions and patents	Nil
23	Number of Ph.D. theses guided during the last 4 years	Nil
24	Publications by faculty (last 4 years)	09
25	Average citation index and impact factor of publications	Nil
26	Number of books in departmental library, if any	No Department Library
27	Number of journals / periodicals in the departmental library	No Department Library
28	Number of computers	2 PC + 3 Laptops
29	Annual budget in 2015-16 (excluding salary)	25-15=10 lac Approx

**School of Heritage, Tourism, Museology & Archaeology:**

S.N.	Particulars	Information
1	Name of department	School of Heritage, Tourism, Museology and Archaeology
2	Year of establishment	2010
3	Courses / programmes and subject combinations offered	M.A.
4	Number of teaching posts sanctioned and filled	Sanctioned = 4 Filled = Nil
5	Number of administrative staff	--
6	Number of technical staff	--
7	Student enrolments (Men / Women) give details course-wise	Men = 21 Women = 05
8	Ratio of teacher to students	1:13
9	Ratio of teacher to research scholars	--
10	Number of research scholars who have obtained their master's degree from other institutions	--
11	Number of teachers in academic bodies of other autonomous / affiliated colleges and universities	1
12	Latest revision of the curriculum	2015-16
13	Number of students passed in NET / SLET (last 5 years)	--
14	Success rate of students	100%
15	Demand ratio (No. of seats: No. of applications)	1:2.000
16	Awards and recognition received by faculty (last 5 years)	1
17	Faculty who have attended Natl. / Intl. seminars (last 5 years)	--
18	Number of national / international seminars organized (last 5 years)	--
19	Number of teachers engaged in consultancy and the revenue generated	--
20	Number of ongoing projects and their total outlay	1
21	Research projects completed during last four years & their outlay	--
22	Number of inventions and patents	--
23	Number of Ph.D. theses guided during the last 4 years	--
24	Publications by faculty (last 4 years)	• in Journals (national / international): 15

		<ul style="list-style-type: none"> <li>• Chapters in Books: 08</li> <li>• Edited Books: 05</li> </ul>
25	Average citation index and impact factor of publications	--
26	Number of books in departmental library, if any	--
27	Number of journals / periodicals in the departmental library	--
28	Number of computers	1
29	Annual budget in 2015-16 (excluding salary)	9.00 Lakhs

### Department of Physical Education and Sports:

S.N.	Particulars	Information		
1	Name of department	Department of Physical Education & Sports		
2	Year of establishment	2005-06		
3	Courses / programmes and subject combinations offered	M. P. Ed.		
4	Number of teaching posts sanctioned and filled	Sanctioned: 01 Filled: 01		
5	Number of administrative staff	UDC: 01		
6	Number of technical staff	None		
7	Student enrolments (Men / Women) give details course-wise	<b>Year</b>	<b>M</b>	<b>W</b>
		2012-13	55	15
		2013-14	46	20
		2014-15	43	19
7	Student enrolments (Men / Women) give details course-wise	2015-16	59	19
		8 Ratio of teacher to students		
		9 Ratio of teacher to research scholars		
		10 Number of research scholars who have obtained their master's degree from other institutions		
11	Number of teachers in academic bodies of other autonomous / affiliated colleges and universities	01		
12	Latest revision of the curriculum	2015-16		
13	Number of students passed in NET / SLET (last 5 years)	09		
14	Success rate of students	96.50%		
15	Demand ratio (No. of seats: No. of applications)	1:3.200		
16	Awards and recognition received by faculty (last 5 years)	--		
17	Faculty who have attended Natl. / Intl. seminars (last 5 years)	01		
18	Number of national / international seminars organized (last 5 years)	--		
19	Number of teachers engaged in consultancy and the revenue generated	--		
20	Number of ongoing projects and their total outlay	--		
21	Research projects completed during last four years & their outlay	--		
22	Number of inventions and patents	--		
23	Number of Ph.D. theses guided during the last 4 years	--		

24	Publications by faculty (last 4 years)	02
25	Average citation index and impact factor of publications	--
26	Number of books in departmental library, if any	--
27	Number of journals / periodicals in the departmental library	--
28	Number of computers	02
29	Annual budget in 2015-16 (excluding salary)	74.00 Lakhs

**Department Law:**

S.N.	Particulars	Information
1	Name of department	Department of Law
2	Year of establishment	2005-06
3	Courses / programmes and subject combinations offered	LL.M.
4	Number of teaching posts sanctioned and filled	--
5	Number of administrative staff	--
6	Number of technical staff	--
7	Student enrolments (Men / Women) give details course-wise	23 / 18
8	Ratio of teacher to students	1:5.12
9	Ratio of teacher to research scholars	--
10	Number of research scholars who have obtained their master's degree from other institutions	--
11	Number of teachers in academic bodies of other autonomous / affiliated colleges and universities	1
12	Latest revision of the curriculum	2015-16
13	Number of students passed in NET/SLET (last 5 years)	--
14	Success rate of students	100%
15	Demand ratio (No. of seats: No. of applications)	1:1.370
16	Awards and recognition received by faculty (last 5 years)	--
17	Faculty who have attended Natl. / Intl. seminars (last 5 years)	3
18	Number of national / international seminars organized (last 5 years)	--
19	Number of teachers engaged in consultancy and the revenue generated	--
20	Number of ongoing projects and their total outlay	--
21	Research projects completed during last four years & their outlay	--
22	Number of inventions and patents	--
23	Number of Ph.D. theses guided during the last 4 years	--
24	Publications by faculty (last 4 years)	--
25	Average citation index and impact factor of publications	--
26	Number of books in departmental library, if any	--
27	Number of journals / periodicals in the departmental library	--
28	Number of computers	1
29	Annual budget in 2015-16 (excluding salary)	2.2 Lakhs



## **DEPARTMENT-WISE EVALUATIVE REPORT**

# DEPARTMENT-WISE EVALUATIVE REPORT



## Faculty of Science

- Department of Pure & Applied Chemistry
- Department of Pure & Applied Physics
- Department of Pure & Applied Mathematics
- Department of Computer Science & Informatics
- Department of Life Science
- Department of Wildlife Science

## Evaluative Report of the Department (from April 2012 to March 2016)

- 1. Name of the Department:**  
Department of Pure & Applied Chemistry
- 2. Year of Establishment:**  
2007
- 3. Is the Department Part of a School / Faculty of the University?**  
Yes, Department of Pure & Applied Chemistry is the part of Faculty of Science.

- 4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D. Lit., etc.):**

Level	Name of the Programme	Discipline / Subject
PG	M.Sc.	Chemistry
		Specializations: (i) Organic Chemistry
		(ii) Analytical Chemistry
PG	M.Sc.	Industrial Chemistry
M. Phil.	M.Phil.	Chemistry
Ph.D.	Ph.D.	Chemistry

- 5. Interdisciplinary Programmes and Departments Involved:**  
Department of Pure & Applied Chemistry is running M.Sc. Chemistry with some inter-disciplinary papers such as Mathematics for Chemists, Biology for Chemists, Computer for Chemists, etc. Similarly, M.Sc. Industrial Chemistry has also some inter-disciplinary papers such as Mathematical Applications in Industrial Chemistry, Computer Applications in Industrial Chemistry.
- 6. Courses in collaboration with other universities, industries, foreign institutions, etc.:**  
The Department has not been running any course in collaboration with other universities, industries, foreign institutions. However, the Department is working collaboratively with some Industries / Organizations like DCM Shriram (Kota), Kota Thermal Power Plant (Kota), Rajasthan Atomic Power Plant (Rawatbhata), Chambal Fertilizers (Gadepan, Kota), etc. to complete some assignments / industrial projects.

**7. Details of programmes discontinued, if any, with reasons:**

No course has been discontinued in the Department of Pure & Applied Chemistry.

**8. Examination System: Annual / Semester / Trimester / Choice Based Credit System:**

The Department is running its courses under semester scheme of examinations with choice based credit system and continuous internal assessment pattern for M.Sc. Chemistry and M.Sc. Industrial Chemistry.

**9. Participation of the department in the courses offered by other departments:**

At present there is no participation in the courses offered by other departments but any Department starts any course in future containing any part or application of Chemical Sciences in its curriculum, the faculty members of the Department of Pure & Applied Chemistry are always available to provide their service to other departments to enhance the knowledge of students in the field of the chemical sciences.

**10. Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Assistant Professors / others):**

Name of Posts	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professors	02	02	02
Assistant Professors	03	03	03
Others	--	--	--

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

Name	Qualification	Designation	Specialization	No. of Yrs of Exp.	No. of Ph.D. / M.Phil. guided (last 4 yrs.)
Prof. Ashu Rani	M.Sc., Ph.D.	Professor	Physical chemistry, fly ash & its utilization, material science, polymer science, atmospheric science, heterogeneous	20	08

Name	Qualification	Designation	Specialization	No. of Yrs of Exp.	No. of Ph.D. / M.Phil. guided (last 4 yrs.)
			catalysis, kinetic studies, etc.		
Dr. Neelu Chouhan	M.Sc., Ph.D.	Associate Professor	Physical chemistry, kinetic studies, nano-molecular devices, hydrogen and oxygen generation via water splitting, quantum dots, photo-electro-chemistry, surface studies, photosynthesis, material science, etc.	19	01
Dr. Bhawani Singh	M.Sc., Ph.D.	Associate Professor	Organic chemistry, heterocyclic chemistry, medicinal chemistry, organic synthesis, asymmetric synthesis, green chemistry, catalysis, QSAR study, drug discovery & development, etc.	13	09
Dr. Sushil K. Sharma	M.Sc., Ph.D.	Assistant Professor	Organic chemistry, electro-organic synthesis, green chemistry, bio-catalysis, electro-chemical sensor, corrosion	09	Nil
Sh. Ankit	M.Sc., SLET	Assistant	Organic	05	Nil

Name	Qualification	Designation	Specialization	No. of Yrs of Exp.	No. of Ph.D. / M.Phil. guided (last 4 yrs.)
Sharma		Professor	chemistry, FA / CNT reinforced polyurethane and epoxy composites, Corrosion		
Dr. Shweta Vyas	M.Sc., Ph.D.	Assistant Professor	Organic chemistry, organo-kinetics, green chemistry, waste management, and water purification	09	Nil

**12. List of guest faculty, senior visiting fellows, adjunct faculty, emeritus professors:**

S. No.	Name	Qualification	Specialization	No. of Years of Exp.	No. of Ph.D. / M.Phil. guided (last 4 yrs)
1.	Dr. Arun Kumar	M.Sc., Ph.D.	Applied maths & math. model.	21	13
2.	Dr. Shweta Saxena	M.Sc., Ph.D.	Physical Chemistry	15	01
3.	Dr. Bhartiya Sharma	M.Sc., Ph.D.	Analytical Chemistry	08	01
4.	Dr. M. K. Jain	M.Sc., Ph.D.	Inorganic Chemistry	30	----
5.	Dr. Shweta Nagar	M.Sc., Ph.D.	Organic Chemistry	11	----
6.	Dr. Alka Singh	M.Sc., Ph.D.	Organic Chemistry	03	----
7.	Ms. Neeta Gurbani	M.Sc., Ph.D. (Pursuing)	Organic Chemistry	01	----
8.	Sh. Rajesh Kr. Meena	M.Sc., Ph.D. (Pursuing)	Inorganic Chemistry	02	----
9.	Dr. Neeru Choudhary	M.Sc., Ph.D. (Pursuing)	Organic Chemistry	01	----
10.	Dr. Mradula Khandelwal	M.Sc., Ph.D.	Botany	05	----
11.	Sh. Pradeep K. Agarwal	M. Tech.	Computers	09	----
12.	Dr. Manjul Mishra	M.Sc., Ph.D.	Organic Chemistry	15	----

**13. Percentage of classes taken by temporary faculty: programme-wise information:**

Level	Name of the Programme	Discipline / Subject	Percentage
PG	M.Sc.	M.Sc. Chemistry (I& II Sem)	13.63%
		M.Sc. Organic Chemistry (III & IV Sem)	31.81%
		M.Sc. Analytical Chemistry (III & IV Sem)	36.36%
PG	M.Sc.	M.Sc. Industrial Chemistry (I&II Sem)	38.00%
		M.Sc. Industrial Chemistry (III&IV Sem)	42.00%
M.Phil.	M.Phil.	Chemistry	--

**14. Programme-wise teacher-students ratio:**

Level	Name of the Programme	Discipline/ Subject	Teacher / Student Ratio
PG	M.Sc.	M.Sc. Chemistry (I& II Sem)	1:4.0
		M.Sc. Organic Chemistry (III & IV Sem)	1:2.5
		M.Sc. Analytical Chemistry (III & IV Sem)	1:1.5
PG	M.Sc.	M.Sc. Industrial Chemistry (I&II Sem)	1:2.5
		M.Sc. Industrial Chemistry (III&IV Sem)	1:2.4
M. Phil.	M.Phil.	Chemistry	--

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:**

Name of Posts	Sanctioned	Filled	Actual
<b>Academic Support Staff</b>			
(i) Technical Assistant	Nil	Nil	Nil
(ii) Lab. Assistant	Nil	Nil	Nil
(iii) Store Keeper	Nil	Nil	Nil
(iv) Lab. Boys	Nil	Nil	Nil
<b>Administrative / Office Staff</b>			
(i) Section Officer	Nil	Nil	Nil
(ii) UDC	Nil	Nil	Nil
(iii) LDC	Nil	Nil	02*
(iv) Peon	Nil	Nil	02*
(v) Sweeper	Nil	Nil	Nil

\* Employed through placement agency.

**16. Research thrust areas as recognized by major funding agencies:**

Name of Faculty	Research Thrust Areas / Specialization
Prof. Ashu Rani	Physical chemistry, fly ash & its utilization, material science, polymer science, atmospheric science, heterogeneous catalysis, kinetic studies, etc.
Dr. Neelu	Physical chemistry, kinetic studies, nano-molecular

Chouhan	devices, hydrogen and oxygen generation via water splitting, quantum dots, photo-electrochemistry, surface studies, photosynthesis, material science, etc.
Dr. Bhawani Singh	Organic chemistry, heterocyclic chemistry, medicinal chemistry, organic synthesis, asymmetric synthesis, green chemistry, catalysis, QSAR study, drug discovery & development, etc.
Dr. Sushil K. Sharma	Organic chemistry, electro-organic synthesis, green chemistry, bio-catalysis, electro-chemical sensor, corrosion.
Sh. Ankit Sharma	Organic chemistry, FA / CNT reinforced polyurethane and epoxy composites.
Dr. Shweta Vyas	Physical chemistry, chemical kinetics, green chemistry, waste management, and water purification.

**17. Number of faculty with completed and ongoing projects from**

- (a) National : **18**  
 (b) International funding agencies : **01**  
 (c) Total grants received : **171.16 Lakhs + SEK 27**

Details of the completed projects with names of the funding agencies, project title and grants received project-wise : **09**

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
1.	Prof. Ashu Rani	Synthesis, characterization and application of several catalytic materials based on coal generated fly ash.	DST, New Delhi	63.00	63.00	2009-2012
2.	Prof. Ashu Rani	Some mathematical models for pollutant uptakes plants.	Min. of Environ. & Forestry	07.50	7.50	2010-2013
3.	Prof. Ashu Rani	Designing climate-smart water adaptation strategies for sustainable urban development: A study in Cochabamba, Bolivia and Kota, India.	SIDA Govt. of Sweden	SEK 27	SEK 27	2010-2013
4.	Prof. Ashu Rani	Removal of Arsenic from industrial effluents using lime stone	DST, Rajasthan	00.13	00.13	2010-2011

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
		(Kota stone slurry) as an effective adsorptive material				
5.	Prof. Ashu Rani	Synthesis and characterization of an efficient and recyclable solid acid catalyst from fly ash by an environmental friendly low cost process	DST, Rajasthan	00.12	00.12	2010-2011
6.	Prof. Ashu Rani	Degradation of Polythene using an effective fly ash supported catalyst	DST, Rajasthan	00.13	00.13	2010-2011
7.	Prof. Ashu Rani	Adsorptive properties of Perlite (volcanic ash) and its utilization as selective adsorption cat. for removal of dyes and org. acids	DST, Rajasthan	00.12	00.12	2010-2011
8.	Sushil Kr. Sharma	Bio-transformation of prochiral ketones to pharma-ceutically used chiral alcohols by Baker's Yeast	DST, Rajasthan	00.10	00.10	2014-2015
9.	Sushil Kr. Sharma	Baker's yeast: A green chemical method for the enantio-selective reduction of carbonyl compounds	DST, Rajasthan	00.10	00.10	2014-2015

Details of the ongoing projects with names of the funding agencies, project title and grants received project-wise: **10**

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
1.	Prof. Ashu	Development of	DST,	39.00	39.00	2013-

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
	Rani	application specific low cost adsorptive materials from fly ash from removal of toxic chemicals from industrial effluents and for waste water treatment.	New Delhi			2016
2.	Dr. Neelu Chouhan	Development of the opto-electronic materials for water splitting	DST, New Delhi	30.00	30.00	2014-2017
3.	Dr. Neelu Chouhan	Eco-friendly photocatalytic degradation of plastic waste for LPG production,	DST, Rajasthan	00.13	00.13	2014-2015
4.	Dr. Bhawani Singh	Synthesis and evaluation of pharmacological profile of some novel hetero ring fused five-, six- and seven-membered heterocyclic compounds and their derivatives	UGC, New Delhi	05.25	0.00 (in UOK)	2012-2015
5.	Dr. Bhawani Singh	Application of MCRs in drug discovery: Synthesis and evaluation of therapeutic profile of some novel spirocyclic heterocycles	DST-SERB	11.58	04.80	2013-2016
6.	Sushil Kr. Sharma	Bio-transformation of prochiral ketones to pharmaceutically used chiral alcohols by Baker's Yeast	DST, Rajasthan	00.10	00.10	2014-2015
7.	Sushil Kr. Sharma	Baker's Yeast: A green chemical method for the enantioselective	DST, Rajasthan	00.10	00.10	2014-2015

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
		reduction of carbonyl compounds				
8.	Dr. Sushil Kr. Sharma	Baker's yeast mediated synthesis of some bioactive chiral alcohols	UGC, New Delhi	06.00	06.00	2014-2015
9.	Sh. Ankit Sharma	The study of mechanical, electrical, and thermal properties of cnt-reinforced polyurethane composites using aliphatic, aromatic and bio-based binders for innovative materials in space application.	from UoK under UGC XII Plan Development Fund	02.00	02.00	2014-2016
10.	Dr. Shweta Vyas	A comparative study of kinetics & mechanism of some redox reactions.	UGC, New Delhi	6.00	6.00	2014-2016

**18. Inter-institutional collaborative projects and associated grants received:**

(a) **National collaboration** : None

(b) **International collaboration:** Designing climate-smart water adaptation strategies for sustainable urban development: A study in Cochabamba, Bolivia and Kota, India. Collaboration with Linkoping University, Sweden.

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc. and total grants received:**

Title of Project	Funding Agency	Duration	Amounts Sanctioned (in Lacs)	Amounts Received (in Lacs)
DST-FIST	DST	2015-2018	95.00	75.00

**20. Research facility / centre with:**

• **State recognition:**

- (i) Organic Chemistry, Heterocyclic Chemistry, Medicinal Chemistry
- (ii) Physical Chemistry, Chemical Kinetics, Quantum Chemistry,

Electrochemistry  
 (iii) Polymer science, waste management

- **National recognition:**
  - (i) Heterocyclic Chemistry, Medicinal Chemistry
  - (ii) Drug discovery & development
  - (iii) Catalysis
  - (iv) Atmospheric Science
- **International recognition:**
  - (i) Fly ash and its utilization
  - (ii) Material science

**21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil**

**22. Publications:**  
 ❖ **Number of papers published in peer reviewed journals (national / international) : 87**

S. No.	Title of the paper	Author's Name	Name of the Journal	Year	Vol.	Page
1.	Synthesis and characterization of novel aminopropylated fly ash catalyst and its beneficial application in base catalyzed Knoevenagel condensation reaction	Deepti Jain, Manish Mishra, Ashu Rani	<i>Fuel Processing Technology</i>	2012	95	119-126
2.	Modification in Properties of Fly Ash through Mechanical and Chemical Activation	Anita Sharma, Khushboo Srivastava, Vijay Devra and Ashu Rani	<i>American Chemical Science Journal</i>	2012	2	177-187
3.	Oxidation and mechanism of silver (I) catalyzed oxidation of valine by cerium (IV) in acid perchlorate medium	Manju Bala Yadav, Vijay Devra and Ashu Rani	<i>Oxidation Communications</i>	2012	35	378-388
4.	Leaching chemistry of fluorides from alkaline soil: A kinetic approach	Shweta Saxena, Ultra Chandrawat and Ashu Rani	<i>Indian Journal of Environmental Protection</i>	2012	32	117-125
5.	Fluoride ion leaching kinetics for alkaline soils of Indian origin	Shweta Saxena and Ashu Rani	<i>Journal of Scientific Research and Reports</i>	2012	1	29-40
6.	Kinetics of Pd(II) catalyzed oxidation of S(IV) by oxygen	K. S. Gupta, Usha Jain, Abhilasha Singh and Ashu Rani	<i>Journal of the Indian Chemical Society</i>	2012	89	1-9
7.	Defluoridation Kinetics over Lime Stone	Shefali Saxena, Khushboo	<i>International Journal of</i>	2013	2	17-19

	Slurry Impregnated Fly Ash	Srivastava, Ultra Chandrawat and Ashu Rani	<i>Scientific Research</i>			
8.	Acid Activated fly Ash, as a Novel Solid Acid Catalyst for Esterification of Acetic Acid	Anita Sharma, Sakshi Kabra, Stuti Katara and Ashu Rani	<i>Indian Journal of Applied Research</i>	2013	3	37-39
9.	DRIFT-Spectroscopic Study of Modification Of Surface Morphology of Perlite During Thermal Activation	Sakshi Kabra, Anita Sharma, Stuti Katara, Renu Hada and Ashu Rani	<i>Indian Journal of Applied Research</i>	2013	3	40- 42
10.	Synthesis of Nanosized Titania by sol Gel Route	Renu Hada, Sakshi Kabra, Stuti Katara, Ashu Rani, Vijay Devra and S. S. Amritphale	<i>Indian Journal of Applied Research</i>	2013	3	49-50
11.	Pure Silica Extraction from Perlite: Its Characterization and Affecting factors	Khushboo Srivastava, Niharika Shringi, Vijay Devra and Ashu Rani	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>	2013	2	2936-2942
12.	Surface Modification of Fly Ash by Thermal Activation: A DR/FTIR Study	Stuti Katara, Sakshi Kabra, Anita Sharma, Renu Hada and Ashu Rani	<i>International Research Journal of Pure &amp; Applied Chemistry</i>	2013	3	299-307
13.	Acid Activated fly Ash, as a Novel Solid Acid Catalyst for Esterification of Acetic Acid	Sakshi Kabra, Anita Sharma, Stuti Katara and Ashu Rani	<i>Indian Journal of Applied Research</i>	2013	3	37-39
14.	Kinetics and leaching study of nitrate and nitrite on urea hydrolysis in alkaline soil	Bhartiya Sharma and Ashu Rani	<i>International Journal of Plant &amp; Soil Science</i>	2013	2	70-81
15.	A novel synthesis process for making nickel oxide nanoparticles	Renu Hada, Ashu Rani, Vijay Devra and S. S. Amritphale	<i>International Journal of Pure and Applied Chemistry</i>	2013	3	111-117
16.	Removal of fluoride from contaminated water using lime stone slurry impregnated fly ash	Shefali Saxena, Shweta Saxena, Ultra Chandrawat and Ashu Rani	<i>Journal of Industrial of Pollution control</i>	2013	29	7-12
17.	Characterization and Study of Turkish Perlite	Sakshi Kabra, Stuti Katara and Ashu Rani	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>	2013	2	4319-4326

18.	Studies of inorganic anions at different depth of agriculture soil and its correlation with ground water pollution	Bhartiya Sharma and Ashu Rani	<i>IOSR Journal of Applied Chemistry</i>	2013	3	8-15
19.	Modeling of analysis of salt transport in the single cylindrical root with finite length	Arun Kumar, Beena Sharma and Ashu Rani	<i>International Journal of Biomathematics</i>	2013	6	1-9
20.	Surface Modification of Fly Ash for Active Catalysis	Deepti Jain, Renu Hada and Ashu Rani	<i>Journal of Catalysts</i>	2013	-	1-9
21.	Fly ash supported scandium triflate as an active recyclable solid acid catalyst for Friedel-Crafts acylation reaction	Ashu Rani, Chitralekha Khatri and Renu Hada	<i>Fuel Processing Technology</i>	2013	116	366-373
22.	Adsorptive removal of adipic acid from their aqueous waste over alkali activated power plant fly ash	Monika Dakshene, Ashu Rani and P.D. Sharma	<i>Journal of Indian Chemical Society</i>	2013	1	114-120
23.	Removal and Kinetics of Oxalic Acid Adsorption from Aqueous Waste over Alkali Activated Power Plant Fly Ash	Monika Dakshene, Ashu Rani and P.D. Sharma	<i>International Journal of Chemical Studies</i>	2013	90	505-511
24.	Fly Ash Supported Perchloric Acid (PAFA): A Green, Highly Efficient and Recyclable Heterogeneous Catalyst for Series of Esterification	Anita Sharma, Vijay Devra and Ashu Rani	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>	2014	3	8607-8619
25.	Fly ash supported vanadia catalyst: An efficient catalyst for vapor phase partial oxidation of toluene in a micro-reactor	Khushboo Srivastava, Vijay Devra and Ashu Rani	<i>Fuel Processing Technology</i>	2014	121	1-8
26.	Characterization of Wet and Dry Deposition at an Industrial City of Western India	Manju Meena, Bharat Singh Meena, Ultra Chandrawat and Ashu Rani	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>	2014	03	9050-9056
27.	Seasonal Variations and Sources of Heavy Metals in Free Fall Dust at an Industrial City of Western India.	Manju Meena, Bharat Singh Meena, Ultra Chandrawat and Ashu Rani	<i>Iranica Journal of Energy &amp; Environment</i>	2014	5(2)	160-166
28.	Environmental benign route for the utilization of fly ash as heterogeneous acid catalyst for various organic transformations	K. Srivastava, N. Shringi, V. Devra, A. Rani.	<i>Int J. IT, Eng. Appl. Sci. Res</i>	2014	5	

29.	The Leaching Kinetics of Nitrate in Soil Using Glass Column Method	Anuj Kumar Garg <sup>1</sup> , A. K. Gupta <sup>2*</sup> , Ashu Rani	<i>Inter. J. Inno. Res. Sci. Eng. Techno.</i>	2014	3(5)	12486-95
30.	An Effect of Cation on Leaching of Fluoride From Saline Soils: A Kinetic Approach	S. Saxena, Anuj Kumar Garg, A. Rani, A. K. Gupta.	<i>Inter. J. Inno. Res. Sci. Eng. Techno.</i>	2014	3(2)	9302-10
31.	A facile method for production of Amorphous Silica from Perlite under Microwave Irradiation	K. Srivastava, N. Shringi, V. Devra, A. Rani.	<i>Inter. J. IT, Eng. Appl. Sci. Res,</i>	2015	4(3)	18-24
32.	Microwave Assisted Acid Activation of Fly Ash: A Green Process for Enhancing its Physico-Chemical Attributes for Esterification under Dielectric Heating	N. Shringi, K. Srivastava, A. Rani	<i>Chemical Science Review and Letters,</i>	2015	4	561-570
33.	Climate change adaptation in urban India: The inclusive formulation of local adaptation strategies.”	A.C. Jonsson, B. Rydhagen, J. Wilk, A.R. Feroz, A. Rani, A. Kumar	<i>Global NEST J.</i>	2015	17	61-71
34.	Transport of solutes under transient flow conditions–A case study–Yamuna river sub basin (Kosi Kalan to Agra)	A. Kumar, A. K. Sharma and A. Rani.	<i>International Soil and Water Conservation Research</i>	2015	4(3)	209–223
35.	Seasonal Variation of Selected Metals in Particulate Matter at an Industrial City Kota, India	M. Meena, B. S. Meena, U. Chandrawat, A. Rani	<i>Aerosol and Air Quality Research,</i>	2016	16(4)	990-999
36.	CdSe(QDs)@ ZnO Nanotubes as an Effective Photoanode.	Neelu Chouhan, Chai Ling Yeh, Shu-Fen Hu, Prof. Dr. Ru-Shi Liu, Wen-Sheng Chang, and Kuei-Hsien Chen	<i>Chem. Commun.</i>	2011	47	3493-3495
37.	Solid Solution Cd-ZnGeON: Local Electronic Environment Against Their Photocatalytic Ability of Water Cleavage	Neelu Chouhan, Ru-Shi Liu and Shu-Fen Hu,	<i>Journal of Materials Chem. A</i>	2013	1	7422-7432.
38.	Rare Earth-Free GaZnON Phosphor Prepared by Combustion for White Light-Emitting Diodes"	Neelu Chouhan, Chun Che Lin, Shu-Fen Hu, and Ru-Shi Liu	<i>Journal of Materials Chemistry C</i>	2015	3	1473-1479
39.	Biosynthesis Of Silver Nanoparticles Using Trachyspermum Ammi And Evaluation Of Their Antibacterial Activities	Neelu Chouhan and Rajesh Kumar Meena	<i>J. Pharm. Biochemical Sciences-</i>	2015	6	1077–1086
40.	Biosynthesis of Silver Nanoparticles from Plant	Rajesh Kumar Meena and Neelu	<i>Journal of Recent Sciences</i>	2015	4	1-5

	(Fenugreek Seeds) Reducing Method and their Optical Properties	Chouhan				
41.	ZnO Nanoparticles Synthesized by a Novel Approach at Room Temperature and Antibacterial activity	Rajesh Kumar Meena and Neelu Chouhan	<i>American International Journal of Research in Formal, Applied &amp; Natural Sciences,</i>	2015	11(1)	68-72
42.	Photocatalytic degradation of rose Bengal using nano barium chromate semiconducting particulate system.	Rakshit Ameta, Neelu Chouhan, Pinki B. Punjabi and Dinesh I. Prajapati	<i>Journal of Photocatalysis</i>	2015	119	219-226
43.	Improved Performance Of Dye Sensitized Solar Cell Using Carbon And Zinc Co-Doped Semiconductor .	Rakshit Ameta, Monika Trivedi, Neelu Chouhan and Chetna Ameta,	<i>International Journal of Renewable Energy Technology Research,</i>	2015	4	1-10
44.	Visible light harvesting Pt/CdS/Co-doped ZnO nanorods molecular device for hydrogen generation	Neelu Chouhan, Rakshit Ameta, Rajesh Kumar Meena, Niranjana Mandawat, and Rahul Ghildiyal	<i>International Journal of Hydrogen Energy</i>	2016	41	2298-2306
45.	Nano-sized Photocatalytic Materials for Solar Energy Conversion and Storage.	Rakshit Ameta, Dipti Soni, Surbhi Benjamin, Neelu Chouhan and Suresh C. Ameta	<i>Materials Science Forum</i>	2016	855	58-77
46.	Synthesis of novel precursors for Pfitzinger reaction: A facile one pot strategy to the synthesis of pyrazolo oxocarbazoles and pyrazolo oxoazocarbazoles precursors and their conversion to corresponding quinoline carboxylic acid derivatives	Ruchi Tyagi, Bhawani Singh & D. Kishore	<i>Journal of Chemical Sciences</i>	2012	124(2)	431-435
47.	Liquid chromatography tandem mass spectrometry method for quantification of Bupropion and hydroxy Bupropion in Human Plasma and its application to Bioequivalence Study.	P. Jain, N. Paliwal, N. Dubey, S. Sharma and Bhawani Singh	<i>International Journal of Drug Development &amp; Research</i>	2012	4	381-392
48.	A noteworthy mechanistic precedence in the exclusive formation of one regioisomer in the Beckmann rearrangement of ketoximes of	Ruchi Tyagi, Bhawani Singh and D. Kishore	<i>Synthetic Communications</i>	2013	43	16-25

	4-piperidones annulated to pyrazolo-indole nucleus by organocatalyst derived from TCT and DMF.					
49.	A novel synthetic protocol for the hetero annulation of oxocarbazole and oxoazacarbazole derivatives through corresponding oxoketene dithioacetals.	Ruchi Tyagi, Navjeet Kaur, Bhawani Singh and D. Kishore	<i>Journal of Heterocyclic Chemistry</i>	2014	51	18-23
50.	Application of cyclic ketones in MCR: Ugi/amide coupling based synthesis of fused tetrazolo[1,5- <i>a</i> ][1,4]benzodiazepines.	Swapnil G. Yerande, Kiran M. Newase, Bhawani Singh, André Boltjes, Alexander Dömling	<i>Tetrahedron Letters</i>	2014	55	3263-3266
51.	Chromatography method transfers from HPLC to a new generation instrument UPLC and studies on force degradation behavior of deflazacort	Madhavi Patel, Hetal Jebaliya, Batuk Dabhi, Yashwantsinh Jadeja, Nidhi Jani, Deepali Desai, Nirag Mavani, Bhawani Singh Yadav and A. Shah	<i>Der Pharmacia Lettre</i>	2015	7	142-149
52.	Development and validation of a stability indicating RP-UPLC method for the determination of Paracetamol and Ibuprofen in tablet	Sheetal Makwana, Madhavi Patel, Bhawani Singh, Jatin Upadhyay and Anamik Shah	<i>Journal of Chemical and Pharmaceutical Research</i>	2015	7	1308-1315
53.	Environmental and anthropogenic carcinogens and their carcinogenic effects on humans	Aruna Sharma, Dharma Kishore, and Bhawani Singh	<i>Journal of Biomedical and Pharmaceutical Research</i>	2015	4	01-13
54.	Synthesis and Spectral Characteristics of Novel 7-(4-substituted-phenyl)-2-(4-phenyl-thiazol-2-ylimino)-2,3-dihydro-thiazolo[4,5- <i>d</i> ]pyrimidine-5-thiols.	Khan Iram Anupama and Singh Bhawani	<i>Research Journal of Chemical Sciences</i>	2015	5	23-26
55.	Synthesis of Pharmacologically important some novel pyrimidine and chalcone moieties containing s-triazines	Anupma and Bhawani Singh	<i>American Chemical Science Journal</i>	2015	8	1-7
56.	Simultaneous quantification of the nortriptyline, bupropion, milnacipran, fluoxetine and sertraline of the antidepressant class of drugs by HPLC-UV: A simple, rapid and sensitive quantification method	Madhavi Patel, Sheetal Makwana, Hetal Jebaliya, Batuk Dabhi, Yashwantsinh Jadeja, Bawani Singh, Jatin	<i>Pharmanest-An International Journal of Advances in Pharmaceutical Sciences</i>	2015	6	2831-2833

		Upadhyay and Anamik Shah				
57.	1,4-Benzodiazepine: An overview of biological properties	Iram Khan, Anupama and Bhawani Singh	<i>Science Reviews &amp; Chemical Communications</i>	2015	5	13-20
58.	Simultaneous estimation of Tolterodine tartrate and Tamsulosin HCl by validated HPTLC assay method from combination capsule form	Madhavi Patel, Batuk Dabhi, Hetal Jebaliya, Bhawani Singh and Anamik Shah	<i>Journal of Chemical and Pharmaceutical Research</i>	2015	7	81-88
59.	Synthesis of 1,3,5-Triazine Based Pyrimidines as Potent Anti-bacterial and Anti-fungal Agents	Anupma and Bhawani Singh	<i>World Journal of Pharmaceutical Research</i>	2015	4	1396-1402
60.	Synthesis and biological evaluation of some novel aryl substituted thiazolyl-4-thiazolidinone fused pyrimidines as potent anti-microbial and anti-inflammatory agents	Iram Khan & Bhawani Singh	<i>International Journal of Chemistry and Pharmaceutical Sciences</i>	2015	3	1759-1763
61.	Synthesis of Isoxazoles and Pyrazoles Containing Pyrimidine Substituted s-Triazines.	Anupma and Bhawani Singh	<i>Chemical Science Transactions</i>	2015	4	649-653
62.	Synthesis and biological evaluation of some novel aryl substituted thiazolyl-4-thiazolidinone fused pyrimidines as potent anti-microbial and anti-inflammatory agents.	Iram Khan & Bhawani Singh	<i>International Journal of Chemistry and Pharmaceutical Sciences</i>	2015	3	1431-1435
63.	Recurrence of cancer with long term side effects of cancer treatment	Aruna Sharma, D. Kishore and Bhawani Singh	<i>World Journal of Pharmaceutical Research</i>	2015	4	888-901
64.	Synthesis and Characterization of Some Novel Isoxazoles and Pyrazoles of Carbazolo and Azacarbazolo Fused Quinoxalines	Neelam K. Yadav, D. Kishore, Bhawani Singh	<i>International Journal of Current Research</i>	2015	7	16074-16078
65.	Aryl substituted thiazolyl 4-thiazolidinopyrazoles and isoxazoles: Novel anti-microbial and anti-inflammatory agents	Iram Khan & Bhawani Singh	<i>International Journal of Scientific Research</i>	2015	4	3-5
66.	Application of Pfitzinger Reaction in the Synthesis of Hetero Ring Annelated QuinolineCarboxylic Acid Derivatives.	Taruna Yadav, Neelam K. Yadav, Manju Yadav Bhawani Singh and D. Kishore	<i>Asian Journal of Chemistry</i>	2016	28	1177-1180

67.	Chemo Selective Reduction of Aromatic Nitro Compounds to Aromatic Amines by Baker's Yeast in Basic Solution	Sushil Kumar Sharma, I. K. Sharma and P.S.Verma	<i>International Journal of Applied Chemistry</i>	2012	8	1-4
68.	Electrochemical reduction of <i>m</i> -Nitro benzoic acid at various electrode and pH.	Sushil Kumar Sharma, I.K.Sharma and P.S. Verma	<i>Research Journal of Pharmaceutical, Biological and Chemical Sciences</i>	2013	4	635-641
69.	Electrochemical Reduction of <i>p</i> -Nitrobenzamide at Stainless (SS-316) Electrode in Basic Media	Sushil Kumar Sharma, I.K.Sharma and P.S. Verma	<i>Research Journal of Chemical Sciences</i>	2013	5	1-4
70.	Synthesis of 3-Hydroxy cyclohexanone by Electrochemical and Microbial techniques	Sushil Kumar Sharma, Geeta Wadhvani, P.S.Verma and I.K.Sharma	<i>International Journal of Chem Tech Research,</i>	2014	6	1462-1469
71.	Electrochemical Reduction of 2-Methylcyclohexane-1, 3-Dione at Stainless Steel (SS-316) Electrode in Basic Media	Sushil Kumar Sharma, Geeta Wadhvani, P.S.Verma and I.K.Sharma	<i>Int .J. of Innovative Research in Science, Engg. &amp; Tech.</i>	2014	3	17837-17840
72.	Baker's Yeast:A green chemical method for the enantioselective reduction of carbonyl compounds	Sushil Kumar Sharma	<i>Indian Journal of Applied Research</i>	2016	1	9-10
73.	Kinetics and mechanism of the oxidation of oxalic and formic acid by tetraethyl-ammonium chlorochromate (TEACC)	S. Pohani, P. Purohit, S. Vyas and Pradeep K. Sharma	<i>Journal of Indian Chemical Society</i>	2012	89	363-369
74.	Kinetics and Mechanism of the Oxidative Regeneration of Carbonyl Compounds from Oximes by Imidazolium fluorochromate (IFC).	Amit Daiya, Shweta Vyas, Anita Kothari, P. Mishra, S. Agarwal and Vinita Sharma	<i>J.Chem. Biol. Phys. Sc.</i>	2012	2	1271-1280
75.	Kinetics and mechanism of the oxidation of secondary alcohols by Imidazolium Fluorochromate.	D. Sharma, P. Panchariya, Shweta Vyas, L. Kotai and Pradeep K. Sharma	<i>Int. J. Chem.</i>	2012	1	29 – 37
76.	Kinetic study of oxidation of lower oxyacids of phosphorous acids by Quinolinium chlorobromate(QCC).	Jagrity Khatri, D. Sharma, S. Vyas, Om Prakash and Vinita Sharma	<i>Int. J. Chem.,</i>	2012	1	353 – 360.
77.	Oxidation of Some Aliphatic Aldehydes by Quinolinium chlorobromate(QCC): A	Seema Panwar, Shilpa Pohani, Preeti Swami,	<i>Eur. Chem. Bull.</i>	2013	2	904-909

	kinetic and mechanistic Study	Shweta Vyas & Pradeep K. Sharma				
78.	Kinetics and mechanism of the oxidation of primary aliphatic alcohols by tetraethyl- ammonium chlorochromate (TEACC) .	K. Vadera , M. Patel, S. Vyas, P. Purohit, P. Pancharia and P.K. Sharma.	<i>Int. J. Chem. Sci.</i>	2013	9(3)	1094–1106
79.	Kinetics and mechanism of the oxidation of unsaturated acids by imidazolium fluorochromate (IFC) .	D. Baghmar P. Purohit, Shweta Vyas and Vinita Sharma.	<i>Int. J. Current Chem.</i>	2013	2(1)	9–18.
80.	Correlation analysis of reactivity in the oxidation of some vicinal and non-vicinal diols by tetraethyl ammonium chlorochromate (TEACC).	S. Pohani, P. Pancharia, P. Purohit, S. Vyas and P. K. Sharma.	<i>Int. J. Chem. Sci.</i>	2014	8(3)	1365–1378.
81.	Correlation analysis of reactivity in the Oxidation of substituted benzaldehydes by Bis[dipyridinesilver(i)] dichromate	U. Soni, D. Yajurvedi, S. Vyas, O. Prakash and Pradeep K. Sharma,	<i>Eur. Chem. Bull.</i>	1.	4	442-449
82.	Green Chemicals from Renewable resources: A Mini Review.	Shweta Vyas	<i>IJIRSET</i>	2015	4	1365-1369
83.	Oxidation of some vicinal and non-vicinal diols by imidazolium fluorochromate: A kinetic and mechanistic approach	Deepika Baghmar, P. Purohit , S. Vyas and Vinita Sharma	<i>J. Ind. Council Chem.</i>	2015	27(2)	134–139
84.	Kinetics and mechanism of the oxidation of oxalic and formic acid by tetraethyl-ammonium chlorochromate (TEACC)	S. Pohani, P. Purohit, S. Vyas and Pradeep K. Sharma.	<i>Journal of Indian Chemical Society</i>	2015	89(3)	363–369
85.	Kinetics and Mechanism of the Oxidation of DL-Methionine by Morpholinium Fluorochromate	A. Rao, S. Panwar, O. Prakash, Shweta Vyas, and P. K. Sharma.,;	<i>J. Chem. Bio. Phys. Sci. ; Section A</i>	2016	6 (3)	876-884
86.	Structure-reactivity correlation in oxidation of substituted benzyl alcohols by Tetraaminecopper(II)bis(permanganate).	M. Sharma, U.Songara, P. Swami, P. Purohit, Shweta Vyas and Pradeep K Sharma	<i>Int. J. Chem.</i>	2016	5 (1)	74 – 82.
87.	Kinetics and Mechanism of the Oxidative Regeneration of Carbonyl Compounds from Oximes by Imidazolium fluorochromate (IFC).	A. Daiya, Shweta Vyas, A. Kothari, P. Mishra, S. Agarwal and Vinita Sharma	<i>J. Chem. Biol. Phys. Sc</i>	2016	2(3)	1271–1280

**❖ Published in Conference proceedings : 10**

S N	Title of the Paper	Name of all Authors	Details of Proceedings	Year	Vol.	Page
1.	Synthesis and application of perlite supported solid acid: an efficient, reusable and environment benign catalyst	Sakshi Kabra, Stuti Katara, Ashu Rani	International Workshop on Green Initiatives in Energy, Environment & Health	2012		
2.	Solid Solution Cd-ZnGeON: Local Electronic Environment Against Their Photocatalytic Ability of Water Cleavage	N. Chouhan	Bejing. China	2012	2	
3.	Oxidation Studies of Aliphatic Secondary Alcohols by Imidazolium Flurochromate: A Kinetic & Mechanistic Approach.	D. Sharma, P. Panchariya, Shweta Vyas, Pradeep K. Sharma	New Frontiers of Science & Technology and Innovation for Development in Rajasthan. organized by Rajasthan Science Congress, VDS, Jaipur from 11-05-2013 to 13-05-13	2013		
4.	Correlation study of Reactivity of Some Aliphatic Aldehydes by Quinolinium dichromate.	Shilpa Pohani, Preeti Swami, and Shweta Vyas.	National Seminar on Pure & Applied Chemical Sciences- Current Trends & Future Prospects. organised by Jai Narayan Vyas University, Jodhpur from 10-01-2014 to 11-01-14	2014		
5.	Green Chemicals from Renewable sources : A Brief Introduction	Dr. Shweta Vyas	The 5 <sup>th</sup> Asia-Oceania Conference on green & Sustainable Chemistry. Organized by North India Section of Royal Society of Chemistry (London) & TERI, New Delhi from 15 <sup>th</sup> to 17 <sup>th</sup> January 2015	2015		
6.	A Comparative Study on Kinetics & Mechanism of some Diols.	Dr. Shweta Vyas & P. K. Sharma	Modern Trends in Chemical Sciences organized by Mohanlal Sukhadia	2015		

S N	Title of the Paper	Name of all Authors	Details of Proceedings	Year	Vol.	Page
			University, Udaipur from 30-31 January 2015.			
7.	Kinetics & mechanistic studies on the oxidation of Aliphatic Primary alcohol by Immidazolium dichromate.	Sonu barthora, G. Goswami, Shweta Vyas & P.K. Sharma	National Seminar on Recent Trends in Chemical Research organized by Jai Narayan Vyas University, Jodhpur from 5 <sup>th</sup> to 7 <sup>th</sup> February 2016	2016		
8.	Electrochemical reduction of 2, 3-butanedione at stainless steel (SS-316) electrode in basic media	Sushil Kr. Sharma	51 <sup>st</sup> Convention of Chemist organized by Department of Chemistry Krukashetra University, Krukashetra, Haryana from December 9-12, 2014	2014		
9.	Eco-friendly reduction of pro-chiral carbonyl compounds to chiral alcohols by Baker's Yeast	Sushil Kr. Sharma & Ankit Sharma	UGC-Sponsored National Conference on Modern Trends in Chemical Sciences organized by Department of Chemistry, Mohan Lal Sukhadia University, Udaipur From January 30-31 <sup>th</sup> 2016	2016		
10.	Baker's Yeast Mediated Synthesis of some Bioactive Chiral Alcohols.	Sushil Kr. Sharma & Ankit Sharma	National Seminar on Recent Trends in Chemical Research organized by Department of Chemistry, Jai Narayan Vyas University, Jodhpur from February 05-07 <sup>th</sup> 2016	2016		

❖ **Monographs**

: Nil

❖ **Chapters in Books**

: 33

S. No	Title of the Chapter	Name of all Authors	Title of the Book	Name of the Publisher	Year	ISBN
1.	Chapter 1: Electrochemical Technologies	Neelu Chouhan and R. S.	Electrochemical Technologies for Energy Storage and	Wiley-VCH, Weinheim	2012	10: 3-527-32869-

S. No	Title of the Chapter	Name of all Authors	Title of the Book	Name of the Publisher	Year	ISBN
	for Energy Storage and Conversion	Liu	Conversion Volume-1			6
2.	Chapter 12: Photo-electrochemical Cells for Hydrogen Generation and Conversion	Neelu Chouhan, Chih Kai Chen, Wen-Sheng Chang, Kong-Wei Cheng and Ru-Shi Liu	Electrochemical Technologies for Energy Storage and Conversion Volume-II	Wiley-VCH, Weinheim	2012	13: 978-3-527-32869-7
3.	Chapter 3: Eco-Friendly Products	Neelu Chouhan, Anil Kumar, Ajay Sharma, and Rameshwar Ameta	Green Chemistry: Fundamentals and Applications	Apple Academics Press CRC Press, a Taylor & Francis Group	2013	9781926895437
4.	Chapter 8: Hydrogen: An Alternative fuel	Neelu Chouhan Rajesh Kumar Meena and R. S. Liu,	Solar Energy Conversion And Storage: Some Photochemical Modes,	CRC Press, Taylor & Francis Group, Florida-USA	2015	978-1-48-224630-8
5.	Chapter 5: Nano-sized Photocatalytic Materials for Solar Energy Conversion and Storage,	R. Ameta, Dipti Soni, Surbhi Benjamin, Neelu Chouhan and S. C. Ameta	Photocatalytic Materials & Surfaces for Environmental Cleanup IV	Trans – Tech. Publications, Switzerland	2016	1662-9752
6.	Five and six membered heterocycles containing one hetro atom- pyrrole, furan, thiophene, pyridine, indole, quinoline and isoquinoline.	Sushil Kr. Sharma	M.Sc. (Pre.) Organic Chemistry (CH-02) Vardhman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	818496462-5
7.	Reaction Intermediates-I: Formation, Stability, Structure and reaction of carbonium ions, carbanions and free radicals	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-06) Vardhman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	818496543-5
8.	Reaction	Sushil Kr.	M.Sc. (Final.)	Vardhman	2015	81849

S. No	Title of the Chapter	Name of all Authors	Title of the Book	Name of the Publisher	Year	ISBN
	Intermediates-II: Formation, Stability, Structure and reaction of carbenes, nitrenes and arynes	Sharma	Organic Chemistry (CH-06) Vardhaman Mahaveer Open University, Kota	Mahaveer Open University, Kota		6543-5
9.	Analysis of electrocyclic reactions:	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-06) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6543-5
10.	Photochemistry of alkenes and dienes:	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-06) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6543-5
11.	Conformations of some acyclic molecules	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-06) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6543-5
12.	Oxidation of – OH group	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-07) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6544-3
13.	Reduction of Nitrogen containing groups	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-07) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6544-3
14.	Polycyclic Aromatic Compounds	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-07) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6544-3
15.	Protecting Group I	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-07) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6544-3
16.	Prostaglandins	Sushil Kr.	M.Sc. (Final.)	Vardhman	2015	81849

S. No	Title of the Chapter	Name of all Authors	Title of the Book	Name of the Publisher	Year	ISBN
		Sharma	Organic Chemistry (CH-08) Vardhaman Mahaveer Open University, Kota	Mahaveer Open University, Kota		6545-1
17.	Small Ring Hetrocycles	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-08) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6545-1
18.	Enzymes	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-08) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6545-1
19.	Theory and Kinetics of Enzymes	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-08) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6545-1
20.	Electronic Transitions	Sushil Kr. Sharma	M.Sc. (Final.) Organic Chemistry (CH-06) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6543-5
21.	Oxidation of carbonyl and carboxylic groups	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-07) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6544-3
22.	Analysis of cycloaddition: Cycloaddition, antarafacial, suprofacial additions, $4n$ and $4n+2$ systems.	Ankit Sharma	M.Sc. (Final.) Organic Chemistry (CH-06, Unit:9) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6543-5
23.	Disconnection Approach	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-07 Unit:12) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6544-3
24.	Photochemistry of Aromatic	Ankit Sharma	M.Sc. (Final) Organic Chemistry	Vardhman Mahaveer	2015	81849 6543-5

S. No	Title of the Chapter	Name of all Authors	Title of the Book	Name of the Publisher	Year	ISBN
	Compounds: Isomerisation, additions and substitutions		(CH-06 Unit:14) Vardhaman Mahaveer Open University, Kota	Open University, Kota		
25.	C-13 NMR Spectroscopy-I General considerations: chemical shift (aliphatic, olefinic, alkyne, aromatic, heteroaromatic and carbonyl carbon), coupling constants.	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-08 Unit:16) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6545-1
26.	Unit-16 (Msc-Ch-07): One Group C - C Disconnection: Alcohols And Carbonyl Compounds	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-07 Unit:16) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6544-3
27.	Carbon -13 NMR Spectroscopy II: Factors affecting chemical shift, internuclear coupling and homonuclear coupling of <sup>13</sup> C-NMR spectroscopy.	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-08 Unit:17) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6545-1
28.	Confirmation of some cyclic molecules Cyclobutanes, Cyclopentane and Cyclohexane and Monosubstituted Cyclohexane	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-06 Unit:06) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6543-5
29.	Conformations of Di-substituted Cyclohexanes.	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-06 Unit:18) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6543-5
30.	ORD and CD	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-08 Unit:19) Vardhaman	Vardhman Mahaveer Open University,	2015	81849 6545-1

S. No	Title of the Chapter	Name of all Authors	Title of the Book	Name of the Publisher	Year	ISBN
			Mahaveer Open University, Kota	Kota		
31.	19F and 13P NMR Spectroscopy	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-08 Unit:20) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6545-1
32.	Two Dimension NMR Spectroscopy	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-08 Unit:18) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6545-1
33.	Reduction of carbonyl and carboxylic group	Ankit Sharma	M.Sc. (Final) Organic Chemistry (CH-07 Unit:07) Vardhaman Mahaveer Open University, Kota	Vardhman Mahaveer Open University, Kota	2015	81849 6544-3

❖ **Edited Books**

**: 07**

S. No	Name of all Authors	Title of the book	Name of the Publisher	Year	ISBN
1.	Prof. P.S.Verma, Dr. Sushil Kr.Sharma	Synthetic Organic Chemistry	Vardhman Mahaveer Open University, Kota	2015	81849 6544-3
2.	Dr. Sushil Kr.Sharma Mr.Ankit Sharma	Natural Products, Heterocycles, Biogenesis and Spectroscopy	Vardhman Mahaveer Open University, Kota	2015	81849 6545-1
3.	Dr. Sushil Kr.Sharma Dr. M. P. Khinchi	Drug and Pharmaceuticals	Vardhman Mahaveer Open University, Kota	2015	8184965 46-X
4.	Dr. Sushil Kr.Sharma	Practical Chemistry-II	Vardhman Mahaveer Open University, Kota	2015	81849 6547-8
5.	Dr. Sushil Kr. Sharma Mr. Ankit Sharma	Natural Products, Heterocycles, Biogenesis and Spectroscopy	Vardhman Mahaveer Open University, Kota	2015	81849 6545-1
6.	Mr.Ankit Sharma, Sh. Ravi Gupta, Dr.Anuradha Dubey, Dr. Harish sharma	Spectroscopic techniques, maths, biology and computer for chemist.	Vardhman Mahaveer Open University, Kota	2014	81849 6465-X
7.	Prof. Ashu Rani, Ankit sharma	Reaction mechanism, pericyclic reactions organic photochem. and stereochemistry	Vardhman Mahaveer Open University, Kota	2015	81849 6543-5

- ❖ **Books with ISBN with details of publishers** : None
- ❖ **Number listed in International database (e.g. Web of Science, Scopus, Humanities International Complete, Dare database-International Social Sciences Directory, EBSCO host, etc.):** 75
- ❖ **Citation Index: range / average** : Range from 11-450 (as per Google scholar/Scopus database)
- ❖ **Impact Factor – range / average** : Range 0.0 – 8.262
- ❖ **h-index** : Range 1.0 – 8.0 (as per Google scholar/Scopus database)

**23. Details of patents and income generated: Granted : 02, Filed: 02**

S. No.	Name of Faculty Member	Name of Subject / Department	Details of Patents / Copyrights / Trademarks, etc.			
			Granted		Filed	
			Title	Date / Appln.	Title	Date
6.	Prof. Ashu Rani	Chemistry	Green catalytic process for aspirin synthesis using fly ash heterogenous acid catalyst	1980 / DEL / 2007 Paent No. 258334 (Granted in 2013)	Fly ash supported bimetallic catalyst (Ni-Co): An efficient and recyclable solid acid catalyst for esterification reaction	452/D EL / 2008 Indian Application No. 3749/DEL/2011
7.	Prof. Ashu Rani	Chemistry			Microwave irradiated phenyl benzylation using perlite based tungstophosphoric acid catalyst and a process for the preparation thereof	Application no. 1523/DEL/2015
8.	Prof. Ashu Rani	Chemistry			A novel solid base catalyst for microwave assisted knoevenagel	Application no. 738/DEL/2015

					condensation of benzaldehyde with malononitrile	
9.	Prof. Ashu Rani	Chemistry			A novel process for converting industrial waste fly ash into value added ferromagnetic material	E-1 / 7705 / 2016-DEL Date: 11/03/2016
10.	Neelu Chouhan	Chemistry	A compound of blue phosphor for uv light excitation and the manufacturing method thereof	11/02/2013		

**24. Areas of consultancy and income generated** : Nil

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** None

**26. Faculty serving in**

**(a) National committees** : None

**(b) International committees** : None

**(c) Editorial Boards**

- Acta Chimica & Pharmaceutica Indica
- Journal of Modern Chemistry and Chemical Technology

**(d) any other (please specify)**

Faculty members are serving various academic bodies in the capacity of life members and annual members:

**Professor Ashu Rani**

- American Chemical Society
- Life member Indian Chemical Society
- Member Indian Soil Science Society
- Affiliate member of IUPAC
- Indian Council of Chemist

**Dr. Neelu Chouhan**

- Life Member-Indian Chemical Society, Kolkata
- Contemporary Research India, Jaipur
- Association of Environmental Analytical Chemistry of India

**Dr. Bhawani Singh**

- Life Member-National Magnetic Resonance Society, Bangalore
- Annual Member-Indian Chemical Society, Kolkata
- Annual Member-Indian Society of Chemists & Biologists, Lucknow.

**Dr. Sushil Kumar Sharma**

- Life Member-Indian Chemical Society, Kolkata.
- Life Member-Indian Society for Technical Education, New Delhi
- Life Member-Indian Science Congress Association, Kolkata.

**Sh. Ankit Sharma**

- Life Member-Indian Chemical Society, Kolkata
- Life Member-High Energy Material Conference and Exhibit

**Dr. Shweta Vyas**

- Life Member-Indian Chemical Society, Kolkata
- Life Member- Rajasthan Science Congress

**27. Faculty recharging strategies (UGC, ASC, Refresher / Orientation Programs, workshops, training programs and similar programs):**

University is allowing the faculty members to attend the Orientation Programmes, Refresher Course and other faculty development programmes:

S. No	Faculty Member	Name of the Programme	Date	Organized by
1.	Dr. Neelu Chouhan	BRNS-AEACI Sixth School on Analytical Chemistry (SAC-6)	13-20 May, 2013	Analytical Chemistry Division, BARC, Trombay, Mumbai
2.	Dr. Neelu Chouhan	Workshop on Question Repository (Chemistry): School of Science and Technology	8-10 Feb., 2014.	Vardhaman Mahaveer Open University, Kota
3.	Dr. Neelu Chouhan	School of Science and Technology, workshop on	March 19-21,	SOST, VMO University, Kota

S. No	Faculty Member	Name of the Programme	Date	Organized by
		Question Respository (Chemistry) P G Level	2014	
4.	Dr. Neelu Chouhan	Sinsil Photovoltaic Instrumental Workshop (Photovoltaic Devices: Module to devices)	9 <sup>th</sup> -10 <sup>th</sup> July, 2014	Department of Polymer Sciences, CSIR-NCL, Pune
5.	Dr. Neelu Chouhan	Five days QIP-workshop on fluorescence spectroscopy	22-26 Nov. 2015	Department of Chemistry, IIT, Kanpur
6.	Sh. Sushil Kr. Sharma	A Short Term Training Programme on "A Primer in Administration and Management for Scientists and Technologists Training Course"	3 <sup>rd</sup> to 7 <sup>th</sup> Decembe, 2012.	Centre for Disaster Management, NIAR, LBSNAA, Mussoorie
7.	Sh. Sushil Kr. Sharma	General Orientation Course (GOC-87)	May13 <sup>th</sup> - June 8 <sup>th</sup> 2013	Academic Staff College, University of Rajasthan, Jaipur
8.	Sh. Sushil Kr. Sharma	School and Workshop on Electroanalytical Techniques (SWET-2013)	Nov.,25- Dec.,1, 2013	School of Chemical Science and Pharmacy, Central University of Rajasthan
9.	Sh. Sushil Kr. Sharma	Workshop on Question Repository (Chemistry)	February 08-10, 2014	Vardhaman Mahaveer Open University, Kota
10.	Sh. Sushil Kr. Sharma	Refresher Course in Chemistry	April 24 to May 14, 2014	Department of Chemistry, Guru Jambheshwar University of Science and Technology, Hisar
11.	Sh. Ankit Sharma	General Orientation Course (GOC-87)	May,13 <sup>th</sup> -June,8 <sup>th</sup> 2013	Academic Staff College, University of Rajasthan, Jaipur
12.	Sh. Ankit Sharma	Refresher Course in Chemistry	April 24,2014 to May 14, 2014	Academic Staff College, Guru Jambheshawar University of Science & Technology, Hisar
13.	Sh. Ankit Sharma	Workshop on Question Repository (Chemistry)	February 08-10, 2014	Vardhaman Mahaveer Open University, Kota
14.	Dr. Shweta Vyas	83 <sup>rd</sup> Orientation Programme	21 January 2013 to	Academic Staff College, Jai Narayan Vyas University,

S. No	Faculty Member	Name of the Programme	Date	Organized by
			16 February 2013	Jodhpur
15.	Dr. Shweta Vyas	Summer School For Refresher Course	8 <sup>th</sup> June 2014 to 28 <sup>th</sup> June 2014	Academic Staff College, Jai Narayan Vyas University, Jodhpur

### 28. Student projects:

- percentage of students who have done in-house projects including inter-departmental projects : 25%
- percentage of students doing projects in collaboration with other universities / industry / institute : 75%

### 29. Awards / recognitions received at the national and international level by

#### • Faculty:

- **Prof. Ashu Rani** received Prof. A.S.R. Anjaneyulu 60<sup>th</sup> Birthday Commemoration Award (2014) in the National Convention of Indian Chemical Society at JECREC University, Jaipur.
- **Dr. Neelu Chouhan** received Grignard Award for her paper in chemical sciences: Rakshit Ameta, Monika Trivedi, Neelu Chouhan and Chetna Ameta. Improved performance of dye sensitized solar cell using carbon and zinc co-doped semiconductor. International Journal of Renewable Energy Technology Research, 2015, 4(4) 1-10.
- **Dr. Bhawani Singh** received Fast Track Young Scientist Award of DST (SB/FT/CS-122/2012 Dated 31-12-2013).

#### • Doctoral / post doctoral fellows:

Prof. K.K. Banerjee memorial award to Ph.D. Scholar **Mr. Rajesh Kumar Meena** has been given in the National Conference on Modern Trends in Chemical Sciences organized by the Department of Chemistry, M. L. Sukhadia University, Udaipur during January 30-31, 2016.

#### • Students:

03 Students of M. Sc. Chemistry are receiving *INSPIRE Scholarship* of DST, Govt. of India.

**30. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**

S. No.	Name of the Conference / Seminar / Workshop	Date	Sponsored / Organised by	Source of Funding	Details of Outstanding Participants
4.	Indo-Swedish Symposium on Strategic Knowledge on climate Change	October 09, 2012	Department of Pure & Applied Chem, UoK and Centre for Climate Science & Policy Research, Linkoping University	UGC unassigned grant	Prof. S.C. Ameta, Prof. P. S. Kalsi, Prof. R. K. Banasal, Prof. Pahup Singh
5.	5 <sup>th</sup> National Acad. Workshop-2013 on "Organic Reaction Mechanisms and Analytical Techniques used in Chem Sciences"	October 21-25, 2013	Department of Pure & Applied Chemistry, University of Kota, Kota	UGC unassigned grant	Prof. P. S. Kalsi, Prof. R. K. Banasal, Prof. Pahup Singh, Prof. Yakami
6.	6 <sup>th</sup> National Academic Workshop on "Atmospheric Chemistry".	December 19-20, 2014	Department of Pure & Applied Chemistry, UoK	UGC unassigned grant	Prof. K. S. Gupta

**31. Code of ethics for research followed by the departments:**

- Submission of progress report to the funding agencies.
- Proper discussion on the research ideas and outcomes of the research of various areas of chemistry.
- Proper monitoring of research projects.
- Plagism monitoring.

**32. Student profile programme-wise:**

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
<b>Academic Session 2015-16</b>					
M.Sc. Chemistry	98	15	25	86.00%	88.00%
M.Sc. Industrial Chemistry	26	14	11	81.00%	87.00%
<b>Academic Session 2014-15</b>					
M.Sc. Chemistry	101	22	18	86.36%	85.71%
M.Sc. Industrial Chemistry	47	17	08	85.71%	71.42%
<b>Academic Session 2013-14</b>					
M.Sc. Chemistry	79	14	11	78.57%	90.90%
M.Sc. Industrial Chemistry	45	10	10	83.84%	91.66%
<b>Academic Session 2012-13</b>					
M.Sc. Chemistry	65	10	10	82.00%	90.00%
M.Sc. Industrial Chemistry	48	20	--	85.00%	--

**33. Diversity of students:**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	--	--	--	--
P.G.	76.90	15.40	07.70	-
Ph.D.	89.00	11.00	--	--
Other	--	--	--	--

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations in last four years ? Give details category-wise:**

S. No.	Category / Types of Exam.	Number of Selection
1.	Civil Services	--
2.	Defence Services	--
3.	NET	10
4.	SET	06
5.	GATE	02
6.	BARC	01
7.	NTPC	01
8.	ONGC	01
9.	RPSC-College Lecturer	05
10.	RPSC-School Lecturer	15
11.	Other services (Approximate Number)	70

**35. Student progression:**

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil.	--
PG to Ph.D.	~ 60%
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	~ 25%
• Other than campus recruitment	~ 60%
Entrepreneurs	~ 2 %

**36. Diversity of staff:**

Percentage of faculty who are graduates	
of the same university	33.33%
from other universities within the State	50.00%
from universities from other States	16.66%
from universities outside the country	00.00%

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period** : None

38. **Present details of departmental infrastructural facilities with regard to**

**(a) Library:**

Departmental Library with few books is available in the Department.

**(b) Internet facilities for staff and students:**

1 GBPs LAN and Wi-Fi facility all around the campus accessible to all students and faculty members. The facility is accessible all around the campus. The Centre library is also equipped with UGC-Info net facility used by all research scholars and faculty members.

**(c) Total number of class rooms facility:**

02 Class Rooms for M. Sc. Chemistry and M. Sc. Industrial Chemistry students.

**(d) Students' laboratories:**

02 Laboratories for M. Sc. Chemistry and M. Sc. Industrial Chemistry students

**(e) Research laboratories:**

02 Laboratories for research scholars.

39. **List of doctoral, post-doctoral students and Research Associates:**

**(a) from the host institution / university**

S. No.	Name of Doctoral Research Scholars	Name of Supervisor
1.	Ankit Sharma	Prof. Ashu Rani
2.	Kiran Parashar	Prof. Ashu Rani
3.	Deepak Karsolia	Prof. Ashu Rani
4.	Hariom Gaur	Prof. Ashu Rani
5.	Nidhi Gautam	Prof. Ashu Rani
6.	Rajesh Meena	Dr. Neelu Chouhan
7.	Neeta Gurbani	Dr. Neelu Chouhan
8.	Nirnjan	Dr. Neelu Chouhan
9.	Sangeeta Yadav	Dr. Bhawani Singh
10.	Pragya Khandal	Dr. Bhawani Singh

**(b) from other institutions / universities** : Nil

40. **Number of post graduate students getting financial assistance from the university** : Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

Department of Pure & Applied Chemistry is running M. Sc. in Chemistry & Industrial Chemistry and M. Phil. & Ph.D. in Chemistry. Before the development of these courses since the inception of the Department in 2007, so many exercises were undertaken keeping views in mind regarding demand of chemical science professionals in various sectors in Hadoti region and at the national and international level.

**42. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

The Department of Pure & Applied Chemistry considers the feedback of the faculty members of the University Department as well as Departments of affiliated colleges of the University during meetings of the BOS and COC. Curriculum of the Chemistry and Industrial Chemistry is being modified as per the feedback received and recent need of the subject knowledge and student employability.

**b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

The Department is taking the verbal feedback of the students on staff as well as on curriculum and teaching-learning-evaluation. Modifications are being implemented by considering the available facility and staff in the Department for improvement of the teaching methodology of the staff as well as curriculum and teaching-learning-evaluation.

**c. alumni and employers on the programmes offered and how does the department utilize the feedback?** Nil.

**43. List the distinguished alumni of the department (maximum 10):**

S. No.	Organization Name	Candidates Name	Location
1.	Gautam Budha University, Noida	Deepti Jain	Noida
2.	South Gujarat University, Patan	Renu Hada	Kota
3.	Kendriya Vidyalaya, Luknow	Deepika	Luknow
4.	Hindustan Zinc Ltd., Chhitorgarh	Satish Kr.Patidar	Chhitorgarh
5.	Deptt. of Edu., Govt. of Rajasthan	Vikas Agrawal	Jaipur
6.	DSCL Ltd., Kota	Gaurav Singh	Kota
7.	DCM Shriram Rayons, Kota	Anoop Sharma	Kota
8.	J.K. White Cement, Gotan	Vijay Soni	Gotan

9.	Shree Cement Ltd., Jobner	Lalit Kr Dhamu	Jobner
10.	Rail Coach Factory, Kapurthala	Giriraj Nagar	Kapurthala

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**

Date	Resource Person	Topic
21-10-2013	Prof. P.S. Kalsi, GFSU, Gandhinagar	Stereo-selectivity & Stereo-specificity
22-10-2013	Shri A. Maheshwari, Scientist, Nuclear Power Plant, Rawatbhata	Role of Chemistry in Production of Nuclear Energy
22-10-2013	Prof. P.S. Kalsi, GFSU, Gandhinagar	Retro-synthesis
22-10-2013	Prof. K.K. Banerji, NLU, Jodhpur	Intellectual Property Rights (IPR) & Chemistry
23-10-2013	Prof. K.K. Banerji, NLU, Jodhpur	Intellectual Property Rights (IPR) & Chemistry
23-10-2013	Prof. P.S. Kalsi, GFSU, Gandhinagar	Retro-synthesis
23-10-2013	Prof. J.V. Yakhmi, BARC, Mumbai	Matter and Materials to Movement and Life
24-10-2013	Prof. P. Singh, University of Rajasthan, Jaipur	<sup>1</sup> H NMR Spectroscopy
24-10-2013	Prof. R. K. Bansal, University of Rajasthan, Jaipur	Pericyclic Reactions
25-10-2013	Prof. P. Singh, University of Rajasthan, Jaipur	<sup>13</sup> C NMR Spectroscopy, 2D NMR Spectroscopy, Mass Spectrometry
25-10-2013	Sh. Mayank K Gandhi	University-Industry Linkage
24-07-2015	Prof. R.T. Pardasani, Central University of Rajasthan	Retro-synthesis: Principles and Applications
September 2014	Prof. K. S. Gupta, University of Rajasthan, Jaipur	Environmental Chemistry
September 2014	Prof. P.S. Verma, University of Rajasthan, Jaipur	Electrochemistry
28-10-2015	Prof. A.K. Goswami, M.L.S. University, Udaipur	Soft skills
28-10-2015	Prof. S.D. Purohit, M.L.S. University, Udaipur	How To Be Successful and Yet Happy, GM Foods-Myth and Reality

20-02-2016	Prof. A.P. Mishra, Dr. H.S. Gour University, Sagar	Indigenous medicinal systems
24-02-2016	Prof. R.N. Prasad, University of Rajasthan, Jaipur	Inorganic Chemistry
24-02-2016	Prof. I.K. Sharma, University of Rajasthan, Jaipur	Chemistry & its role in Society

**45. List the teaching methods adopted by the faculty for different programmes:**

The Departments includes following teaching methodologies:

- Classroom teaching using black boards, smart boards, projectors.
- Seminars of students on recent development in the subject.
- Experts / extension lecture to cover the specific topics by the academicians, scientists and industry persons.
- Learning through hands on training, group discussions, open sessions and assignments, etc.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The faculty members of the Department are taking classes regularly along with various activities for enhancing the subject knowledge and overall development of the students. Seminar, presentations and discussions are regular feature. The programme coordinators monitor the classes, attendance of the students, and modern needs of the curriculum of the courses and they ensure the objectives of the programmes. The head of the department interacts regularly with the students to resolve their difficulties. Department is collaborating with other universities and industry persons to achieve the objectives of continuous improvement in course content and teaching and research.

**47. Highlight the participation of students and faculty in extension activities:**

University of Kota has Office of the Dean, Students' Welfare, NSS Unit. The students of the Department participate actively in various activities like sports and cultural programmes, blood donation camps, plantation, quiz competitions, essay writings, debates, etc. Faculty members of the Departments are also involved in these activities for smooth functioning of the programmes. The Department of Pure & Applied Chemistry is organized extension lectures also to enhance the basic and advance knowledge of the faculty as well as students in chemical sciences.

**48. Give details of “beyond syllabus scholarly activities” of the department:**

The Department of Pure & Applied Chemistry organizes conferences / seminars / workshops / training programmes / quizzes / oral presentations / Industrial visits time to time. All the faculty members and students of the Departments are actively engaged in these 'beyond syllabus scholarly activities' by playing their roles on different capacities.

**49. State whether the programme / department is accredited / graded by other agencies? If yes, give details** : None

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

The Department of Pure & Applied Chemistry is contributing the society by generating new chemistry professionals for best teaching in various organizations and quality research in the Chemistry with recent research areas including Fly Ash & its Utilization, Catalysis, Kinetics, Atmospheric Science, Material Science, Nano-science & Nano-technology, Photo-chemistry, Polymer, Organic Chemistry, Heterocyclic Chemistry, Medicinal Chemistry, Drug Design & Development, Electrochemical Synthesis.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**

• **Strengths:**

- Well qualified and experienced young faculty members which engaged in research actively by publishing the research papers in the national and international journals with good impact factors of high repute.
- Extra mural funding for research by various funding agencies like UGC, CSIR, DST, *etc.* The Department of Chemistry has also been received DST-FIST project.
- Skill oriented teaching and research by providing hands-on-practice of students on the sophisticated instruments available in the Department.
- All the courses of the Department are in semester system and hence continuous evaluation of students is undertaken through quiz, internal tests, seminars and viva voce, etc.
- Department regularly organizes various conferences / seminars / workshops / training programmes / quizzes / oral presentations / Industrial visits so that students will get the exposure of cutting edge research.

- Support of senior professionals and experts from academic institutes, research centres and industries in academic planning and development of programmes.
- **Weaknesses:**
  - Less number of permanent faculty members and supporting staff which is affecting continuously teaching and quality research.
  - No technical staff (Lab. Tech., Lab Asstt., Lab. Boys, *etc.*). Due to this, different types of works like performance of practical work, maintenance of labs, chemical store & instruments, purchasing of items required for the laboratories, *etc.* are affected and subsequently growth of the Department.
  - Less number of classrooms, laboratories, chemical and general items store which are hurdle to increase more number of students in the existing courses as well as to start new courses.
  - Lack of in-house instruments repair and fabrication facilities and trained glassblowers. Due to this, non-working / damaged instruments and glassware could not be repaired / fabricated in the campus.
  - Less number of University-Industry linkage.
- **Opportunities:**
  - Facilitating Department / centre for implementing government schemes related higher education and skill development programmes related to the Chemical Sciences.
  - Participation in state and local body development programmes of higher education and skill development programmes in the field of Chemical Sciences.
  - Outsourcing of existing instrumental facilities to researchers for developing good regional R&D centre in the State.
  - Collaborations with local industries for regional developments and upliftment of social life by applying chemical applications.
  - Kota and adjoining region has ample scope for self employment in various sectors including industries and coaching classes. Pharmaceutical, agrochemical, fine chemical, fertilizer, plastic & polymer, dye & textile, paint & pigment, cement & refractory, glass & ceramic, soap & detergent industries provide opportunities of employments to chemistry professionals.
  - The University is located at Kota which has a number of power plants ranging from coal based, nuclear, gas, hydro, biomass and solar power plants. This provides an opportunity to the students to visit and undergo training at these power plants and they may find placements at power plants.

- **Challenges:**

- Students are from Hadoti region which are very weak in communication and soft skills. Overall development of students is required at every level otherwise the placement of students may be affected.
- Many private institutions are coming up with many promises in the Rajasthan. Students may be lured to these institutions expecting quick returns and University may lose good students with decrease in gross enrolment ratio.
- The formulation and announcement of Govt. policies on issues of prime importance always get delayed. For example, industrial policy, Investment policy, etc. could not come in time. It affects the employability of the graduates.
- Lack of laboratory / supporting staff may result in degradation of the laboratory equipment and may affect the quality of practical performance.
- Lack of funds, finances and facilities at for the department may affect the quality of the courses as these are specialized courses aiming at providing students with latest knowledge. No sufficient start up grant for new faculty to start his/her research. Lack of funds for travel support (national and international) for attending conferences. No institutional mechanism, infrastructure and facilities for attracting international students.
- Kota was famous as "Industrial City" for some time but in present scenario, majority of good industries has been shut down or closed. This type of down fall in the Hadoti region is alarming signal of down in employment opportunitylack and delay of funding.

**52. Future plans of the Department:**

The vision of the Department is to establish the Department as a "**Centre of Excellence in Chemistry**" adopting innovative and recent trends in teaching and quality research in various fields including fly ash & its utilization, drug discovery & development, material science, nanoscience & nanotechnology, polymer science, atmospheric science by strengthening the ultra sophisticated analytical instrumentation facilities in the Department. The mission of the Department is to produce skilled Chemical Science workforce with in-depth knowledge of basics and advances in the subject having a good 'hands-on-experience' on practical aspects to serve the nation efficiently and sincerely.

The vision and mission of the Department will be achieved by strengthening existing programmes as well opening job oriented new programmes, recruitment of more faculty members and non-teaching

staff and improvement of existing laboratory facilities along with procurement of more scientific instruments to establish the Department as a "Centre of Excellence in Chemistry"

**Proposed New Courses:**

- Postgraduate Diploma Programmes:
  - Postgraduate Diploma in Food Analysis
  - Postgraduate Diploma in Pharmaceuticals Analysis
  - Postgraduate Diploma in Agrochemicals Analysis
  - Postgraduate Diploma in Environmental Analysis
  - Postgraduate Diploma in QA & QC in Industries
  - Postgraduate Diploma in Plastic & Polymer Science
- Undergraduate Programme:
  - B. Sc. (Pass Course) Chemistry
  - B. Sc. (Hons. Course) Chemistry
- Postgraduate Programme:
  - M. Sc. Chemistry with specialization in Inorganic Chemistry
  - M. Sc. Chemistry with specialization in Physical Chemistry
- Integrated Programmes:
  - Integrated B. Sc.-M. Sc. Chemistry
  
- Vocational Programmes:
  - B. Voc. Chemical & Instrumental Analysis
  - B. Voc. Food and Food Products Analysis

**Research, Development and Innovation:**

The Department of Pure & Applied Chemistry is moving towards the establishment of "Centre for Excellence in Chemistry along with following research areas:

- |                                  |                             |
|----------------------------------|-----------------------------|
| • Fly Ash & its Utilization      | • Organic Chemistry         |
| • Catalysis                      | • Heterocyclic Chemistry    |
| • Kinetics                       | • Medicinal Chemistry       |
| • Atmospheric Science            | • Drug Design & Development |
| • Waste Water Treatment          | • Organic Synthesis         |
| • Material Science               | • Asymmetric Synthesis      |
| • Nano-science & Nano-technology | • Electrochemical Synthesis |
| • Photo-chemistry                | • QSAR Study                |
| • Polymer                        | • Green Chemistry           |

**Infrastructural Development:**

The Department of Science and Technology (DST) is providing facilities of sophisticated analytical instruments to researchers through its Sophisticated Analytical Instrument Facilities (SAIF) Programme. As per information available on the website of the DST, there are

thirteen Sophisticated Analytical Instrument Facilities (SAIFs) all over the India situated at IIT Chennai; IIT Mumbai; Bose Institute, Kolkata; CDRI, Lucknow, Panjab University, Chandigarh; NEHU, Shillong; Nagpur University, Nagpur; IISc, Bangalore; AIIMS, New Delhi; Gauhati University, Guwahati; IIT, Roorkee; CVM, Vallabh Vidyanagar, Gujarat and STIC, Cochin.

But there is no SAIF in the Rajasthan state and due to the lacking of availability of the sophisticated instruments, researchers are facing the problems and could get their results in time to find out the outcomes of their results. Therefore, the Department of Pure & Applied Chemistry, University of Kota has started its efforts to establish the "**Sophisticated Analytical Instrumentation Facility (SAIF)**" or **University Scientific Instrumentation Centre (USIC)** at University of Kota to fulfil the objectives of the SAIFs mainly to carry out analysis of samples received from the scientists / institutes; to provide facilities of sophisticated analytical instruments to scientists and other users from academic institutes, R&D laboratories and industries to enable them to carry out measurements for R&D work; to organize short term courses / workshops on the use and application of various instruments and analytical techniques; to train technicians for maintenance and operation of sophisticated instruments, etc.

The Department has been awarded a sanction of **Rs. 95.00 lacs** under the scheme "Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)" of the DST to procure XRD as major instrument. Following major instruments are proposed to procure in near future to achieve the aims and objectives of the Department and finally of the University to provide quality education:

S. No.	Name of Scientific Equipment
1.	Fourier Transform-Nuclear Magnetic Resonance Spectrometer 600 MHz
2.	Ultra High Performance Liquid Chromatography-Mass Spectrometer / Mass Spectrometer
3.	High Resolution Mass Spectrometer: ESI-HRMS & APCI-HRMS
4.	BET Surface Area Analyzer
5.	Gas Chromatograph-Mass Spectrometer / Mass Spectrometer
6.	Inductively coupled plasma-Mass Spectrometer (ICP-MS)
7.	Ultra High Performance Liquid Chromatograph (UHPLC)
8.	Small Size Liquid Nitrogen Plant

9.	Prep HPLC
10.	Flash Chromatography
11.	Particle Size Analyzer
12.	Batch Reactors
13.	Electrochemical Synthesis Workstation
14.	Elemental Analyser
15.	Ultrasonic Sonicator/Homogenizer
16.	UV-VIS-NIR Spectrophotometer
17.	Field Emission Scanning Electron Microscope (FE-SEM)
18.	Transmission Electron Microscopes (TEM)
19.	High Performance Atomic Force Microscope (HP-AFM)
20.	High Resolution Scanning Probe Microscope (HR-SPM)
21.	Thermogravimetric Analyzer (TGA)
22.	Ultra Centrifuges
23.	Polarimeter
24.	Protein Analyzer
25.	Clinical Chemistry Analyzer
26.	Capillary Electrophoresis
27.	Universal Testing Machines (UTMs)
28.	BioChemistry Analyzers
29.	Milk Analyzer
30.	Fat Analyzer
31.	Proximate Analyzer
32.	Rheometer
33.	FT Raman Spectrometer
34.	Single Crystal X-ray Diffraction (SC-XRD)
35.	Wavelength Dispersive X-ray Fluorescence Spectrometer (WD-XRF)
36.	Inductively Coupled Plasma-Atomic Emission Spectrometer (ICP-AES)
37.	High Performance Ion Chromatography (HPIC)
38.	Supercritical Fluid Extraction / Chromatograph-Mass Spectrometer
39.	Electron Spin Resonance (ESR) Spectrometer
40.	TGA-DTA / DSC
41.	Differential Scanning Calorimeter (DSC)
42.	Chemisorption Analyzer
43.	Microwave Digestion System
44.	Melting Point Apparatus
45.	Density meter
46.	Other Instruments (as per requirement)

## **Evaluative Report of the Department** **(from April 2012 to March 2016)**

1. **Name of the Department:**  
Department of Pure & Applied Physics
2. **Year of Establishment:**  
2007
3. **Is the Department part of a School/Faculty of the university?**  
Yes, Faculty of Science
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., D.Sc., D.Litt., etc.):**

Level	Name of the Programme	Discipline/ Subject
PG	M.Sc.	Physics-Energy
PG	M. Tech.	Solar Energy
--	M.Phil.	Physics
--	Ph.D.	Physics

5. **Interdisciplinary programmes and departments involved:**  
Presently, the department is running Int. B.Sc.-M.Sc. in Physics which is of interdisciplinary nature, as faculty from Chemistry, Computer and Mathematics subjects are involved in the teaching.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**  
The department has not been running any course in collaboration with other universities, industries, foreign institutions. However, for M. Tech. (Solar Energy) Programme, department has received support from University of Durham and Cranfield University (UK Universities) and MSA Renewtech (Industry Partner), Vadodara, Gujarat, India under Newton Bhabha Fund for Higher Education Partnership between Royal Academy of Engineering, UK and FICCI, India
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**  
The department has been running all the UG and PG Programmes in the semester system.

9. Participation of the department in the courses offered by other departments : Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):

Posts	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professors	02	02	02
Asst. Professors	03	02	02
Others	--	--	--

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Yrs of Exp.	No. of Ph.D. / M.Phil. guided (last 4 yrs)
Prof. N.K. Jaiman	M.Sc. Ph.D.	Professor	Nonlinear wave-wave and wave-particle interactions, parametric instabilities, charge particle acceleration, Plasma filled coherent radiation sources, thermonuclear and inertial confinement fusion, dusty plasmas, interaction of short pulse laser with plasmas.	26	01
Dr. Saurabh Dalela	M.Sc. Ph.D.	Head & Associate Prof.	Structural, optical and magnetic properties of high temperature superconductors and spintronics material, X-ray absorption spectroscopy, X-ray photoelectron spectroscopy using synchrotron radiation.	14	05
Dr. Ghanshyam Sharma	M.Sc. Ph.D.	Associate Prof.	Electronic, structural and optical properties of doped	11	02

			and undoped binary semiconductors using experimental and <i>ab-initio</i> techniques, synthesis and characterization of Zn, Cd and Pb based nanowires for potential applications.		
Dr. N.L. Heda	M.Sc. Ph.D.	Assistant Prof.	Charge and Magnetic Compton scattering measurements using <sup>137</sup> Cs, <sup>241</sup> Am and Synchrotron radiations, Ab-initio computations using Linear combination of atomic orbitals within Hartree-Fock, Density functional theory, Pseudopotential schemes, Full potential linearized augmented plane wave method and Spin polarized relativistic Korringa-Kohn-Rostoker approach.	08	Nil
Dr. Namrata Sengar	M.Sc. Ph.D.	Assistant Prof.	Renewable and sustainable energy specifically solar thermal, solar buildings, photovoltaics, hybrid systems, energy efficiency and management, heat losses through the collectors, composite layers, development of technology for mini appliances, material development.	10	Nil

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors, guest faculty:**

Name	Qualification	Designation	Specialization	No. of Yrs of Exp.	No. of Ph.D. / M.Phil. guided ( last 4 yrs)
Prof. K. P. Maheshwari	Ph.D.	Visiting Faculty	Intense relativistic plasma microwave electronics, free electron lasers, theoretical studies of ultrashort, ultra-intense, laser-plasma interaction, high-harmonic generation, attosecond pulse generation, wake-field acceleration of charged particles, self-focusing of laser beams.	54	03
Sh. B. L. Sutar	M.Sc.	Visiting Faculty	Advance experimental methods in Microwave Electronics, Optical Communication, LASER & Spectroscopy, Electronics Device and Circuits.	42	-
Sh. O. P. Goyal	B.Tech., Post Graduation in Nuclear Engineering from BARC.	Visiting Faculty	Nuclear Engineering	43	-
Dr. Kuntal Kabra	PhD.	Visiting Faculty	Synthesis and characterization of Zn, Cd and Pb based nanowires for potential applications.	05	--

**13. Percentage of classes taken by temporary faculty – programme-wise information:**

Level	Name of the Programme	Percentage
UG-PG	Integrated B.Sc.-M. Sc.	82.35
PG	M.Sc. (Physics-Energy)	36.95
PG	M. Tech. (Solar Energy)	75.00

**14. Programme-wise Teacher Student Ratio (including visiting faculty):**

Level	Name of the Programme	Teacher Student Ratio
PG	M.Sc. (Physics-Energy)	1:6.5
PG	M. Tech. (Solar Energy)	1:4.5

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : 04 (Employed through agency)**

**16. Research thrust areas as recognized by major funding agencies:**

The following areas are recognized by the funding agencies as thrust area in the Department of Pure and Applied Physics:

- Material Science
- Solar Energy
- Plasma Physics

**17. Number of faculty with ongoing projects from:**

**(a) National : 02**

**(b) International funding agencies : 01**

**(c) Total grants received/sanctioned**

Research projects to faculty Rs. 43.55 Lakh

Research projects to research assistants Rs. 21.40 Lakh

**Total Amount Rs. 64.95 Lakh**

The details of the completed projects are as under:

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lakh)	Amount Received (in Lakh)	Duration
5.	N.K. Jaiman (Co-PI)	Analytical and numerical study of non-linear laser particle interaction at relativistic intensities with a boundary of a plane over dense layer and generation of higher laser harmonics	DST, New Delhi	16.27	13.36	2010-2013

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lakh)	Amount Received (in Lakh)	Duration
6.	Dr. Saurabh Dalela (Scientific Mentor)	Plasmonics using size and shape selected nanomaterials	DST, New Delhi	14.76 Lacs	14.76 Lacs	2011-2014
7.	Dr. G. Sharma	Electron momentum density of some binary compounds in bulk and nanophase	UGC	2.00	2.00	2011-2013
8.	Dr. G. Sharma	Study of the electronic, optical and structural properties of lead-chalcogenides PbX (X=S, Se, Te)	CSIR	14.55	14.55	2012-2015

The details of the ongoing projects are as under:

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lakh)	Amount Received (in Lakh)	Duration
4.	N.K. Jaiman (Co-PI)	Theoretical investigation of nonlinear interaction of intense relativistic laser pulse with various plasma mirror configurations: brightest X-ray and gamma-ray generation.	DST, New Delhi	25.92	17.00	2013-2016
5.	Dr. Saurabh Dalela (Scientific Mentor)	Study of electrical, optical and magnetic properties in doped CeO <sub>2</sub>	DST, New Delhi	21.40	--	2016-2019
6.	Dr. G. Sharma	Study of electronic and optical properties of Zn <sub>3</sub> X <sub>2</sub> (X=N, P, As) semiconductor compounds for solar cell applications	DST-SERB	17.28	12.00	2013-2016

## 18. Inter-institutional collaborative projects and associated grants received:

### (a) National collaboration:

MSA Renewtech (Industry Partner), Vadodara, Gujarat, India

**(b) International collaboration:**

University of Durham and Cranfield University (UK Universities) under Newton Bhabha Fund for Higher Education Partnership between Royal Academy of Engineering, UK and FICCI, India. The details are as under:

S. No.	Name of Faculty Member	Title of the Project	Name of funding Agency	Amount Granted (in Lakh)	Duration
1	Namrata Sengar (Principal Contact)	Enhancing teaching and research and development in solar energy materials and technologies through capacity building and collaborative research projects.	Royal Academy of Engineering, UK	50.00	2016-2018

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received : Nil**

**20. Research facility / centre with**

**(a) State recognition:** 100 KW Solar Power Plant.

**(b) National recognition:** Laboratory for synthesis of materials in different modes like Polycrystalline, Thin films and Nanomaterial, few equipments are:

- Sputtering Deposition Unit.
- Vacuum Coating Unit.
- Spin Coating Unit.
- Microprocessor Controlled Furnace.

Material Characterisation for thermal and optical properties, few equipment are:

- Differential Scanning Calorimeter.
- UV-Vis-NIR Spectrometer.
- Pyranometer
- Albedometer.

**(c) International recognition : Nil**

**21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil**

## 22. Publications:

❖ Number of papers published in peer reviewed journals  
(national /international) : 59

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
1	Effect of Temporal Profile of the Laser Pulse Interacting with Solid Surface on the Generation of High Harmonics and Attosecond Pulse Trains	Vineeta Jain, Harish Malav, N.K. Jaiman and K.P. Maheshwari	Indian Journal of Pure and Applied Physics	2013	51		479-487
2	Laser Pulse Propagation in Inhomogeneous Magnetoplasma Channels and Weak field Acceleration	B.S.Sharma, Archana Jain, N.K. Jaiman, D.N. Gupta, D.G. Jang, H. Sukand, V.K. Kulagin	Physics Plasmas	2014	21		0231-08
3	Interaction of Ultra-intense Ultra-short Laser Pulse with a Relativistic Flying Double-sided Dense Plasma Slab / Mirror	Vineeta Jain, K.P. Maheshwari, N.K. Jaiman and Harish Malav	Laser and Particle Beams	2014	14		0263 - 0346
4	An extensive study on simple and GRIN SCH-based In <sub>0.71</sub> Ga <sub>0.21</sub> Al <sub>0.08</sub> As / InP lasing Heterostructures	P.A. Alvi, Pyare Lal, S. Dalela, M. J. Siddiqui	Physica Scripta	2012	85		0354-02 (1-9)
5	Gain simulation of lasing nano-heterostructure Al <sub>0.10</sub> Ga <sub>0.90</sub> As/GaAs	Pyare Lal, ShobhnaDixit, S.Dalela, F.Rahman, P.A.Alvi	Physica E	2012	46		224-231
6	Role of Co doping on structural, optical and magnetic properties of TiO <sub>2</sub>	A. Kaushik, B. Dalela, Sudhish Kumar, P.A. Alvi, S. Dalela	Journal of Alloys and Compounds	2013	552		274-278
7	Electronic Structure of Iron- Pnictide SmO <sub>1-x</sub> F <sub>x</sub> FeAs Superconductor Using XAS	Neena D., Alvi P.A., Garg K.B. and Dalela S	Research Journal of Recent Sciences	2013	2		15-17
8	Mettalophilicity in [CdBr] <sup>-</sup> : A case study of hybrid materials	Mukesh Kumar, S. Dalela, Dinesh	International Journal of Scientific and Research Publications	2013	3	2	1-7
9	Analysis of Mercurophilic Interactions in [HgBr]-	Mukesh Kumar, Dinesh, S. Dalela	International Journal of Advanced	2013	4	1	23-35

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
	Hybrid Materials		Materials Science				
10	Hg...Hg Interactions in Mercuric Chloride Based Hybrid Materials	Dinesh, Mukesh Kumar, S. Dalela	International Journal of Materials Physics	2013	4	1	11-21
11	Influence of Co doping on the structural, optical and magnetic properties of ZnO nanocrystals	A. Kaushik, B. Dalela, R. Rathore, V.S. Vats, B.L. Choudhary, P.A. Alvi, S. Kumar, S. Dalela	Journal of Alloys & Compounds	2013	578		328–335
12	Modal gain characteristics of GRIN-InGaAlAs/InP nanoheterostructures	P.A. Alvi, Pyare Lal, Rashmi Yadav, Shobhna Dixit, S. Dalela	Superlattices and Microstructures	2013	61		1–12
13	Detection of Pathogenic Escherichia coli (E. coli) Strain Using Robust Silver and Gold Nanoparticles	J. Boken, S. Dalela, C.K. Sharma and D. Kumar	Journal of Chemical Engineering & Process Technology	2013	4	8	1000-1017
14	Lasing Characteristics of InGaP/GaAs Nanoscale Heterostructures	Meha Sharma, Rashmi Yadav, Pyare Lal, M. J. Siddiqui, S. Dalela, and P. A. Alvi	Advanced Science, Engineering and Medicine	2014	6		1 – 7
15	Study of the Electronic Structure of Various RE-doped Oxynictide Superconductors Using X-Ray Absorption Spectroscopy	Neena D., P.A. Alvi, K. B. Garg and S. Dalela	Journal of Superconductivity & Novel Magnetism	2014			
16	Well Width Effects on Material Gain and Lasing Wavelength in InGaAsP / InP Nano-Heterostructure	Rashmi Yadav, Pyare Lal, F. Rahman, S. Dalela, P. A. Alvi	Journal of Optoelectronics Engineering	2014	2	1	1-6
17	Study of Band Structure properties of Pnictide $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$ ( $x=0, 0.2$ ) Superconducting compound	Neena D, K. B. Garg, D. Kumar and S. Dalela	Journal of Superconductivity & Novel Magnetism	2014			
18	Qualitative analysis of gain spectra of InGaAlAs/InP lasing nano-heterostructure	P Lal, Rashmi Yadav, Meha Sharma, F. Rahman, S. Dalela and P. A. Alvi	International Journal of Modern Physics B	2014	28	29	1450-1466

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
19	Synthesis of nanoparticles for Plasmonics Applications: A Microfluidic Approach	J. Boken, D. Kumar, S. Dalela	Syn.and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry	2015	45		1211 - 1223
20	Investigation of material gain of $\text{In}_{0.90}\text{Ga}_{0.10}\text{As}_{0.59}\text{P}_{0.41}/\text{InP}$ lasing nano-heterostructure	Rashmi Yadav, Pyare Lal, F. Rahman, S. Dalela And P. A. Alvi	International Journal of Modern Physics B	2015	28	10	1450-068
21	Tunability of Optical Gain (SWIR region) in Type-II $\text{In}_{0.70}\text{Ga}_{0.30}\text{As}/\text{GaAs}$ $0.40\text{Sb}_{0.60}$ Nano-heterostructure under High Pressure	H.K. Nirmal, Nisha Yadav, S. Dalela, Amit Rathi, M.J. Siddiqui, P.A. Alvi	Physica E Low-dimensional Systems and Nanostructures	2016	80		
22	Study of electronic structure and magnetic properties of epitaxial $\text{Co}_2\text{FeAl}$ Heusler Alloy Thin Films	S Soni, S Dalela, S S Sharma, E K Liu, W H Wang, G H Wu, M Kumar, K B Garg	Journal of Alloys and Compounds	2016	674		295-299
23	Electronic structure of $\text{CaX}$ ( $X=\text{O}, \text{S}, \text{Se}$ ) compounds using Compton spectroscopy	MC Mishra, G Sharma, RK Kothari, YK Vijay, BK Sharma	Computational Mat. Sci.	2012	51	1	340-346
24	Electron momentum density and phase transition in SrO	R Kumar, N Munjal, G Sharma, V Vyas, MS Dhaka, BK Sharma	Phase Transition	2012	85	12	1098 - 1108
25	<i>Ab-initio</i> study of structural and electronic properties of AIAs	N Munjal, G Sharma, V Vyas, KB Joshi, BK Sharma	Philosophical Magazine	2012	92	24	3101 - 3112
26	Electronic structure and elastic properties of $\text{TiB}_2$ and $\text{ZrB}_2$	R Kumar, MC Mishra, BK Sharma, V Sharma, JE Lowther, V Vyas, G Sharma	Computational Mat. Sci.	2012	61	--	150-157
27	<i>Ab-initio</i> study of phase transition and electron momentum density in PbTe	P Bhambhani, G Sharma	Phase Transition	2012	86	6	551-560
28	Electronic structure of nanosized ZnO: A Compton profile study	R Kumar, MC Mishra, BK Sharma, V Vyas, G Sharma	Electronic Materials Letters	2013	9	1	19-23

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
29	Electronic structure of Ti-Al from first-principles	G Sharma, V Sharma, BK Sharma	J. of Advanced Phys.	2013	2	1	45-47
30	Electronic structure of ZrO <sub>2</sub> using Compton spectroscopy	FM Mahammad, SF Mahammed, R Kumar, YK Vijay, BK Sharma, G Sharma	J. of Exp. & Theoretical Phys.	2013	117	1	139-143
31	Electron momentum density, band structure and structural properties of SrS	G Sharma, N Munjal, V Vyas, R Kumar, BK Sharma, KB Joshi	J. of Exp. & Theoretical Phys.	2013	117	4	747-753
32	Electron momentum density distribution in hcp-Ti	G Sharma, V Vyas, BK Sharma	Applied Science Focus	2013	1	3	238-241
33	Electron momentum density and phase transition in ZnS	N Munjal, MC Mishra, G Sharma, BK Sharma	J. of Theoretical Chemistry	2013	2013	2013	1-7
34	Electronic properties of ZnO: Band structure and Directional Compton profiles	G Sharma, MC Mishra, MS Dhaka, RK Kothari, KB Joshi, BK Sharma	J. Electronic Materials	2013	42	12	3429 - 3437
35	Electronic structure and momentum density of BaO and BaS	R Kumar, BK Sharma, G Sharma	Advances in Condensed Matter Physics	2013	2013	2013	1-6
36	High pressure study of structural and electronic properties of PbSe	P. Bhambhani, K. Kabra, B. K. Sharma, G. Sharma	J. of Solid State Phys.	2014	2014	2014	1-7
37	Fabrication of Hierarchical Flower Shaped PbS Crystals Via Hydrothermal & Microwave Routes	B.K. Sharma P. Bhambhani, K. Kabra, D. Kumar, G. Sharma	Advanced Materials Research	2015	1105	--	88-92
38	Electronic Properties of Mg <sub>x</sub> Ca <sub>1-x</sub> O (x = 0.0, 0.25, 0.50, 0.75 and 1.0): A First Principles Study	N Munjal and G Sharma	Research Journal of Pharmaceutical, Biological and Chemical Sciences	2015	6	5	428-435
39	Ab-Initio Determination of Electronic Structure of PbS <sub>1-x</sub> Se <sub>x</sub>	K Kabra, P Bambhani, G Sharma, BK Sharma	Adv. Sci. Lett.	2015	21	9	2823 - 2825
40	Theoretical Investigation of Structural and Electronic Properties of PbSe <sub>1-x</sub> Te <sub>x</sub>	P Bhambhani, K Kabra, G Sharma	Adv. Sci. Lett.	2015	21	9	2779 - 2782
41	Investigation of	M.Kaur,	Journal of	2016	--	--	--

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
	Structural and Electronic Properties of Zn <sub>3</sub> P <sub>2</sub> : Theory and Experiment	K. Kabra, R.Kumar, B.K. Sharma, G. Sharma	Electronic Materials				
42	Electronic and optical properties of ceramic Sc <sub>2</sub> O <sub>3</sub> and Y <sub>2</sub> O <sub>3</sub> : Compton spectroscopy and first principles calculations	B.L. Ahuja, Sonu Sharma, N.L. Heda, S. Tiwari, Kishore Kumar, B.S. Meena and S. Bhatt	J. Phys. Chem. Solids	2016	92		53-63
43	Compton profiles and Mulliken's populations of cobalt, nickel and copper tungstates: Experiment and Theory	B.S. Meena, N.L. Heda, Kishor Kumar, Samir Bhatt, H.S. Mund and B.L. Ahuja	Physica B	2016	484		1-6
44	Compton profiles and electronic structure of monoclinic zinc and cadmium tungstate	B.S. Meena, N.L. Heda, H.S. Mund and B.L. Ahuja	Rad. Phys. Chem.	2015	117		93-101
45	Ab-initio calculations for electronic structure and momentum densities of samarium sesquioxide	Sonu Sharma, N.L. Heda, K.K. Suthar, S. Bhatt, K. Sharma and B.L. Ahuja	Comp. Mat. Sci.	2015	104		205-211
46	Electronic properties and Compton scattering studies of monoclinic tungsten dioxide	N.L. Heda and U. Ahuja	Rad. Phys. Chem.	2015	106		33-39
47	Compton scattering and charge transfer in Er substituted DyAl <sub>2</sub>	B.L. Ahuja, F.M. Mohammad, S.F. Mohammed, J. Sahariya, H.S. Mund and N.L. Heda	J. Phys. Chem. Solids	2015	77		50-55
48	Electronic structure and cohesive properties of GaN	G. Arora, H.S. Mund, V. Sharma, N.L. Heda, B.L. Ahuja	Indian J. Pure Appl. Phys.	2015	53		328-334
49	Role of oxygen atoms in bonding properties of semiconducting tungsten trioxide	N.L. Heda, A. Dashora, J. Sahariya and B.L. Ahuja	Solid State Phenomena	2014	209		156-59
50	Electronic properties of RDX and HMX: Compton scattering experiment and first-principles calculation	B.L. Ahuja, P. Jain, J. Sahariya, N.L. Heda and P. Soni	J. Phys. Chem. A	2013	117		5685-92
51	Electronic properties and electron momentum density of	N.L. Heda and B.L. Ahuja	Comp. Mat. Sci.	2013	72		49-53

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
	monoclinic WO <sub>3</sub>						
52	Evaluating the optimum load range for box-type solar cookers	S. Mahavar, P. Rajawat, R.C. Punia, N. Sengar, P. Dashora	Renewable Energy	2015	74		187-194
53	A Comparative Theoretical and Experimental Study of Hot Box Solar Cookers of Two Different Shapes and Same Aperture Areas	N. Sengar, S. Jain	International Journal of Science, Environment and Technology	2015	4	3	841-846
54	Mathematical Formalism to Study Energy Distribution Pattern in Solar Hot Boxes for Global Solar Radiation	N. Sengar, P. Dashora, S. Mahavar, R. C. Punia	International Journal of Innovative Research in Science, Engg and Techno.	2014	3	12	1814-1815 6
55	Study of energy expenditure in rural households of Rajasthan,	N. Sengar and R. P. Vaishnav	Journal of Development Management	2013	1	3	303-311
56	Novel Solar Cookers: Suitable for single families.	Mahavar S., N. Sengar, Verma, M., Rajawat P. and Dashora P	International Journal of Sustainable Energy	2013	32	6	574-586
57	Design development and performance studies of a novel Single Family Solar Cooker	S. Mahavar S., N. Sengar, M. Verma, P. Rajawat and P. Dashora	Renewable Energy	2012	47		67-76
58	A comparative study of correlation functions for estimation of monthly mean daily global solar radiation for Jaipur, Rajasthan	V.K Marwal, R.C Punia, N. Sengar, S. Mahavar, and P. Dashora	Indian Journal of Science and Technology	2012	5	5	2729-2732
59	Numerical Modeling of a Box Type Solar Cooker	R. C. Punia, V.K. Marwal, N. Sengar and P. Dashora	International Journal of Advances in Science and Technology	2012	4	4	75-83

❖ **Published in Conference proceedings**

**: 15**

S. No.	Title of the Paper	Name of all Authors	Details of Proceedings	Year	Vol.	Issue	Page
1	Analytical and numerical investigation of high-harmonic and attosecond pulse-train	Vineeta Jain, H.K. Malav, K.P. Maheshwari and N.K. Jaiman	Journal of Physics: Conference series	2012	365		012-005

S. No.	Title of the Paper	Name of all Authors	Details of Proceedings	Year	Vol.	Issue	Page
	generation: the sliding mirror model						
2	Interaction of ultrashort – ultra-intense laser pulse with a thin plasma layer.	Vineeta jain, Harish Malav, N.K. jaiman and K.P. Maheshwari	First PSSI scholar Colloquium	2012	101		
3	3D isostructurality of inorganic-organic hybrid materials	Dinesh, M. Redemeyer, M. Kumar, S. Dalela	American Institute of Physics, AIP Conference Proceedings	2012	1393		227 - 228
4	Structure-property-relationship of p-toluidinium tetrachloromercurate (II)	Dinesh, Mukesh Kumar, and S. Dalela	AIP Conference Proceedings	2014	1591		1247
5	Interplay of Structural, Optical and Magnetic properties in Gd doped CeO <sub>2</sub>	S. Soni, Sudish Kumar, R.S. Meena, V. S. Vats and S. Dalela	AIP Conference Proceedings	2015	1665		130029
6	Band Structure Properties of Ceramic Composite Superconductor Bi <sub>1.7</sub> Pb <sub>0.3</sub> Sr <sub>2</sub> Ca <sub>1</sub> Cu <sub>2</sub> O <sub>8+δ</sub> using XPS	S.Soni, Neena D., B. Dalela and S. Dalela	Conference Proceedings of National Conference on AFMA-2015	2015			20-24
7	Study of phase transition and cohesive energy in MgO	N Munjal, P Bhambhani, G Sharma, V Vyas, BK Sharma	J. of Phys.: Conf. Series	2012	377	1	012067
8	First-principles study of B1 to B2 phase transition in PbS	P Bhambhani, N Munjal, G Sharma, V Vyas, BK Sharma	J. of Phys.: Conf. Series	2012	377	1	012068
9	Compton profile study of ZrB <sub>2</sub>	V Vyas, R Kumar, G Sharma, BK Sharma	AIP Conf. Proc.	2013	1536	--	387 - 388
10	Electronic structure and bonding in CaO	G Sharma, MC Mishra, V Vyas, BK Sharma	AIP Conf. Proc.	2013	1536	--	385
11	Electronic structure of polycrystalline Cd metal using <sup>241</sup> Am radioisotope	MS Dhaka, G Sharma, MC Mishra, BK Sharma	AIP Conf. Proc.	2014	1591	--	1075
12	Electronic Structure Study of TiB <sub>2</sub> And Ti <sub>2</sub> B	G Sharma, M. Vashistha, K. Kabra, V. Vyas	AIP Conf. Proc.	2015	1665	--	090039
13	Mulliken's Population	B. Singh, N.L.	Proceedings	2015	---	---	39-

S. No.	Title of the Paper	Name of all Authors	Details of Proceedings	Year	Vol.	Issue	Page
	and Compton Profiles of $\text{AWO}_4$ (A=Co, Ni, Cu and Zn) Using B3PW Method	Heda, S. Bhatt, Kishor Kumar, Komal Bapna, Shailja Tiwari and B.L. Ahuja	of National Conference on "Advanced Functional Materials and Their Applications (AFMA-2015)				43
14	Stable Growth of Cr Doped Nickel Ferrite Thin Films on Si (100) and (111) Substrates	Kalpana Panwar, S. Tiwari, K. Bapna, N.L. Heda, R.J. Choudhary, D.M. Phase and B.L. Ahuja	Proceedings of National Conference on "Advanced Functional Materials and Their Applications	2015	---	---	55-57
15	A Study of Variation in Temperature Profile of Load with Change in Absorber Base Plate Materials for Hot Box Solar Cookers	Sachin Jain and Namrata Sengar	pro. of the natl conf. on advanced functional materials and their applications	2015			109 - 112

❖ **Monographs**

: Nil

❖ **Chapters in Books**

: 09

S. No.	Title of the Chapter	Name of all Authors	Title of the Book	Name of the Publisher	Year	ISBN
1.	<i>Ab-initio</i> deter. of pressure dependent electronic and opt. prop. of PbS for energy applications	P. Bhambhani and G. Sharma	Advanced Materials Series,	WILEY-Scrivener Publishing, USA	2014	978-1-1186-8629-4
2.	Partial Differential Equations	Dr. Namrata Sengar	Mathematical Physics and Numerical Analysis	Pragya Publications Pvt. Ltd. Mathura (Vardhman Mahaveer Open University, Kota)	2015	ISBN: 978-81-849G528-5
3.	Fourier Series, applications of Fourier Series	Dr. Namrata Sengar	Mathematical Physics and Numerical Analysis	Pragya Publications Pvt. Ltd. Mathura (Vardhman Mahaveer Open University, Kota)	2015	ISBN: 978-81-849G528-5
4.	Integral Transforms	Dr. Namrata Sengar	Mathematical Physics and Numerical Analysis	Pragya Publications Pvt. Ltd. Mathura (Vardhman Mahaveer Open University, Kota)	2015	ISBN: 978-81-849G528-5

S. No.	Title of the Chapter	Name of all Authors	Title of the Book	Name of the Publisher	Year	ISBN
5.	Introduction to computers	Dr. Namrata Sengar	Mathematical Physics and Numerical Analysis	Pragya Publications Pvt. Ltd. Mathura (Vardhman Mahaveer Open University, Kota)	2015	ISBN: 978-81-849G528-5
6.	Boundary value Problems in Electrostatics	Prof. K. P. Maheshwari Dr. Sushil K. Rajpurohit Dr. Saurabh Dalela	Classical Electrodynamics and Special Theory of Relativity	Pragya Publications Pvt. Ltd., Mathura	2015	978-81-8496-530-8
7.	Multipole expansion	Prof. K. P. Maheshwari Dr. Sushil K. Rajpurohit Dr. Saurabh Dalela	Classical Electrodynamics and Special Theory of Relativity	Pragya Publications Pvt. Ltd., Mathura	2015	978-81-8496-530-8
8.	Elementary treatment of electrostatics with permeable media	Prof. K. P. Maheshwari Dr. Sushil K. Rajpurohit Dr. Saurabh Dalela	Classical Electrodynamics and Special Theory of Relativity	Pragya Publications Pvt. Ltd., Mathura	2015	978-81-8496-530-8
9.	Study the characteristics of Klystron.	Dr. R. C. Dhabhai Dr. Saurabh Dalela	Physics Laboratory	Pragya Publications Pvt. Ltd., Mathura	2015	978-81-8496531-5

**❖ Edited Books : 01**

S. No.	Title of the Books	Name of Authors	Name of the Publisher	Year
1	Proceedings of National School on Quantum Mechanics 2013,	K.P. Maheshwari, N.K. Jaiman, G. Sharma, N.Munjal,	Organized by University of Kota, Kota	2013

**❖ Books with ISBN with details of publishers : 01**

S. No.	Title of the Books	Name of all Authors	Name of the Publisher	Year	ISBN
1.	Electronic Structure of Cuprate Perovskites	Saurabh Dalela	Lambert Academic Publisher, Germany	2012	9783659155796

❖ **Number listed in International Database (based on Google Scholar etc.)** : 59

❖ **Citation Index – range / average** : Range 44-173  
(as per Google scholar / Scopus database)

❖ **SNIP** : 0.0-2.047

❖ **SJR** : 0.0-1.890

❖ **Impact Factor – range / average** : Range 0.0-3.635

❖ **h-index:** Range 5.0-8.0 (as per Google scholar/Scopus database)

**23. Details of patents and income generated** : Nil

- 24. Areas of consultancy and income generated** : Nil
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**
- Department faculty members shall visit the University of Durham and Cranfield University (UK Universities) under Newton Bhabha Fund for Higher Education Partnership between Royal Academy of Engineering, UK and FICCI, India.
  - Dr. Saurabh Dalela-visited ELETTRA synchrotron facility, Italy in December 2012 under Indo-Italian POC programme sponsored by DST, India.
- 26. Faculty serving in**
- (a) National committees:**
- Dr. N.L. Heda- Elected as "Executive Committee Members" of Indian Society of Radiation Physics, India for the years 2016-2018.
- (b) International committees:**
- Dr. Saurabh Dalela- Visiting Professor and member of syllabus development committee at Department of Physics, Royal University of Phnom Penh, Cambodia.
- (c) Editorial Boards:**
- Prof. K. P. Maheshwari- Journal of Physics (Indian Association of Cultivation of Science)- Associate Editor (Plasma Group).
  - Dr. Ghanshyam Sharma- Member of editorial board of International Journal of Current Science & Technology (IJCSST).
- (d) any other (please specify):**
- Prof. K. P. Maheshwari- Life Member of Indian Laser Association, Indian Physics Association, Plasma Science Society of India, Vacuum Electronic Devices and Applications Society, Indian Association of Physics Teachers (IAPT); Fellow of Vacuum Electronic Devices and Applications Society.
  - Dr. Saurabh Dalela- Life membership of International XAFS Society, USA; Indian Association of Physics Teachers (IAPT); Fellow of Indian Optical Society, India.
  - Dr. Ghanshyam Sharma-Life membership of American Nano Society (ANS): ID 116008/2011; Indian Association of Physics Teachers (IAPT): ID 8247 L-4825; Indian Science Congress Association (ISCA): ID L13644/2008; Rajasthan Physics Association (RPA): ID LM 110/11/08.
  - Dr. Namrata Sengar-Member of Departmental Research Committee for Department of Energy and Environment,

Rajasthan Technical University, Kota (HVC nominee); Solar Energy Society of India (SESI- Life Member); Indian Association of Physics Teachers (IAPT- Life Member).

**27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**

Department has organised Refresher Course in Experimental Physics during January 09-25, 2014 in collaboration with Science Academies of India.

**28. Student projects:**

- Percentage of PG students who have done in-house projects including inter-departmental projects : 71%
- Percentage of PG students doing projects in collaboration with other universities / industry / institute : 29%

**29. Awards / recognitions received at the national and international level by Faculty:**

- Prof. K. P. Maheshwari-Life time Achievement award by Vacuum Electronic Devices and Applications, Microwave Tube Research and Development Center, Bangalore.
- Dr. Ghanshyam Sharma-Young Scientist Award under DST-Fast Track (OYS) Scheme in 2013.
- Dr. Namrata Sengar- Best Paper Presentation (Oral) at Retopia organized by TERI University, 11 Oct 2012.

**Doctoral / post doctoral fellows:**

- Ms. Swati Soni- Women Scientist Award from DST, New Delhi.

**Students:**

- 10 PG and 12 UG students are receiving *INSPIRE Scholarship* under DST-SHE programme of Govt. of India.

**30. Seminars/ Conferences / Workshops organized and the source of funding (natl / intl) with details of outstanding participants, if any:**

S. No.	Name of the Conference	Date	Sponsored / Organised by
1	National Workshop on Quantum Mechanics	27-30 January 2012	Deptt. of Pure & Applied Physics, University of Kota, Kota
2	Energy Meet 2012	22 November, 2012	Deptt. of Pure & Applied Physics, University of Kota, Kota
3	National School on Quantum Mechanics 2013	05-09 March, 2013	Deptt. of Pure & Applied Physics, University of Kota, Kota
4	Energy Meet 2013	02 December, 2013	Deptt. of Pure & Applied Physics, University of Kota, Kota
5	National School on Quantum Mechanics 2014	18-22 Feb, 2014	Deptt. of Pure & Applied Physics, University of Kota, Kota

6	Energy Meet 2014	November 14-15, 2014	Deptt. of Pure & Applied Physics, University of Kota, Kota
7	Energy Meet 2015	11 Dec, 2015	Deptt. of Pure & Applied Physics, University of Kota, Kota
8	National School on Quantum Mechanics 2015	20-25 Dec, 2015	Deptt. of Pure & Applied Physics, University of Kota, Kota

**31. Code of ethics for research followed by the departments:**

- Plagiarism monitoring,
- Due acknowledgement for funding agencies and academic discussions.
- Sharing of research ideas between faculty members and researchers.
- The code of ethics for research followed by UGC and as per the norms of University of Kota, Kota.

**32. Student profile programme-wise (from 2012-13 to 2015-16):**

Name of the Programme	Application Received	Selected		Pass percentage	
		M	F	M	F
<b>2015-16</b>					
Integrated B.Sc.-M.Sc. Physics	104	27	14	89.20	100.00
M.Sc. Physics Energy	110	13	15	86.36	84.60
M. Tech Solar Energy	33	16	2	85.00	86.00
<b>2014-15</b>					
Integrated B.Sc.-M.Sc. Physics	92	29	11	96.55	90.90
M.Sc. Physics Energy	64	15	15	100.00	100.00
M. Tech Solar Energy	73	15	5	82.00	86.00
<b>2013-14</b>					
Integrated B.Sc.-M.Sc. Physics	91	24	16	91.66	87.50
M.Sc. Physics Energy	66	13	6	100.00	83.33
<b>2012-13</b>					
M.Sc. Physics Energy	18	9	3	100.00	100.00

**33. Diversity of students (session 2015-16):**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	--	--	--	--
PG	85.71	14.29	--	--
Ph.D.	50.00	37.50	12.50	--
M.Tech	--	100.00	--	--

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:**

The students of this department have gone through various competitive examinations and job opportunities; as per the details given below:

- NET 05
- GATE 02
- Scientist C 01 (BARC)
- Scientific Assistant 01 (SINP)

**35. Student progression (session 2015-16):**

Student progression	Percentage against enrolled
UG to PG	82.05
PG to M.Phil.	--
PG to Ph.D.	50.00
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	--
• Other than campus recruitment	20.00
Entrepreneurs	2.00

**36. Diversity of staff:**

Percentage of faculty who are graduates	
of the same university	--
from other universities within the State	100%
from universities from other States	--
from universities outside the country	--

**37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:**

None, all Faculty members are selected with the qualification of Ph.D.

**38. Present details of departmental infrastructural facilities with regard to**

**(a) Library:** No Departmental Library.

**(b) Internet facilities for staff and students:**

1GBPs LAN and Wi-Fi facility are accessible to all students and faculty members. The facility is accessible all around the campus. The Centre library is also equipped with UGC-Info net facility used by all research scholars and faculty members.

**(c) Total number of class rooms facility:**

04; One of the class room is equipped with Smart Board for interactive classes and department has owned four projectors for emergency and extension lecture activities.

**(d) Students' laboratories:**

05; UG and PG laboratories, which comprises of Advanced Electronics Lab, LASER & Spectroscopy Lab, General Physics Lab for UG classes, Computer Lab, Solar Energy Lab for M.Tech. students.

**(e) Research laboratories: 02**

**39. List of doctoral, post-doctoral students and Research Associates  
a. from the host institution/university:**

Name	Title	Supervisor
Mr. K.K. Soni	--	Prof. K.P. Maheshwari
Ms. Swati Soni	Study of electrical, Optical and magnetic properties in Doped CeO <sub>2</sub>	Dr. Saurabh Dalela
Mr. Vikas Gaurav	Study of electrical, Optical and magnetic properties in Doped ZnO	Dr. Saurabh Dalela
Ms. Maya Kaur	Electronic and optical properties of Zn <sub>3</sub> X <sub>2</sub> (X=N, P, As) semiconductor compounds from First-principles and experiments	Dr. Ghanshyam Sharma
Mr. R.C. Dhabhai	Non-Linear interaction of an intense ultra-short pulse laser with magnetized plasma	Prof. N.K. Jaiman
Mr. Vipul Arora	--	Prof. N.K. Jaiman
Ms. Shweta Arora	First-principles of electronic and optical properties of CuX(X=S, Se, Te) compounds	Dr. Ghanshyam Sharma
Ms. Kalpana Panwar	Electronic and magnetic structure of some nickel ferrites	Dr. N.L. Heda

**b. from other institutions/universities : Nil**

**40. Number of post graduate students getting financial assistance from the university : Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

The Physics Department of the University has been in existence since 2007 with an objective to provide the physics education of both, pure as well as applied nature, especially, in the field of energy, which being the most important domain of science. Hence, globally occupying the most prominent place among the thrust area activities, even recognized by the department of Science and Technology

(DST), Government of India, that needs to be emphasized on in an integrated fashion by actively involving the industrial sector in general and energy generation plants in particular in order to contribute towards solving the problem of severe energy crisis and the environment related issues. The department offers five courses:

- Integrated B.Sc.-M.Sc. (Physics)
- M.Sc. Physics (Energy)
- M.Tech (Solar Energy)
- M. Phil. (Physics)
- Ph.D.

The existing course curricula of the courses have been designed by the faculty members of the Department in consultation with academicians and the energy professional/ technocrats and physicists as per the modern needs of the subject so that students can perform better in competitive examinations. The curriculum of the courses have been discussed during the Committee of Courses (COC) meeting of the Physics held every year, which have been circulated to the COC members scientists, industrialists and academicians. After approval, the programmes curriculum is submitted to the academic council of the University for Finalisation. Every year, the curriculum of programme is reviewed and inputs from the academic departments and industry is included to maintain the quality and employability of the courses. The course curriculum of the department provides the theoretical and practical knowledge, and in addition, gives the exposure of training in the institutes /organization like BARC, IGCAR, CAT, IPR, TIFR, IITs to PG students.

**42. Does the department obtain feedback from:**

**(i) faculty on curriculum as well as teaching-learning-evaluation?**

**If yes, how does the department utilize the feedback?**

Yes. The feedback from faculty members of department and of affiliated colleges is invited during BOS and COC faculty meetings, which is used for revision of syllabi for the courses offered by the department.

**(ii) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

The Department has initiated the feedback from students about the staff, curriculum and their difficulties, however, not on regular basis. This feedback is utilized to update the syllabi of the programmes.

**(iii) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Nil

**43. List the distinguished alumni of the department (maximum 10):**

1. Mr. Surendra Nagar, Scientist 'C', RAPP, Rawatbhata.
2. Mr. Rahul Rathore, Scientific Assistant, SINP, Kolkata.
3. Mr. Piyush Parashar, Research Scholar (MNRE sponsored), IIT Delhi
4. Dr. Harish Malav, Lecturer, Govt. Polytechnic College, Baran.
5. Ms. Meenakshi Bhatia, Branch Manager, ICICI Bank, Kota.
6. Mr. Vikas Gaurav, Sr. Teacher, Jhalawar, Selected through RPSC.
7. Mr. Ravi Meena, Sr. Teacher, Tonk, Selected through RPSC.
8. Mr. Manish Kumar, Sr. Teacher, Selected through RPSC, Ajmer.
9. Mr. Hukmi Chand Sutar, Head, Department of Physics, Career Point University, Kota.
10. Ms. Sonam Kumari, Assistant Professor, Department of Physics, Career Point University, Kota.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**

S. No.	Name of the Conference	Date	Recourse Person
1	Energy Meet 2010	24 February, 2010	Dr. Anil Kakodkar, Ex-Atomic Commission Chairman & Secretary, Department of Atomic Energy, Govt. of India
2	National Workshop on Quantum Mechanics	27-30 January 2012	Prof. Ajoy Ghatak, IIT Delhi Prof. J.K. Sharma, JNVU Jodhpur
3	Energy Meet 2012	22 November, 2012	Prof. Ravindra Arora, IIT Jodhpur Prof. G.D. Sharma, JNVU Jodhpur
4	National School on Quantum Mechanics 2013	05-09 March, 2013	Prof. Ajoy Ghatak, IIT Delhi Prof. K. Thyagrajan, IIT Delhi
5	Energy Meet 2013	02 December, 2013	Prof. Y.K. Vijay, Former Director, CDPE, UOR Jaipur Dr. Ratna Jain, Former Mayor, Kota
6	National School on Quantum Mechanics 2014	18-22 February, 2014	Prof. A.K. Kapoor, University of Hyderabad Prof. Deepak Kumar, JNU Delhi
7	Energy Meet 2014	14-15 November, 2014	Dr. P.C. Pandey, CAZRI Jodhpur Prof. S. M. Ali, Vice-President, Solar Energy Society of India
8	Energy Meet 2015	11 December, 2015	Dr. Deepak Gadhia, MSA Renewtech, Vadodara Mr. Rajendra Singh Khichar, Irrigation Department Jaipur
9	National School on Quantum Mechanics 2015	20-25 December, 2015	Prof. Deepak Kumar, JNU Delhi Prof. K.B. Joshi, MLSU Udaipur

**45. List the teaching methods adopted by the faculty for different programmes:**

The Departments includes following teaching methods:

- Classroom teaching using smart boards, black boards and projector.
- Seminar of students on recent development in the subject.
- Experts / extension lecture for the specific topics by the academicians and industry persons.
- Learning through hands on training, field visits, group discussions, open sessions and assignments etc.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The department takes care that regular classes are held along with various activities for enhancing the knowledge and personalities of the students. Seminar, presentations and discussions are regular feature. Further, department has course coordinator for the each programme. The coordinators monitor the classes, attendance of the students, and modern needs of the curriculum of the courses and they ensure the objectives of the programmes. The Department has also appointed class representative for each class and the coordinator and head of the department regularly interact with the students to resolve their difficulties. Department is collaborating with other universities and industry persons to achieve the objectives of continuous improvement in course content and teaching and research.

**47. Highlight the participation of students and faculty in extension activities:**

The University of Kota has NSS and DSW cells. The students and faculty of the Department are actively participated in the activities like tree plantation and blood donation camp etc. organised by the cells. The DSW cell and Students' Union of the University jointly organize sports and cultural week every year and the students and faculty members of the departments actively participate in the events. Extension lectures from well known experts in the field of academics and industries are organized for supplementing the knowledge of the students and teachers. The Department has Solar Club and Physics Club for the students to interact and discuss under the monitoring of faculty members.

**48. Give details of “beyond syllabus scholarly activities” of the department:**

Department regularly organizes various national conferences for students like Energy meet, National School on Quantum Mechanics etc. and the students are encouraged to participate and be a part of the

activities so that students get the exposure of cutting edge research in the subject. During the conference, the students interact with the experts and share their ideas. The Department also has the provision of the industrial visits for the benefit of the PG students. The students participate in the activities as Quiz, slogan, debate and poster competition through Solar club and Physics Club. Industrial visits are organized every year.

**49. State whether the programme/department is accredited/ graded by other agencies? If yes, give details : Nil**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

- The series of Energy meet and Quantum Mechanics update the knowledge of the faculty and the students via interaction with the experts like Dr. Anil Kakodkar and Prof. Ajoy Ghatak.
- The faculty members of the departments are working in the research area of Plasma Physics, Energy Studies and Material Science and the department contributes significantly in basic and applied research.
- The department has developed the synthesis and characterization techniques for the bulk and nano-particles in a very short period of time.
- The Computational facility in the department includes CRYSTAL and VASP Codes.
- The department aims to develop technology and knowledge for welfare of the society and in this regards works are going on development of designs of systems for society need based solar devices and applications. Further research on materials for solar applications is also going on.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**

- **Strength:**
  - The courses running at the department have been designed as per the present day requirements such as Five year Integrated B.Sc.-M.Sc. (Physics), M.Sc. Physics (Energy), M.Tech. (Solar Energy). The course content is of pure and applied physics emphasizing on Energy Studies which is DST recognised thrust area activity.
  - Syllabus content is at par with the modern needs. The course contents are even more advanced than their mainstream course content in B.Sc. and M.Sc.
  - Good strength of students.

- Department has qualified and experienced faculty members, engaged in research.
  - Departmental faculty members are committed for regular classes and quality class-room teaching.
  - All the courses of the department are in semester system and hence continuous evaluation of students is undertaken through quiz, internal tests, seminars and viva voce, etc.
- **Weaknesses:**
    - The number of faculty members is less as per requirements looking to the number of courses offered by the department.
    - There are no regular technical laboratory / supporting staffs appointed.
    - The University-Industry linkage is weak.
- **Opportunities:**
    - The University of Kota and the department can emerge as an important centre for learning, disseminating knowledge, research and consultancy for the Hadoti region of Rajasthan.
    - It is a very young department with dedicated faculty members and good strength of students who are working with enthusiasm for development at all levels.
    - Energy is prerequisite for development of any society and nation, so energy studies supplemented with researches at laser plasma and material development offer the possibility of addressing many problems linked to technology, society and national economy.
    - There is tremendous growth opportunity for the teachers and students in the field of laser-plasma, materials and energy studies.
    - The University is located at Kota which has a number of power plants ranging from coal based, nuclear, gas, hydro, biomass and solar power plants. This provides an opportunity to the students to visit and undergo training at these power plants and they may find placements at power plants.
    - Employment opportunities in the field of teaching, research, entrepreneurship etc.
    - Department can take a lead for development of society need based knowledge and technology.
- **Challenges:**
    - The courses being run at the department are of unique nature and one of its kinds all over the Rajasthan state. In account of this these courses and the faculty members should keep pace

with the latest changes taking place in order to maintain quality is a big challenge for department.

- Mainly the students are from Hadoti region with weak communication skills and influencing personalities. For this overall development of students is required at every level so that students may be placed in better organisations.
- Lack of adequate number of faculty members may affect the quality of the programmes.
- Lack of laboratory and supporting staff may result in degradation of the laboratory equipment and may affect the quality of practical teaching.
- Lack of funds, finances and facilities at the department may affect the quality of the courses.

**52. Future plans of the Department:**

The object of the department is to develop the qualitative and quantitative reasoning skills of the students and to provide them a conducive environment for overall development in order to enhance their employability in various research and development organizations, industries, academic institutions within the country and abroad. The department aims to develop as a centre of excellence through learning, teaching and research in the fields of Laser-Plasma Technology, Material Science and Energy Studies.

## **Evaluative Report of the Department** **(from April 2012 to March 2016)**

1. **Name of the Department:**  
Department of Computer Science & Informatics
2. **Year of establishment:**  
2007
3. **Is the Department part of a School/Faculty of the university?**  
Yes (Faculty of Science)
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., D.Sc., D.Litt., etc.) :**  
MCA (PG Course), Ph.D.
5. **Interdisciplinary programmes and departments involved:**

S. No.	Course & Subject	Department involved
1	MCA-I Semester, Accounting & Finance	Department of Commerce & Management

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**  
: Nil
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System: Annual / Semester / Trimester / Choice Based Credit System (CBCS):** Semester System with CBCS.
9. **Participation of the department in the courses offered by other departments:**

S. No.	Department	Deptt. of CSI faculty involved in Subjects
1	Department of Pure & Applied Chemistry	Computer for Chemists
2	Department of Pure & Applied Physics	Programming in C, Matlab
3	Department of Commerce & Management	Spread sheet, computer in accounting
4	Department of Social Science	Information Technology in Development studies

**10. Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors / others):**

Posts	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professors	2	2	2
Asst. Professors	3	1	1

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D. / M.Phil. guided (last 4 years)
Prof. Reena Dadhich	Ph.D.	Prof. & Head	Wireless ad-hoc network and sensor network, Software Testing	17 years 8 months	06 Ph.D., 02 M.Phil., 03 M.Tech.
Dr. O.P.Rishi	Ph.D., M.Tech	Associate Professor	Artificial Intelligence, Intelligent Systems & CBR, Software Systems and Agent technology , Cloud Computing, Information Security	16 years	02 Ph.D., 05 M.Tech.
Dr. P.C. Gupta	Ph.D.	Associate Professor	Artificial Neural Network, Database	18 years	07 Ph.D., 03 M.Tech.
Mr. K.K. Sharma	M.Tech.	Assistant Professor	AI, Clustering Algorithms, Robotics	4 years (Approx)	03 M.Tech.

**12. List of senior visiting fellows, adjunct faculty, emeritus professors:**  
Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information:**

S. No.	Semester	Permanent Faculty Contact hours / Week	Guest Faculty Contact Hours / Week	Total (Contact Hours / Week)	Percentage of classes taken by Guest (temporary) faculty
1	Odd	(12+14x2+16x1=56)	72	128	56.25
2	Even	(12+14x2+16x1=56)	28	84	33.33

**14. Programme-wise Teacher Student Ratio:**

S. No.	Sem.	No. of Permanent Faculty	No. of Guest (Temp.) Faculty	Total Faculty	No. of enrolled Students	Teacher Student Ratio
1	Odd	4	7 (Approx.)	11 (Approx.)	106	106/11= 1:9.63 (Approx.)
2	Even	4	4 (Approx.)	8 (Approx.)	106	67/8=1: 8.375* * VI Semester students go for 6 Months Industrial Training

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : Nil**

(NOTE: Department has Placement agency workers as 01-Computer Operator, 01- Peon, 01-lab attendant).

**16. Research thrust areas as recognized by major funding agencies: Nil**

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:**

S. No	Title	Funding Agency	Amounts (In Lacs)	Duration
1.	Denoising of Magnetic Resonance Images of brain using Intelligent hybrid technique of Wavelet Multiscale and Dynamic Contrast Enhanced method	UGC	2	2 years

**18. Inter-institutional collaborative projects and associated grants received: Nil**

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:**

S. No	Title	Funding Agency	Amounts (In Lacs)	Duration
1.	Denoising of Magnetic Resonance Images of brain using Intelligent hybrid technique of Wavelet Multiscale and Dynamic Contrast Enhanced method	UGC	2	2 years

**20. Research facility / centre** : Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies** : Nil

**22. Publications:**  
**❖ Published in peer reviewed journals (Natl / Intl) : 60**

S. No.	Title of the paper	Authors	Name of the Journal	Year	Vol.	Issue	Page
1.	Integrating CMMI Maturity levels-3, in Traditional Software Development Proces	R. Dadhich, U. Chouhan	Software Engineering and Applications	2012	3		17-26
2.	Analysis and Literature Review of IEEE 802.16e (Mobile WiMAX) Security	R Dadhich, GeetikaNaran, D.M. Yadav	Engineering and Advanced Technology	2012	1	3	163-173
3.	An Optimum Time Quantum Using Linguistic Synthesis for Round Robin CPU Scheduling Algorithm	S. Raheja, R. Dadhich and Smita Rajpal	Soft Computing	2012	3	1	57-66
4.	Analyzing the Efficient Test Order for Integration Testing	R. Dadhich and S. Sehgal	Advanced Computing	2012	3	4	35-42
5.	Measuring Reliability of an Aspect Oriented Software Using Fuzzy Logic Approach	R Dadhich and Bhavesh Mathur	Engineering and Advanced Technology	2012	1	5	233-237
6.	Design of Cloud Computing Based MIS Model for Textile Industries	R. K. Somani and Reena Dadhich	Engineering and Innovative Technology	2013	2	11	70-75
7.	Comparative Analysis of VANET Routing Protocols Using VANET RBC and IEEE 802.11p	A. N. Mahajan, Reena Dadhich	Engineering Research and Applications	2013	3	4	531-528
8.	Mobility Simulation of Reactive Routing Protocols for Vehicular Ad-hoc Networks	Reena Dadhich, Ramesh C. Poonia	IJCA Journal	2012			57-61
9.	Puzzle based approach for Solving Denial of Service Attack in Mobile WiMAX	R Dadhich, G Narang, D.M. Yadav	International Journal on Ad-Hoc Net. Systems	2012	2		21-31

S. No.	Title of the paper	Authors	Name of the Journal	Year	Vol.	Issue	Page
10.	Design of Cloud Computing based ERP model	R. K. Somani & R. Dadhich	International Journal of I T, engineering	2013	2	6	39-43
11.	2-Layered Architecture of Vague Logic Based Multilevel Queue Scheduler	R. Supriya, Dhadich, Reena, Rajpal Smita	Applied Computational Intelligence and Soft Computing	2014			12
12.	Many-Valued Logics for Modeling Vagueness	S Raheja, R Dhadich	International Journal of Computer Applications	2013	61	7	35-39
13.	Selection of node density with cluster inSPIN for data centric wireless sensor network	A Tripathi, N Yadav, R Dadhich	Technologies for Sustainable Development	2015			
14.	Comparative Analysis of the Popular Websites for Electronic Filing (E-filing) of Taxes in India	NR Renu Verma, R. Dadhich	International Journal for Scientific Research	2015	3	09	811-816
15.	Status of Electronic Filing (E-filing) of Taxes in India Vis -a- Vis other parts of the world: A Snapshot	NR Renu Verma, R. Dadhich	Int. J. Inno. Research in Science, Engineering	2015			
16.	Designing of vague logic based multilevel feedback queue scheduler	S Raheja, R Dadhich, S Rajpal	Egyptian Informatics Journal	2015			
17.	Designing of Vague Logic Based Fair-Share CPU Scheduler: VFS CPU Scheduler	S Raheja, R Dadhich, S Rajpal	International Journal of Fuzzy System Applications	2015	4	3	25
18.	Quality Models for Web-based Application: A Comparative Study	N Kumar, R Dadhich, A Shastri	International Journal of Computer Applications	2015	125		25-32
19.	Optimization of Clustering in SPIN and LEACH for Data Centric Wireless Sensor Network	DRD A. Tripathi, Dr N. Yadav	International Journal of Advances in Engineering & Technology	2014	335		197-205
20.	Identification and Analysis of Failure Attributes for an ERP System	Anubhav Kumar, P.C.Gupta	Procedia-Social and Behavioral Sciences: International Congress on Interdisciplinary Business and Social Sciences 2012 (ICIBSoS 2012)	2012	65		986-991

S. No.	Title of the paper	Authors	Name of the Journal	Year	Vol.	Issue	Page
21.	Predicting the Class of a Mentally Disabled Patient to Check the Level of Mental Retardation by using Feed Forward Back Propagation Neural Network	P.C.Gupta, Anjali Mathur	International Journal of Computer Application	2012	41		44-50
22.	Design and Implementation of Research Module in Educational KM System	Anubhav Kumar, P.C.Gupta	International Journal of Computer Science and Telecommunications	2012	3		49-55
23.	A Comparative Study of Steganography and Watermarking	Manoj Kumar Sharma, P.C.Gupta	International Journal of Research in IT & Management	2012	2		
24.	Survey of Threats to the Biometric Authentication Systems and Solutions	Sarika Khandelwal, P.C.Gupta	International Journal of Computer Applications	2013	61		39-43
25.	Identification of Human through Palmprint	Shalini Agarwal, P.C.Gupta	International Journal of Advanced Research in Computer Engineering and Technology	2012	1		19-22
26.	A Novel Approach of Handwritten Devanagari Character Recognition through Feedforward Back Propagation Neural Network	Shubhra Saxena, P.C.Gupta	International Journal of Computer Application	2012	51		33-41
27.	Predicting the Number of Blood Donors through their Age and Blood Group by using Data Mining Tool	Arvind Sharma, P.C.Gupta	International Journal of Communication and Computer Technologies	2012	1		6-Oct
28.	Evaluation of Enterprise Resource Planning Life Cycle on the Scale of ERP Implementation Failure	P.C.Gupta, Anubhav Kumar	International Journal of Research in IT, Management and Engineering	2012	2		61-68
29.	Comparative Study and Analysis of Soft Computing Techniques Implemented in Secure Data Transmission	Hemant Garg, P.C.Gupta	International Journal of Advanced Research in Computer Engineering & Technology	2012	1		271-274

S. No.	Title of the paper	Authors	Name of the Journal	Year	Vol.	Issue	Page
30.	Minimization of Average Delay Routing Load and Packet Loss Rate in AODV Routing Protocol	Hemant Garg, P.C.Gupta	International Journal of Computer Application	2012	44		14-17
31.	A New and Effective Approach for Fingerprint Recognition by Using Feed Forward Back Propagation Neural Network	Jyoti Rajharia, P.C.Gupta	International Journal of Computer Application	2012	52		20-28
32.	Evaluation of Enterprise Resource Planning Life Cycle on the Scale of ERP Implementation Failure	P.C.Gupta, Anubhav Kumar	IJRIME	2012	2		61-68
33.	Study and Analysis of Web Content Mining Tools to Improve Techniques of Web Data Mining	Arvind Sharma, P.C.Gupta	International Journal of Advanced Research in Computer Engineering & Technology	2012	1		287-293
34.	Analysis of Web Server Log Files to Increase the Effectiveness of the Website Using Web Mining Tool	Arvind Sharma,P.C.Gupta	International Journal of Advanced Computer and Mathematical Sciences	2012	3		
35.	Performance Evaluation of CPU for Regression Techniques Using Data Mining Tool-Weka	Arvind Sharma, P.C.Gupta	International Journal of Management, IT and Engineering	2013	3		382-396
36.	Face Recognition by Using Feed Forward Back Propagation Neural Network	Jyoti Rajharia, P.C.Gupta	International Journal of Electronics & Communication Technology	2012	3		378-383
37.	Identifying the Number of Visitors to Improve Website Usability from Educational Institution Web Log Data	Arvind Sharma, P.C.Gupta	International Journal of Computer Applications Technology and Research	2013	2		22-26
38.	Comparative Analysis of Facial and Fingerprint Biometric Identification Systems through Soft Computing Techniques	Jyoti Rajharia, P.C.Gupta	International Journal of Computer Science and Technology	2013	4		46-49
39.	Software Quality Modelling Using Bayesian Networks	Swati Agrawal, P.C.Gupta	IOSR-JCE	2013	8		52-62
40.	Enhancing the Performance of the Website through Web	Arvind Sharma,	International Journal of	2012	3		478-485

S. No.	Title of the paper	Authors	Name of the Journal	Year	Vol.	Issue	Page
	Log Analysis and Improvement	P.C.Gupta	Computer Science & Technology				
41.	E-KMS: A KM Tool for Educational ERP System	Anubhav Kumar, P.C.Gupta	Procedia-Social and Behavioral Sciences: International Congress on Interdisciplinary Business and Social Sciences 2012 (ICIBSoS 2012)	2012	65		682-687
42.	Clones: A Survey	Sonam Gupta, P.C.Gupta	International Journal of Computer Science & Technology	2012	3		154-157
43.	Survey of Threats to the Biometric Authentication Systems & Solutions	Sarika Khandelwal, P.C.Gupta	International Journal of Computer Application	2013	61		39-43
44.	Literature Survey of Clone Detection Techniques	Sonam Gupta, P.C.Gupta	International Journal of Computer Application	2014	99		41-44
45.	Algorithm to Detect Non-Contiguous Clones with High Precision	Sonam Gupta, P.C.Gupta	International Journal of Innovation in Engineering and Technology	2015	5		215-219
46.	Multitier Biometric Template Security Using Cryptographic Salts and Personal Image Identification	Sarika Khandelwal, P.C.Gupta	Elcevia (Spain)	2015	1		
47.	Implementation of Secure Biometric Fuzzy Vault Using Personal Image Identification	Sarika Khandelwal, P.C.Gupta	Advances in Intelligent Systems and Computing	2015	337		311-319
48.	A Novel Framework to Detect Non-Contiguous Clones	Sonam Gupta, P.C.Gupta	International Journal of Software and Web Sciences	2014	7		38-41
49.	Clone chunk Algorithm for Non-Contiguous Clone Detection	Sonam Gupta, P.C.Gupta, Ripu Ranjan Sinha	International Journal of Innovative Research in Computer and Communication Engineering	2016	4		2131-2136

S. No.	Title of the paper	Authors	Name of the Journal	Year	Vol.	Issue	Page
50.	Re-viewing Human-Machine Interaction through Speech Recognition approaches and Analyzing an approach for Designing an Efficient System	Krishan Kant Lavania, Shachi Sharma and Krishna Kumar Sharma	International Journal	2012	38	3	26-32
51.	Analyzing the effect of Plyout Buffer Adjustment on Voice Quality for VOIP based social Network	O.P.Rishi, Neha Tiwari	UACEE International Journal of Advances in Computer Networks and its Security,	2012	2	1	105-108
52.	An Interdependence Relation to Support Case-based Reasoning Solution for an Industrial Application	Rishi, O.P., Sharma, M., Prakash, R	International Journal of Computer Applications	2013	61	11	1-3
53.	Mobile Number Portability using Cloud computing and Service Oriented Architecture as Base	Jagriti Mishra, Apeksha Bhardwaj & O.P.Rishi	Journal of Engineering, Science & Management Education	2012	5	2	408-411
54.	VoIP Security Issues: The Grey Shades of Internet Telephony	Neha Tiwari , O.P.Rishi	éclat : International Journal of Computational Science, Engineering & Technology	2013	I	I	18-22
55.	An Interdependence Relation to support Case Based Reasoning for Industrial Application	Madhu Sharma, Ram Prakash & O.P.Rishi	International Journal of Computer Application	2013	61	11	1-3
56.	A Review on Machine Learning Concepts for Prediction Based Application	Neelam Chaplot, Praveen Dhyani' O.P.Rishi	éclat: International Journal of Computational Science, Engineering & Technology	2013	1	2	12-18
57.	An Agent Based Distributed Intelligent Tutoring System using Case Based Reasoning	Shweta , Praveen Dhyani, O.P.Rishi	éclat: International Journal of Computational Science, Engineering & Technology	2013	1	2	1-11

S. No.	Title of the paper	Authors	Name of the Journal	Year	Vol.	Issue	Page
58.	A GA-Tabu Based User Centric Approach for Discovering Optimal Qos Composition	Vivek Gaur; Praveen Dhyani & Rishi, O. P	International Journal of Modern Education & Computer Science	2015	7	2	56-62
59.	A Multi-Objective Optimization of Cloud Based SLA-Violation Prediction and Adaptation	Vivek Gaur; Praveen Dhyani & Rishi, O. P	I.J. Information Technology and Computer Science	2016	1	8	60-65
60.	Astrology and Artificial Intelligence	O.P.Rishi & Neelam Chaplot	Technikon Half Yearly Journal	2015	15	-	17-18

**❖ Published in Conference Proceedings : 25**

S. No.	Title of the paper	Authors	Name of the Proceeding	Vol.	Page No.	Year
1.	Optimization of Clustering in SPIN and LEACH for Data Centric Wireless Sensor Network	Ashutosh Tripathi, Reena Dadhich,	Proceedings of Fourth International Conference on Soft Computing for Problem Solving	335	197-205	2013
2.	Vague Oriented Highest Response Ratio Next (VHRRN) scheduling algorithm”	Raheja Supriya, Dadhich, Reena, Rajpal Smita	IEEE International Conference on Fuzzy Systems (FUZZ), Published in IEEE Explore		1098-7584	2013
3.	Vague Oriented Highest Response Ratio Next Scheduling Algorithm	RDSR S. Raheja	IEEE-International Conference on Fuzzy Systems (IEEE-Fuzz2013)		1-7	2013
4.	Text Compression Algorithms with clusters for Wireless	Reena Dadhich, Ashutosh Tripathi	Proc. International Conference on Advances in Engineering and Technology ICAET 2014			May. 24-25, 2014
5.	Denial of Service attack resistance in IEEE 802.11 with puzzle approach	R Dadhich, G Narang, D.M.Yadav, Londhe	Proc. Of IEEE Conference I2CT			April 6 <sup>th</sup> – 8 <sup>th</sup> , 2014
6.	Selection of Node Density with Cluster in SPIN for Data Centric Wireless Sensor	Ashutosh Tripathi, Reena Dadhich	Proc. of IEEE Inter. Conference on Technologies for Sustainable Development, Feb. 2015			Feb. 14-15, 2015

S. No.	Title of the paper	Authors	Name of the Proceeding	Vol.	Page No.	Year
7.	An Evaluation of the CK Suite of Object-Oriented Software Metrics	N Kumar, R Dadhich, A Shastri	Proceedings of the 2014 Fourth International Conference on Advanced			Feb-14
8.	Secure-SPIN with Cluster for Data Centric Wireless Sensor Networks	A Tripathi, N Yadav, R Dadhich	Advanced Computing & Communication Technologies (ACCT)		347-351	2015
9.	Optimization of Clustering in SPIN-C and LEACH for Data Centric Wireless Sensor Networks	A Tripathi, N Yadav, R Dadhich	Proceedings of Fourth International Conference on Soft Computing for Problem		197-198	2015
10.	Fuzzy Based Multilevel Feedback Queue Scheduler	S Raheja, R Dadhich, S Rajpal	Proceedings of 3rd International Conference on Advanced Computing		373-380	3-Sep-15
11.	Efficient clustering for data centric wireless sensor networks	A Tripathi, N Yadav, RP Singh, R Dadhich	Computing for Sustainable Global Development (INDIACom)		572 - 576	2015
12.	Study of Risk Assessment Models Corresponding to Risk Elements	Om Prakash Rishi et.al	Comparative”, IE EE-International Conference On Advances In Engineering, Science And Management			Mar 30-31, 2012
13.	A Robust Approach to Prevent Software Piracy	O.P. Rishi , Rajkiran Meena, Ajay Nehra, Deepak Sohu	IEEE International Conference on Advances in Engineering, Science and Management			Mar 16-18, 2012
14.	Comparative Study of Risk Assessment Models Corresponding to Risk Elements	Y Bazaz, S Gupta, Om Prakash Rishi, LalitSen Sharma	IEEE-International Conference On Advances In Engineering, Science And Management			Mar 30-31, 2012
15.	An effective algorithm model for a soft PIN system	Rishi, O.P., Sharma, M.;Prakash, R. ; Mishra, D.K	Sixth International Conference on software Engineering (C ONSEG)		1-3	Sep 5-7, 2012

S. No.	Title of the paper	Authors	Name of the Proceeding	Vol.	Page No.	Year
16.	Role of Information Technology in quality of life of the Indian Girl & women	O.P.Rishi	National Seminar on Socio-Legal Issues and Challenges of female Foeticide and Infanticide in India		147	Oct 4-5, 2013
17.	An Empirical Study on digital Marketing in Rajasthan, Tourism Development	Anukrati Sharma & O.P.Rishi	Proceedings of the 9 <sup>th</sup> Biyani International Conference(BICO N-14)		107-112	2014
18.	Tourism: A new Mantra for Increasing the Living Standard of Villagers of Rajasthan	Anukrati Sharma & O.P.Rishi	Proceedings of the 9 <sup>th</sup> Biyani International Conference(BICO N-14)		77-83	2014
19.	Gender Discrimination and Harassment in Indian Education with Special Reference of Universities	Anukrati Sharma & O.P.Rishi	Proceedings of the 9 <sup>th</sup> Biyani International Conference(BICO N-14)		113-125	2014
20.	CBR based Intelligent System for E- Learning	O.P.Rishi	Proceedings of the 9 <sup>th</sup> Biyani International Conference(BICO N-14)		30-31	2014
21.	Data Engineering	O.P.Rishi	National Conference on Future Directions in Multidisciplinary Prospectives of Computer Science and Information Technology: Scope and Challenges			Jan 30-31, 2015
22.	Magic to Figur out User Choices- The Like	Reshu Goyal, O.P.Rishi et al	Preceedings of National in National Conference on Future Directions in Multidisciplinary Prospectives of Computer Science and Information Technology: Scope and Challenges			Jan 30-31, 2015

S. No.	Title of the paper	Authors	Name of the Proceeding	Vol.	Page No.	Year
23.	Education Simplified-Social Computing a Choice	Reshu Goyal, O.P.Rishi et al	National Conference on Future Directions in Multidisciplinary Perspectives of Computer Science and Information Technology: Scope and Challenges			Jan 30-31, 2015
24.	Astrological Predication for profession using classification techniques of AI	O.P.Rishi et.al.	proceeding of International Conference on Communication & Automation (ICCCA)		233-236	May 15-16, 2015
25.	Like-A Unique way to Judge user Prefence in Social Networking Sites	O.P.Rishi, Reshu Goyal, et al	Proceeding in Fift International Conference on Communication System and Networking Technologies		1056-1059	2015

#### ❖ Chapters in Books

: 11

S. No.	Title of the Book/Chapter	Authors	Name of the publisher	Edition	Page	Year
1.	Computer Networking	Dadhich Reena	VMOU, Kota	(Chapters 1-3) authored and editing of full book		2012
2.	Software Engineering	Reena Dadhich	VMOU, Kota	Edited full book		2012
3.	Study Material on DBMS	P.C.Gupta	Bundelkhand University, Jhansi	First	....	2005
4.	Language Adaptive Methodology for Handwritten Text Line Segmentation	Neeta Jain, P.C.Gupta	Springer	8047/978-3642-40261-6	344-351	2013
5.	HMM Based Enhanced Dynamic Time Warping Model for Efficient Hindi Language Speech Recognition System	Sharma KK, Lavania KK, Sharma Shachi	Springer Berlin Heidelberg	Volume 296	200-206	2013

6.	Distributed Architecture of CBR based Intelligent Tutoring System	O.P. Rishi	LAMBERT Academic Publishing, Germany			
7.	Maximizing Business Performance and Efficiency through Intelligent Systems	O.P. Rishi	IGI Global USA			Under Pub.
8.	Emerging Trends and Technologies in Advertisement Management in 21 Centure	O.P. Rishi	Archers & Elevators Publishing House			
9.	Agent-Based Distributed Intelligent Tutoring System Using Case-Based Reasoning	Shweta , Praveen Dhyani, O.P.Rishi	Artificial Intelligence Applications in Distance Education		211-236	2014
10.	Software Testing- Software Engineering	O.P. Rishi	Vardhaman Mahaveer Open University Course Book		67-68	2012
11.	A Strategics and Information Technology in Rajasthan Wild life Tourism	Anukrati Sharma & O.P.Rishi	Innovative Quest in Management and Zest in Information Technology for the Modern Era		24-30	

**❖ Books Edited**

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S. No.	Faculty	Title	Category (Nal / Intl)	Year	ISBN/ ISSN
1	Prof. Reena Dadhich	Fundamental of Computer Network	National	2012	978-81-8496-384-7
		Software Engineering	National	2012	978-85-8496-312-0

**❖ Citation Index – range / average:**

S. No.	Faculty	Citation Index	SNIP	SJR	Range of Impact Factor of all journals	h-index
1	Prof Reena Dadhich	55	--	--	0.814 to 1.890	3
2	Dr O P Rishi	--	--	--	--	--
3	Dr. P C Gupta	88	--	--	--	6
4	Mr. K K Sharma	12	--	--	--	2

**23. Details of patents and income generated : Nil**

**24. Areas of consultancy and income generated : Nil**

**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil**

**26. Faculty serving in:**

S. No.	Faculty	National Society / Committees	Editorial Boards	Any Others
1	Prof Reena Dadhich	<ul style="list-style-type: none"> <li>Life Member, Computer Society of India</li> <li>Life Member, ISTE</li> </ul>	<ul style="list-style-type: none"> <li>International Journal of wireless and mobile networks</li> <li>International Journal of Computer Application</li> </ul>	<ul style="list-style-type: none"> <li>Member of various technical and advisory board member in national/ international Seminar/ Conferences</li> </ul>
2	Dr O P Rishi	--	<ul style="list-style-type: none"> <li>éclat: International Journal of Computational Science, Engineering &amp; Technology</li> <li>éclat: International Journal of Business &amp; Management</li> <li>Scientific Journals International (Computer Science, Computer Engineering, BCIS, MIS)</li> <li>Journal of Computer Science, Informatics and Electrical Engineering</li> <li>Journal of Engineering, Computing &amp; Architecture</li> <li>International Journal of Academic Research</li> <li>International Journal of Computational Intelligence Techniques</li> </ul>	<ul style="list-style-type: none"> <li>Member of various technical and advisory board member in national/ international Seminar/ Conferences</li> </ul>
3	Dr. P C Gupta	--	--	<ul style="list-style-type: none"> <li>Member of various technical and advisory board member in national/ international Seminar/ Conferences</li> </ul>
4	Mr. K K Sharma	--	<ul style="list-style-type: none"> <li>Editorial Board member of IJECCT</li> </ul>	<ul style="list-style-type: none"> <li>Member of various technical and advisory board member in national/ international Seminar/ Conferences</li> </ul>

**27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs & similar programs):**

S. No	Recharging strategies	Duration	Organized by	Faculty
1	FDP	04-14 June, 2012	Deptt. of CSE, SBCET, Jaipur, Sponsored by AICTE	Prof. Reena Dadhich
2	Orientation Program	15 Feb. to 12 March, 2016	93rd Orientation Programme of UGC-HRDC, Jodhpur at University of Kota	Mr. K. K. Sharma

**28. Student projects:**

- percentage of students who have done in-house projects including inter-departmental projects : **100**  
(In each Semester students are allotted a project in each subject to complete practical subject requirement and a Minor Project is also part of curriculum in MCA 4<sup>th</sup> & 5<sup>th</sup> Semester)
- percentage of students doing projects in collaboration with other universities / industry / institute : **100**  
(Every 6<sup>th</sup> Semester students need to complete industry training during 6<sup>th</sup> Semester to complete End Semester Project)

**29. Awards / recognitions received at the national and international level: Nil**

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**

S. No.	Name of the Conference / Seminar / Workshop	Date	Details of Outstanding Resource Persons / Participants
1	Two days workshop on "Software testing tools & Testing"	26-04-2013 to 27-04-2013	Ajay Garg, Scientist-F, NPCIL, Kota; Arvind Sharma, Asstt. Professor, DCSI University of Kota; Bhawana Maurya, Asstt Professor, Govt. Women Girls Eng College, Ajmer; Bikash Kumar, Scientist-D, NPCIL, Kota; Chandni Joshi, Asstt. Professor, Banasthali University; Rakesh Kumar Sharma, Scientist-D, NPCIL, Kota; Vijendra Singh, Asst Professor, Amity University
2	One day workshop on Personality	23-10-2013	Exclusively for MCA students

	Development & Interpersonal Skill and Pre-placement Assessment		
3	4 days' workshop held on IBM Lotus Domino & Notes	27-01-2014 to 30-01-2014	Exclusively for MCA students
4	Two-day National Workshop on "Global Internet Governance – Opportunities & Challenges"	11-04-2014 to 12-04-2014	Narendra Jain, Senior Lecture, Govt. Polytechnic College, Kota; Rajesh Dadhich, Senior Lecture, Govt. Polytechnic College, Kota; Neha Gupta, Asstt. Professor, MIMT Kota; Rahul Gupta, Asstt. Professor, OKIMR, Kota
5	National School On Recent Computational Trends And Techniques In Computer Science	08-10-2014 to 15-10-2014	Sanjay Anand, CURAJ, Ajmer; Narendra Jain, Senior Lecture, Govt. Polytechnic College, Kota; Rajesh Dadhich, Senior Lecture, Govt. Polytechnic College, Kota; Kavita Sharma, Senior Lecture, Govt. Polytech College, Kota

- 31. Code of ethics for research followed by the departments:**  
Code of ethics for research is followed in the the department.

**32. Student profile programme-wise (last 5 years):**

Name of the Programme	Applications received	Class Room Strengths as allotted / Selected		Pass percentage	
		Male	Female	Male	Female
MCA	Students are selected through RMCAAT state level examinations and class room strength information is given	178	67	90.00	85.00
PhD	149	22	14	pursuing research work	

**33. Diversity of students:**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MCA (PG)	33	59	8	0
Ph.D.	0	86	14	0

- 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:**

Category of Examinations	No of Students cleared examinations
Defence & Police	2
<i>NOTE: MCA course is designed for serving in IT at research level and service level so, most of the students are working for IT in various Govt/Private IT sectors.</i>	

- 35. Student progression:**

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruit.	40-45 % students get selected through campus selection 100%, All final Semester students got placed in various IT comp.and Govt. Organization during industrial training
Entrepreneurs	10-15 % students are working on their ideas also besides lucrative job offers.

- 36. Diversity of staff:**

Percentage of faculty who are graduates	
of the same university	0%
from other universities within the State	25%
from universities from other States	75%
from universities outside the country	0%

- 37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil**

- 38. Present details of departmental infrastructural facilities with regard to**

- a. Library: Departmental Library and Central Library
- b. Internet facilities for staff and students:  
1 GB LAN Connectivity and WI-FI
- c. Total number of class rooms facility : 03
- d. Students' laboratories : 02
- e. Research laboratories : 01

**39. List of doctoral, post-doctoral students and Research Associates:**

S. No.	Name of Candidate	Topic	Supervisor
1	Manish Mishra	Fuzzy Logic Based Quantification of Software Quality Factors for Mobile Applications	Prof. Reena Dadhich
2	Anita Khatri	Enriching Cloud Service Discovery Using Adaptive Ontology	Dr. O.P. Rishi
3	Dheeraj Malhotra	“A Novel Approach to Design for Next Generation Adaptive Search System for Analytics in the Big Data Engineering Environment”	Dr. O.P. Rishi
4	Mahesh Kumar Singh	Study of Recommended Systems and Implementation of a User Navigation Based Recommendation System for e-Business through various techniques of Web Mining	Dr. O.P. Rishi
5	Rahul Gupta	Optimizing the Spectrum Utilization in Wireless Networks Through Neural Network Techniques	Dr. P.C. Gupta
6	Rajesh Chand Dadhich	Study and Predicting the Requirements of Electric Load in Rajasthan Region and Suggesting Measures for Optimum use of Energy Through Soft Computing Techniques	Dr. P.C. Gupta
7	Nidhi Gera	Candidate Synopsis not Submit	Dr. P.C. Gupta

**40. Number of post graduate students getting financial assistance from the university : Nil.**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

Department of CSI, UOK, Kota started a PhD program in Computer Science in the state as first state government university in the view of promotion of quality research of computer science in the Rajasthan.

**42. Does the department obtain feedback from:**

**i. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes. The feedback from faculty members of department and affiliated colleges is invited during COC faculty meetings, which is used for revision of syllabi for the courses offered by the department.

**ii. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

The Department is taking feedback from the students for curriculum and teaching-learning process.

**iii. alumni and employers on the programmes offered and how does the department utilize the feedback?**

The department is also inviting the alumni and interacts with them on the programme offered.

**43. List the distinguished alumni of the department (Maximum 10):**

S.No.	Name of alumni	Designation	Organization
1	Mahendra Pal Singh	Probationary Officer	State Bank of India
2	Chandra Singh	Probationary Officer	Bank of Baroda
3	Atul Dadhich	Developer	Accenture
4	Deepika Soni	Software Engineer	Wipro
5	Yashwanti Sharma	Branch Manager	Govt Bank
6	Rahul Kumar	Computer Teacher	Navodya Vidyalaya
7	Amit Kundu	CRPF	CRPF, Govt. of India
8	Govind Singh Gurjar	Head Constable	Rajasthan Government
9	Hari Om	Information Assistant	DOIT, Govt. of Rajasthan
10	Aditya Rajput	Software Engineer	B24 e solutions, Jaipur

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**

Speaker	Date	Topic
Prof. M C Govil, Professor, MNIT, Jaipur	15-01-2013	Real Time system
Prof. P. K. Kapoor, Dean Academics, Amity University Noida	26-04-2013	Software Reliability Assessment during Testing
Prof. V.S.R.Krishnaiah, technical director NIC Delhi	26-04-2013	“SEI-CMMI & Testing Process Areas”
Mr. Adnan, IBM Rational Trainer	26-04-2013	“Introduction to Software Testing”
Mr. Sunny Narang, IBM Rational Trainer	27-04-2013	Recording Script, Planning Back Script, Viewing Result, Using Test object maps
Mr. Sunny Narang, IBM Rational Trainer	27-04-2013	“Data Driver Testing”
Dr. P. M. Bhardwas	23-10-2013	Knowledge and Intellect Management
Prof. K.D. Sharma	23-10-2013	Understanding Non-Verbal Communication within Cultural Diversity
Dr. Vijay Vyas	23-10-2013	Unlock your Inherent Potential
Mr. Arvind Thanvi	23-10-2013	Communication Skills Vs. Communication Style

Speaker	Date	Topic
Mr. Adnan, IBM Rational Trainer	27-01-2014	basics of IBM Domino & Notes by understanding the need and importance of communication through software
Mr. Adnan, IBM Rational Trainer	28-01-2014	architecture of IBM Domino (Server) & IBM Notes (Client)
Mr. Adnan, IBM Rational Trainer	29-01-2014	A pmkractical exposure of IBM Domino infrastructure
Mr. Adnan, IBM Rational Trainer	30-01-2014	clients and server administrators for managing the IBM Domino infrastructure and Managed user accounts, security etc
Prof. P.K. Dashora, Member of RPSC	11-04-2014	The Importance of internet in the era of Globalization
Dr. Govind C.E.O of NIXI, New delhi	11-04-2014	Indian Facts about Internet - Governance
Prof. Namrata Agarwal, Prof. & Course - Director, National Institute of Financial Management, Faridabad, Haryana	11-04-2014	“Security Issues in Internet – Governance”
Prof. Rajkamal Formal VC, Devi Ahilya Viswavidyalaya, Indore	11-04-2014	“Opportunities & Challenges for mobile e-governance”
Prof. M.S. Gaur, MNIT, Jaipur	12-04-2014	features of Smart phone & other android
Prof. Anoop Girdhar	12-04-2014	aspects of Cyber Security, virtualization, parallel computing
Dr. Harish Karnick(IIT, Kanpur)	08-10-2014	Deep Learning Nets: a promising approach to Learning
Prof. Meenakshi D’Souza(IIIT, Bangalore)	08-10-2014	Graph in Software Testing
Prof. Deepak D’Souza(IISc, Bangalore)	08-10-2014	Program Verification using Hoare Logic
Prof. Deepa Sinha (SAU, Delhi)	08-10-2014	Algorithmic Characterization of some graph Structures and their Application
Prof. Deepa Sinha (SAU, Delhi)	09-10-2014	Algorithmic Characterization of some graph Structures and their Application
Prof. Sumeet Gill(MDU, Rohtak)	09-10-2014	Automation Navigation and Biometrics
Prof. Pawan Chakraborty (IIIT, Alld)	10-10-2014	Automation Navigation and Biometrics
Prof. Rajkamal (Medicaps, Indore)	10-10-2014	Client Cloud Computing

Speaker	Date	Topic
Prof. Pawan Chakraborty (IIT, Alld)	11-10-2014	Automation Navigation and Biometrics
Prof. Rajkamal (Medicaps, Indore)	11-10-2014	Client Cloud Computing
Prof. Ravi Gorthi(LMNIT, Jaipur)	11-10-2014	Recent Technologies in CS
Prof. Virender Singh(IIT, Powai)	11-10-2014	Trends in High Performance Computing
Prof. Ramesh Poonia(Amity Uni.)	13-10-2014	Recent Trends in area of NS-2
Prof. Ramesh Poonia(Amity Uni.)	14-10-2014	Recent Trends in area of NS-2
Prof. Sanjay Dwidevi(C.U., Lucknow)	14-10-2014	Information Retrieval
Prof. M.P. Singh(Dr. B.R.A. Uni.)	14-10-2014	Neural Network Implementation with Matlab
Prof. Rekha Choudhry (G.E.C, Bharatpur)	14-10-2014	Optimization Techniques
Sh. Ghanshyam Purswani(TCS, Noida)	15-10-2014	Information Security and Risk Management
Prof. K. R. Pardasani(NIT, Bhopal)	15-10-2014	Soft Computing Challenges in Bioinformatics
Prof. Neeru Adlakha	15-10-2014	Soft and Fuzzy Set Based Models For mining Association Patterns
Prof. P. M. Bhardwaj	15-10-2014	Soft Skills Development
Sh. G.L. Garg	15-10-2014	Soft Skill Development

**45. List the teaching methods adopted by the faculty for different programmes:**

- Chalk (Marker) and duster
- Multimedia presentations
- Conducting Tutorials
- Encouraging meaningful classroom interaction with the students
- Providing other learning materials to the students to enhance their knowledge
- Students are also encouraged to learn online study materials from top class university of world like MIT, Stanford, etc.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Department conducts tests of the students in the regular interval
- Implements the new technologies on the basis of the current requirement

- Evaluates the skill and knowledge of the students by inviting the industry personal.
- 47. Highlight the participation of students and faculty in extension activities:**
- Students and faculty have conducted a computer literacy program in the Dungarjya Village under the “smart village” project of the Rajasthan Govt.
  - Non-teaching employees of the university have given a computer training which was conducted by the students and faculties of the department.
  - Students have developed a package for research section with the support of faculties.
  - The University of Kota has NSS and DSW cells.
  - The students and faculty of the Department are actively participated in the activities like tree plantation and blood donation camp etc. organised by the cells.
  - The DSW cell and Students’ Union of the University jointly organize sports and cultural week every year and the students and faculty members of the departments actively participate in the events.
- 48. Give details of “beyond syllabus scholarly activities” of the department:**
- Department conducts various programmes like debates, quizzes, etc.
  - Each year TECH-PLANET, a program of students is organized in which competition of s/w development and cultural programmes are organized.
- 49. State whether the programme/department is accredited/ graded by other agencies? If yes, give details** : Nil
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**
- Involved in the emerging and multidisciplinary research areas like wireless networks, cloud computing, bioinformatics, soft computing etc.
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**
- **Strength:**
    - Technical Department
    - Strengths of student is very good.

- Sufficient time to MCA student for enhancing skills. (3 years course)
  - Inter disciplinary research: High quality faculty have been expertise in the broad range of modern computer science field like neural networks, fuzzy logic, wireless networks, sensor networks, cloud computing etc.
  - Good computing environment
  - Regular classes and quality class-room teaching.
  - Qualified and well-known faculty members.
  - Wi-Fi enabled Department
  - Department Library developed with the efforts of faculty members.
  - Continuous evaluation of students through quizzes, practical tests, Viva, etc.
  - Students participated organized various cultural / curriculum activities at university level/ higher level.
  - Department conducted activities as per academic calendar prepared by department in accordance with university academic calendar.
  - In MCA students got admission through state level examination RMCAAT that give diversity in class.
  - Department organized various technical programmes for exposure to research students and MCA students.
  - Student feedback analysis is used for improvement in all processes.
  - Excellent placement of students through campus & off-campus placement.
- **Weaknesses:**
    - Not sufficient faculty members as per requirements.
    - No regular technical / supporting staffs appointed.
    - No UPS facility in all CSI labs.
    - On-line and Off-line journals are less in numbers.
    - Acute scarcity of space, department requires a permanent building with all infra-structure facilities.
    - Lots of administrative assignments for faculty members.
    - Maintenance facilities for labs require improvement.
    - Funds regarding R&D activities are not released well in time from different funding agencies.
- **Opportunities:**
    - IT industry is growing and there is requirement of trained IT professionals. So there is scope for MCA students.
    - Education and research sector also having demand of P.G. students.

- If the financial support is provided to the students then they can have exposure towards advanced technical trainings like Hacking, wireless application programming, etc.
  - Opportunities to find research grants from industries & Govt. agencies.
  - If the financial support is provided to the faculties then they can have exposure by attending National/International events, it will be advantageous in their research activities also.
  - Opportunities to team up with other universities.
- **Challenges:**
    - Low salary package during 2 years probation appeared as the reason due to which the department has beard the loss of 02 Assistant professors in 2012.
    - Lack of partnership between industries and the institution.
    - Due to various constraints like finance, advanced infrastructure in Labs, etc. we are unable to develop the advanced technical skills in the students.

**52. Future plans of the department:**

By looking at the current need the new courses in the specialized fields of computers have been proposed to start from the coming session:

**A. M. Tech. Course**

**Duration** : 02 years (4 semesters)  
**Intake** : 20 students

***Objectives & Requirements of M. Tech Course***

M.Tech is an employment oriented programme which will run in collaboration with industries and is expected to provide opportunity to learn from industries and work with them. The students of this region will get the benefit to go for the higher education and grab a good job.

**B. Certificate Courses**

**Duration** : 02 - 06 months  
**Intake** : 80 Students

The Department of Computer Science and Informatics is also planning to offer graduate certificates in a variety of cutting-edge topics, providing intensive training in specific industry areas, emerging technologies, and the latest technological developments. These courses will run during off hours of University schedule i.e. in the morning/evening time because 10:00 am. – 5:00 pm. the classes of regular courses will take place.

1. Cloud Computing

2. Big Data Analysis
3. Cyber Crimes, Cyber Security and Cyber Laws

**Objectives of Certificate Courses**

These programmes are ideal for those on a fast track to improve their knowledge and skills in the specific fields of computer with dedicated and highly qualified faculty members. The Students will be trained to face new and unexpected situations in which computer are required. They will be able to evaluate diverse facts, perceptions and ideas. Focusing on the interface with industry for enhancement of skills through live projects and case studies, students are encouraged to interact with industry leaders and our own alumni, who now hold senior positions in business, academia or industry. This mutual interaction is of immense value to our scholars and helps them to enhance their managerial and computational skills. Active participation in the academic process by students, coupled with diverse teaching methodology helps them become outstanding leaders in business academia and industry.

## **Evaluative Report of the Department** **(from April 2012 to March 2016)**

1. **Name of the Department:**  
Department of Life Science
2. **Year of establishment:**  
2008
3. **Is the Department part of a School/Faculty of the university?**  
Yes, Faculty of Science
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., D.Sc., D.Litt., etc.)**

Level	Title of programmes	Subject / Discipline
UG	--	--
PG	M. Sc.	Life science
M.Phil.	--	--
Ph.D.	Ph.D.	All branches of life science
5. **Interdisciplinary programmes and departments involved:**  
Presently, M. Sc. Life Science course is interdisciplinary in nature as Zoology, Botany, Microbiology, Biotechnology, Genetics, Biochemistry, Bio-physics, Molecular Biology are included in it. Faculty trained in above subjects are involved in teaching Life Science.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**  
: None
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System: Annual / Semester / Trimester / Choice Based Credit System:** Semester and Choice Based Credit System.
9. **Participation of the department in the courses offered by other departments:**  
Yes, faculty members of the department involved in teaching some papers in the departments of Chemistry and Physics.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):**

Positions	Sanctioned	Filled	Actual (including CAS & MPS)
Professor / Asso. Prof. / Asstt. Professor	Nil	Nil	Nil
Others ( <b>Coordinator</b> )	01	01	01
Guest faculty	As per requirement	As per requirement	As per requirement

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

Name	Qualification	Designation	Specialization	No. of Yrs of Exp.	Ph.D./ M.Phil. students guided (last 4 yrs)
Dr. Prahlad Dube	M.Sc., Ph.D., PGDEE	Coordinator	Fish Biology	30 years	Ph.D.: 06 M.Phil: 11

**Guest Faculty Members:**

S. No.	Name	Qualification
1.	Dr. Neha Grover Dhawan	Ph. D.
2.	Dr. Jagdish Saini	Ph. D.
3.	Dr. Maridula Khandelwal	Ph. D.
4.	Dr. Shivali Kharoliwal	Ph. D.
5.	Dr. Radha Sharma	Ph. D.
6.	Mrs. Meenakshi Sharma	M. Sc., NET
7.	Mr. Satish K. Sharma	M. Sc. NET

**12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:**

Name	Institution	Qualifi.	Specialization
Prof. S. N. Pandey	MG University of Science and Technoly Xiro, Arunachal	Ph.D.	Ethics in Bioscience and Medical Science
Prof. R. P. Sharma	University of Jammu	Ph. D.	Global Climate Change
Prof. Jaymala	University of Rajasthan	Ph. D.	Radiation Biology

**13. Percentage of classes taken by temporary faculty – programme-wise information:**

PG	M.Sc. (Life Science)	100
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**14. Programme-wise Teacher Student Ratio : 1:2.57**

**15. Number of academic support staff (technical) and administrative**

staff: sanctioned, filled and actual : Nil

16. Research thrust areas as recognized by major funding agencies:  
None

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise : None

18. Inter-institutional collaborative projects and associated grants received:

(a) National collaboration : Nil  
(b) International collaboration : Nil

28. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

29. Research facility / centre with:

• state recognition : Nil  
• national recognition : Nil  
• international recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil

22. Publications:

❖ Published in peer reviewed journals : 09

S. No	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol	Issue	Page
1	Mathematical model for phytoplankton growth	Pancholi, Usha, Dube, Prahlad and Sharma, R. K.	International Journal of Global Science Research	2014	1	1 April	19-24
2	Modelling Phosphate Nutrient in a pond, Kota, Rajasthan.	Pancholi, Usha, Dube, Prahlad and Sharma, R. K.	Journal of Environment and Social Science Research	2014	3	1	45-48
3	Mortality data of reptilian fauna due to vehicular traffic in south eastern Rajasthan	Nagar P., S. M. Meena and Prahlad Dube.	Biosci. Biotech. Res. Comm	2013	6	2	196-198.
4	On the occurrence of common garden skink in Aravalli	Meena, S. M., P. Nagar and Prahlad Dube.	Biosci. Biotech. Res. Comm	2013	6	2	212-213

	foothills of Bundi, Rajasthan.						
5	A note on benthic fauna of Kishore Sagar reservoir, Kota, Rajasthan.	Sharma, Seema and Dube, Prahlad	BioSci. Biotech. Res. Comm.	2013	6	1	110-112
6	Quantitative LC-MS analysis of salicylic acid in crude extracts of cluster bean after infection with <i>Macrophomina phaseolina</i> .	Sharma, Anubhuti, Joshi, Neha, and Dube, Prahlad	BioSci. Biotech. Res. Comm.	2013	6	1	53-57.
7	Effects of thyroid stimulating hormone on the male reproductive system of Swiss albino mice.	Tyagi, Smriti, Sharma, Anubhuti and Dube, Prahlad	BioSci. Biotech. Res. Comm.	2013	6	1	95-101
8	A Mathematical model of a Lentic water body, Kota, Rajasthan.	Pancholi, Usha, Dube, Prahlad and Sharma, R. K	Bio-spectra	2013	8	3 spl issue	81-84
9	Mathematical modeling of nutrient quantity of a fresh water pond, Kota, Rajasthan.	Pancholi, Usha, Dube, Prahlad and Sharma, R. K	BioSci. Biotech. Res. Comm.	2013	6	1	116-118

❖ **Conference proceedings, citations and other related things:** Nil

- 23. Details of patents and income generated** : None
- 24. Areas of consultancy and income generated** : None
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** None
- 26. Faculty serving in National committees b) International committees c) Editorial Boards d) any other (please specify):**  
**Dr. Prahlad Dube:**
- Member, Subject Research Committee (SRC) in Zoology, Baba Saheb Ambedkar (Central) University, Lucknow (UP).
  - Associate Editor: National Journal of Life Sciences (ISSN: 0972-

995X).

- Associate Editor: Journal of Environment and Social Science Research. (ISSN : 2277-5226)
- Assistant Editor: Life Science Bulletin (ISSN : 0973-5453)
- Member Editorial Advisory Board: National Journal of Life Sciences (ISSN: 0972-995X).
- Member Editorial Advisory Board: Biospectrum (ISSN : 0973-7057)
- Member Editorial Board: International Journal of Environment and Earth Sciences (ISSN :0976-741X)
- Member Editorial Board: Life Science Bulletin (ISSN :0973-5453)
- Member Editorial Board: Bioscience and Biotechnology Research Communication (ISSN: 0974-6455).
- Member Editorial Board: International Journal of Global Science Research (ISSN: 2348-8344 (Online).

**27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**  
Nil

**28. Student projects:**

- percentage of students who have done in-house projects including inter-departmental projects :  
All the students of I sem. submitted students projects to DST Rajasthan but none was funded.
- percentage of students doing projects in collaboration with other universities / industry / institute : None

**29. Awards / recognitions received at the national and international level by**

- **Faculty**  
Dr. Prahlad Dube
- ❖ **Life Time Achievement Award – 2013** by Mr. Jai Ram Ramesh, the Hon'ble Cabinet Minister for Urban Development, Government of India, at Karnataka State Sericulture Research and Development Institute, Bangaluru, bestowed by MSET, International Consortium of Contemporary Biologists.
- ❖ **Eminent Scientist Gold Medal-2014**, by **Addl. Director, Higher Education MP** at Government P. G. (Autonomous) College, Satna (MP) and **conferred** by Society of Life Sciences, Satna, M.P.
- **Doctoral / post doctoral fellows** : None
- **Students:**  
Mr. Gaurav Sharma, M. Sc. L.Sc. I semester in National Conference in Khajuraho (MP) February, 2016

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any : None

31. Code of ethics for research followed by the departments : Yes

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M. Sc. Life Science	2012-13	36	05	08	--	--
	2013-14	30	09	06	--	--
	2014-15	20	03	08	95.00	96.00
	2015-16	20	06	07	100.00	100.00

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	--	--	--	--
PG	92.31	7.69	7.69	--
Ph.D.	--	--	--	--
Other	--	--	--	--

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

In all, 14 students of all batches together cleared NET/SET/SLET in Life Science.

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	Nil
Entrepreneurs	Nil

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	Nil

from other universities within the State	01
from universities from other States	Nil
from universities outside the country	Nil

**37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period** : None

**38. Present details of departmental infrastructural facilities with regard to**

- (a) Library : Nil  
 (b) Internet facilities for staff and students : Nil  
 (c) Total number of class rooms facility : 02  
 (d) Students' laboratories : 01  
 (e) Research laboratories : Nil

**39. List of doctoral, post-doctoral students and Research Associates**

- (a) from the host institution/university : Nil  
 (b) from other institutions/universities : Nil

**40. Number of post graduate students getting financial assistance from the university** : Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology** : Nil

**42. Does the department obtain feedback from:**

- i. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes  
 ii. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes  
 iii. alumni and employers on the programmes offered and how does the department utilize the feedback? Almost always

**43. List the distinguished alumni of the department (maximum 10):**  
 Nil

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**

Date	Resource Person	Topic
16 September, 2015	Prof. R P Sharma	1. Climate change and 2. Ozone layer depletion
09 October, 2105	Prof. S. N. Pandey	1. Ethics in Biomedical research
10 November, 2015	Ms. S Sharma	1. Recent Lab Tech for scientific research

01 December, 2015	Dr. S K Meena	1.Awareness about Aids
2 <sup>nd</sup> Wk of October, 2015 4 <sup>th</sup> Wk of November, 2015	Staff/students' presentation	Different topics from syllabus
Students attended three National Conferences at Bharatpur, Khajuraho and Neemuch	Various experts from India and abroad	Topics related to Env conservation; Economic biology and sustainable development
Educational tours:- 5. Keoladeo National Park, Bharatpur 6. Fatehpur Sikri 7. Panna Tiger Reserve, Panna 8. Alkaloid Factory, Neemuch	Dr. P. Dube and staff	Birds and their ecosystem, Monumental Heritage Tigers and other Wild animals and plants with their habitats. Procedures of Alkaloid production

**45. List the teaching methods adopted by the faculty for different programmes:**

The Departments includes following teaching methods:

- Classroom teaching using smart boards, black boards and projector.
- Seminar of students on recent development in the subject.
- Experts/extension lecture for the specific topics by the academicians.
- Learning through lab training, Field visits, Group discussions, open sessions and assignments etc.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The department takes care that regular classes are held along with various activities for enhancing the knowledge and personalities of the students.
- Seminar, presentations and discussions are regular feature.
- Further, department has course coordinator who monitor the classes, attendance of the students, and modern needs of the curriculum of the courses and ensures the objectives of the programmes.
- The students also have elected class representative for each class and the coordinator regularly interacts with the students to resolve their difficulties.

**47. Highlight the participation of students and faculty in extension activities:**

- The students and faculty of the Department are actively participated in the activities like tree plantation and blood donation camp etc. organised by the cells.
- The DSW cell and Students' Union of the University jointly

organize sports and cultural week every year and the students and faculty members actively participate in the events.

- Extension lectures from well known experts in the field of academics and industries are organized for supplementing the knowledge of the students and teachers.
- The Department has arranged field study visits and educational tours to enrich their classroom learning.

**48. Give details of “beyond syllabus scholarly activities” of the department:**

- The students participate in the activities as Quiz, slogan, debate and poster competition based on the syllabus related subject area.
- Visits to participate in workshops and conferences are organized every year.

**49. State whether the programme/department is accredited/ graded by other agencies? If yes, give details : No**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

- The department aims to develop technology and knowledge for welfare of the society.
- The research works are going on conservation of biodiversity and aquatic systems for society and its applications. Further research on these aspects will be taken.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**

- **Strength:**
  - The course running at the department have been designed as per the present day requirements such as NET/SET/SLET/GATE/BET and similar exams conducted by UGC and other institutions. The course content is of pure and applied Life Science emphasizing on meeting the requirements of syllabi of above exams.
  - Syllabus content is at par with the modern needs. The course contents are even more advanced than their mainstream course content in M. Sc. Biotechnology, Microbiology, Bioinformatics, Zoology and Botany.
  - Good strength of students.
  - Department has qualified and experienced guest faculty committed for regular classes and quality class-room teaching and patronage of retired faculty of Kota.
  - The course of the department is in semester system and hence

continuous evaluation of students is possible to undertake through internal tests, seminars and field trips, etc.

- **Weaknesses:**

- There are no regular faculty members.
- The class rooms are not in sufficient number.
- Labs need up gradation in terms of instruments other facilities.
- There are no regular technical laboratory / supporting staffs appointed.

- **Opportunities:**

- The University of Kota and the department can emerge as an important centre for learning, disseminating knowledge, research and consultancy for the Hadoti region of Rajasthan.
- It is a very young department with dedicated guest faculty and students who are working with enthusiasm.
- Employment opportunities in the field of teaching, research, entrepreneurship etc.
- Department can take a lead for development of society need based knowledge and technology.

- **Challenges:**

- The courses being run at the department are of unique nature and one of its kinds all over the Rajasthan state. In account of this these courses and the faculty members should keep pace with the latest changes taking place in order to maintain quality is a big challenge for department.
- Mainly the students are from Hadoti region with weak communication skills and influencing personalities. For this overall development of students is required at every level so that students may be placed in better organisations.
- Lack of adequate number of regular faculty members and non teaching/technical staff may affect the quality of the programmes.
- Lack of laboratory equipment and other facilities may affect quality of practicals.
- Lack of funds, finances and facilities at the department may affect the quality of the courses.

**52. Future plans of the department:**

- The object of the department is to develop the qualitative and quantitative reasoning skills of the students.
- To provide them a conducive environment for overall development in order to enhance their employability in various research and development organizations, industries, academic institutions within the country and abroad.
- The department aims to develop as a centre of excellence.

# **Evaluative Report of the Department**

## **(from April 2012 to March 2016)**

1. **Name of the Department:**  
Department of Wildlife Science
2. **Year of Establishment:** 2010
3. **Is the Department Part of a School / Faculty of the University?**  
Yes, Department of Wildlife Science is the part of Faculty of Science.
4. **Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters, Integrated Ph.D., D.Sc., D.Litt., etc.):**

Level	Name of the Programme	Discipline / Subject
PG	M.Sc.	Wildlife Science
5. **Interdisciplinary Programmes and Departments Involved:**  
Department of Wildlife Science is running M.Sc. Wildlife Science with some inter-disciplinary papers such as Remote Sensing & GIS, QGIS, Biostatistics, Environmental Impact Assessment, R Software, and Advance Social Science Research.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**  
The Department has not been running any course in collaboration with other universities, industries, foreign institutions. However, the Department is working collaboratively with Wildlife and Forest Division, Jaipur, Kota, Bundi, Baran, Jhalawar, Sawaimadhopur, Alwar, Udaipur, Pali, Jodhpur and Jaisalmer., NIRD Jaipur and Hyderabad, WWF- India, Turtle Survival Alliance, BNHS, SACON to complete assignments and writing Reports.
7. **Details of programmes discontinued, if any, with reasons:**  
No course has been discontinued in the Department of Wildlife Science.
8. **Examination System: Annual / Semester / Trimester / Choice Based Credit System:**  
The Department is running its courses under semester scheme of examinations with choice based credit system and continuous internal assessment pattern for M. Sc. Wildlife Science.
9. **Participation of the department in the courses offered by other departments:**

At present there is no participation in the course offered by other departments.

**10. Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Assistant Professors / others): NIL**

Name of Posts	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	--	--	--
Associate Professors	--	--	--
Assistant Professors	--	--	--
Others	--	--	--

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

Name	Qualification	Designation	Specialization	No. of Yrs of Exp.	No. of Ph. D. / M. Phil. Stud guided (last 4 Yrs.)
*Dr. Fatima Sultana	M.Sc., Ph.D.	Associate Professor	Zoology (Fish Biology, Wildlife Science, Environment)	29	02

\*Co-ordinator of the course

**12. List of Guest Faculty / Senior Visiting Fellows, adjunct faculty, Emeritus Professors : 17**

S. No.	Name	Qualification	Specialization	No. of Yrs of Exp.	No. of Ph. D. / M. Phil. Stud guided (last 4 Yrs.)
1.	Dr. Fatima Sultana	M.Sc., SET, Ph.D	Zoology, Wildlife Science, Environment Science, Life Science	29	02
2.	Dr. G.V. Reddy, IFS	M. Sc., Ph. D	Wildlife Science	26	Nil
3.	Dr. Satish Sharma, RFS	M. Sc., Ph. D	Botany	30	Nil
4.	Dr. Pratap Singh Kataria	M. Sc., Ph. D	Zoology	26	Nil
5.	Dr. Hemsingh Gehlot	M. Sc., Ph. D	Zoology	10	Nil
6.	Mrs. Sandhya Singh	M. Sc., M.Phil	Zoology	33	Nil
7.	Dr. Anita Sharma	M. Sc., Ph. D	Zoology	20	Nil
8.	Dr. Shiba	M.Sc., SET,	Zoology, Wildlife	10	Nil

	Khan	Ph.D	Science, Environment Science, Life Science		
9.	Dr. Subhadeep Bhatacharya	M. Sc., Ph. D	Wildlife Science	05	Nil
10.	Dr. Shivali Kharoliwal	M.Sc., NET, Ph.D	Botany, Life Science, Biotechnology, Environment Science,	13	Nil
11.	Mrs. Mridula Khandelwal	M.Sc., SET, Ph.D	Botany, Life Science, Biotech., Environment Science	15	Nil
12.	Mr. Jatin Pandya	M. Sc in GIS	GIS in U.S. and Internationally	20	Nil
13.	Ms. Sailja Nayak			10	Nil
14.	Dr. Poonam Sharma	M.Sc., Ph.D	Botany, Life Science, Biotech, Environment Science	2	Nil
15.	Dr. Nirmala H. Adwani	M.A. Ph.D	Social Science	35	10
16.	Dr. S.N. Shringi	BAMS	Ayurveda	30	Nil
17.	Dr. Akhilesh Pandey	B.V.Sc and A.H	Veterinary Science	10	Nil
18.	Ms. Alka Chaurasiya	M.Sc. SET	Botany, Life Science	5	Nil

**13. Percentage of classes taken by temporary faculty: programme-wise information**

Level	Name of the Programme	Discipline / Subject	Percentage
PG	M.Sc.	M. Sc. Wildlife Science	100%

**14. Programme-wise Teacher / Student Ratio:**

Level	Name of the Programme	Discipline/ Subject	Teacher Student Ratio
PG	M.Sc.	M. Sc. Wildlife Science	1:3.7

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:**

Name of Posts	Sanctioned	Filled	Actual
<b>Academic Support Staff</b>			
(i) Technical Assistant	Nil	Nil	Nil
(ii) Lab. Assistant	Nil	Nil	Nil
(iii) Store Keeper	Nil	Nil	Nil
(iv) Lab. Boys	Nil	Nil	Nil
<b>Administrative / Office Staff</b>			
(i) Section Officer	Nil	Nil	Nil
(ii) UDC	Nil	Nil	Nil
(iii) LDC	Nil	Nil	01*
(iv) Peon	Nil	Nil	01*
(v) Sweeper	Nil	Nil	Nil

\* Employed through placement agency.

**16. Research thrust areas as recognized by major funding agencies:**

S. No.	Name of Faculty	Research Thrust Areas / Specialization
1	Dr. Fatima Sultana	Zoology, Wildlife Science, Environment Science, Life Science
2	Dr. G.V. Reddy, IFS	Wildlife Science
3	Dr. Pratap Singh Kataria	Zoology
4	Mrs. Sandhya Singh	Zoology
5	Dr Anita Sharma	Zoology
6	Dr. Satish Sharma	Botany
7	Dr. Hemsingh Gehlot	Zoology
8	Dr. Subhadeep Bhattacharya	Wildlife Science
9	Dr. Shiba Khan	Zoology, Wildlife Science, Environment Science, Life Science
10	Dr. Shivali Kharoliwal	Botany, Life Science, Biotechnology, Environment Science,
11	Mrs. Mridula Khandelwal	Botany, Life Science, Biotechnology, Environment Science
12	Dr. Poonam Sharma	Botany, Life Science, Biotechnology, Environment Science
13	Mr. Jatin Pandya	Industry expert in Geographic Information Systems
14	Dr. Nirmala. H. Adwani	Social Science
15	Dr. S.N. Shringi	Ayurveda
16	Dr. Akhilesh Pandey	Veterinary Science
17	Ms. Alka Chaursiya	Botany, Life Science

**17. Number of faculty with ongoing projects from**

- (a) National : 01  
 (b) International funding agencies : 00

(c) Total grants received : 8.56 Lakhs

Details of the names of the funding agencies, project title and grants received project-wise:

S. No.	Name of Faculty Member	Name of Subject / Department	Title of the Project	Name of funding Agency	Amount Granted (in Lacs)	Amount Received (in Lacs)	Duration
11.	Dr. Fatima Sultana	Zoology	Ecology and Biodiversity of Sloth Bear inhabiting Darrah Sanctuary	UGC, New Delhi	8.56	8.56	2009-2012

**18. Inter-institutional collaborative projects and associated grants received:**

- (a) National collaboration : Nil  
 (b) International collaboration : Nil

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil**

**20. Research facility / centre with**

- a. State recognition  
 b. National recognition  
 c. International recognition : Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil**

**22. Publications:**

❖ Number of papers published in peer reviewed journals (national / international) : 10

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
1.	To assess the impact of Human disturbance on Gharials ( <i>Gavialis gangeticus</i> ) and Mugger ( <i>Crocodyles palustris</i> ) in National Chambal Sanctuary (NCS)	Sultana F., Khan S., Sasmal A., Harimohan Meena	Environ. Life Science	2012	11	9	25-49
2.	Vultures of Kota, Rajasthan	Sultana F	Zoo's Print	2012	27	9	4-5

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
3.	Assessment of Water quality and pollution status of Chandralohi River, Kota, Rajasthan	Sultana F., Khan S	International Journal Pharmacology & Biological Sciences	2012	2	6	79-92
4.	Study on Impact of Human Pressures on Feeding Ecology of Sloth Bears in Dry Deciduous Forest of Darrah Wildlife Sanctuary	Sultana F., Reddy. G. V., Khan. S., Sasmal Ayan	Wildlife Trust of India	2012			201
5.	Distribution and population abundance of sloth bears in relation to habitat characteristics in Darrah Wildlife Sanctuary	Sultana F., Khan S., Sasmal. A.	Environmental Sciences Journal	2012	11	9	129-147
6.	Food availability and feeding ecology of sloth bear (Melursus ursinus) in Darrah Wildlife Sanctuary, Kota, Rajasthan, India	Sultana F., Khan S	Tiger Paper	2013			
7.	A comparative study of the population density of Sympatric herbivores in Darrah Wildlife Sanctuary Kota, Rajasthan	Khan. S, Sultana F	Flora and Fauna, An International Research Journal of Biological Sciences	2014	20	2	257-61
8.	To estimate the population density of Ungulate by using Distance method in Darrah Wildlife Sanctuary Kota, Rajasthan	Khan. S, Sultana F	Tiger Paper	2014			
9.	Assessing patterns of human wildlife conflict ecology	Bhattacharjee S, Gupta L, Shah S,	Mammalia	2015			

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
	and perception of local communities towards conflict management in the semi-arid landscape of Western India.	Reddy G. V., Sultana F, Borah J					
10.	Occupancy and habitat use of Sloth bear ( <i>Melursus ursinus</i> ) in Mukundara Hills Tiger Reserve, Rajasthan, India.	Sultana F, Khan S, Nabi G	Flora and Fauna, An International Research Journal of Biological Sciences	2015	2	21	203-208

**❖ Published in International Conference proceedings: 04**

S. No.	Title of the Paper	Name of all Authors	Details of Proceedings	Year	Vol.	Issue	Page
1.	Study on Impact of Human pressures on feeding ecology of Sloth Bears in Dry Deciduous forests of Darrah Wildlife Sanctuary	Fatima Sultana, G. V. Reddy, Shiba Khan, Ayan Sasmal	21 <sup>st</sup> International Conference on Bear Research and Management, New Delhi	2012			201
2.	Occupancy and Habitat use of Sloth Bear in Mukundara Hills Tiger Reserve, Rajasthan, India	Sultana F., Khan S	23 <sup>rd</sup> International Conference on Bear Research and Management, Thessaloniki, Greece	2014			129
3.	Mukundara Hills Tiger Reserve: Sustainability of Re-Introducing Tiger	Nabi G., Sultana S., Khan S	Vth International Wildlife Management Congress, Sapporo, Japan	2015			51
4.	Biodiversity Assessment of Factors Affecting the Management of Wetland Riverine System of National Chambal Sanctuary in Rajasthan, India	Sultana F., Nabi G., Reddy G. V.	Vth International Wildlife Management Congress, Sapporo, Japan	2015			189

- ❖ **Monographs** : Nil
- ❖ **Books Published / Edited** : Nil
- ❖ **Books with ISBN with details of publishers** : **03**

S. No	Title of the Books	Name of Authors	Name of the Publisher	Year	ISBN
1	Animal diversity	A.L. Bhatia, P. K. Salodia, Anuradha Singh, Fatima Sultana	R. B. D. Publication, Jaipur, New Delhi	2012-13	81-8142-388-7
2	Cell Biology, Biochemistry & Microscopy	A.L. Bhatia, P. K. Salodia, Anuradha Singh, Fatima Sultana	R. B. D. Publication, Jaipur, New Delhi	2012-13	81-8142-388-7
3	Genetics & Biotechnology	A.L. Bhatia, P. K. Salodia, Anuradha Singh, Fatima Sultana	R. B. D. Publication, Jaipur, New Delhi	2012-13	81-8142-388-7

- ❖ **Number listed in International Database (e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)** : Nil

23. **Details of patents and income generated** : Nil
24. **Areas of consultancy and income generated** : Nil
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** None
26. **Faculty serving in**
  - (a) National committees : None
  - (b) International committees : None
  - (c) Editorial Boards
    - International Journal of Climate Change
    - Journal of Threatened Taxa
  - (d) any other (please specify)
    - serving various academic bodies in the capacity of life member and annual member:
      - Life Member-Indian Science Congress Association, Kolkata.
      - Life Member-Flora n Fauna
      - Life Member- International Bear Association
      - IUCN-Bear Expert

**27. Faculty recharging strategies (UGC, ASC, Refresher / Orientation Programs, workshops, training programs and similar programs):**

University is allowing the faculty members to attend the Orientation Programmes, Refresher Course and other faculty development programmes:

S. No	Faculty Member	Name of the Programme	Date(s)	Organized by
1.	Dr. Fatima Sultana	International Vulture Awareness Workshop	1-2 Sep 2012	Department of Wildlife Science, University of Kota
2.	Dr. Fatima Sultana	Post Monsoon Survey in National Chambal Sanctuary	3-6 Feb 2013	Department of Wildlife Science, University of Kota
3.	Dr. Fatima Sultana	Workshop on Geographical Indications and Patents Right	10 May, 2013	IPR Cell, University of Kota, Kota
4.	Dr. Fatima Sultana	Training Program on Wildlife: Monitoring, Tools and Techniques	13-14 Dec 2013	Department of Wildlife Science, University of Kota and Mukundara National Park, Kota
5.	Dr. Fatima Sultana	Survey of Aquatic Wildlife	01-06 Feb 2014	Department of Wildlife Science, University of Kota
6.	Dr. Fatima Sultana	Training Course on Use of GPS & Open Source QGIS in Wildlife management	4-9 Aug 2014	Department of Wildlife Science, University of Kota & National Institute of Rural Development, Jaipur and Hyderabad
7.	Dr. Fatima Sultana	Technique Tour Study in Mukundara Hills Tiger Reserve	25 Aug-08 Sep 2014	Department of Wildlife Science, University of Kota & Rajasthan Forest Department, Kota
8.	Dr. Fatima Sultana	Workshop on Bird Identification Skills and Field Tour, Bharatpur	27-28 Dec 2014	Department of Wildlife Science, University of Kota
9.	Dr. Fatima Sultana	Survey of Large Aquatic Wild Animals in National Chambal Sanctuary	5- 17 Feb 2015	Department of Wildlife Science, University of Kota & Wildlife Division, Sawaimadhopur
10.	Dr. Fatima	Prey Base study in	18 Feb –	Department of Wildlife

S. No	Faculty Member	Name of the Programme	Date(s)	Organized by
	Sultana	Mukundara Tiger Reserve	25 Mar 2015	Science, University of Kota & WWF-India
11.	Dr. Fatima Sultana	Sign Survey, Line Transect & Camera Trap Technique Training	28 April 05 May 2015	Department of Wildlife Science, University of Kota & Mukundara Tiger Reserve, Kota
12.	Dr. Fatima Sultana	Training Course on GIS and Remote Sensing	5- 17 Oct 2015	Department of Wildlife Science, University of Kota
13.	Dr. Fatima Sultana	Technique Tour	18 Feb – 25 Mar 2015	Department of Wildlife Science, University of Kota
14.	Dr. Fatima Sultana	Distance Sampling Technique Tour	27 April – 5 May 2015	Department of Wildlife Science, University of Kota
15.	Dr. Fatima Sultana	Radio-Telemetry Technique Training, Sariska, Alwar	14- 15 Dec 2015	Department of Wildlife Science, University of Kota

**Organized by any other University / Institution:  
International**

S. No.	Faculty member	Name of the Conference	Date(s)	Organized by
1.	Dr. Fatima Sultana	21 <sup>st</sup> International Conference on Bear Research and Management	26-30 Nov 2012	International Bear Association, New Delhi
2.	Dr. Fatima Sultana	23 <sup>rd</sup> International Conference on Bear Research and Management	5-11 Oct 2014	International Bear Association, Thessaloniki, Greece
3.	Dr. Fatima Sultana	V International Wildlife Management Congress	26-30 July 2015	International Wildlife Management Congress, Sapparo, Japan

**National:**

S. No.	Faculty member	Name of the Conference	Date(s)	Organized by
1	Dr. Fatima Sultana	Indian Science Congress	3- 7 Jan 2013	Calcutta University, Kolkata
2	Dr. Fatima Sultana	National Conference on Biodiversity Conservation	27-28 Sep 2013	IIS University, Jaipur

3	Dr. Fatima Sultana	National Conference on Forest and Wildlife: Present Status, Future Needs and Challenges Ahead	30-31 Jan 2013	Govt. R. D. College, Bharatpur and Rajasthan Forest Division, Jaipur
4	Dr. Fatima Sultana	National Conference on Water Resource Management	3- 4 Jan 2014	Dept. Of Zoology, Govt. College, Ajmer
5	Dr. Fatima Sultana	National Seminar on Environmental Issues and Social Concerns	21-22 Mar 2014	Dept. Of Social Sciences, University of Kota

**28. Student projects** : Nil

**29. Awards / recognitions received at the national and international level by**

**a. Faculty**

- Appreciation Certificate for research in Wildlife Conservation of Sloth Bears in Rajasthan from Principal Chief Conservator of Forest, Jaipur, 29 October 2013
- Appreciation Certificate for contribution towards biodiversity of Hadoti Region through research from Mayor of Kota Division, 22 July 2013
- Appreciation Certificate for writing the report on Critical Tiger Habitat through research and was the base to declare Mukundara Tiger Reserve by National Tiger Authority of India from Chief Conservator of Forest, Kota, 24 July 2013
- Excellence in Teaching Award for research and teaching by Roa Institute and Dainik Bhaskar, Kota, 1 Sep 2015.

**b. Doctoral / post doctoral fellows:** 01 applied in UGC

**c. Students: 04+14**

04 Students of M. Sc. Wildlife Science received DCM-Shriram Award:

- Mr.Santosh Bhattarai, M.Sc.Wildlife Science student selected and completed training in herpetology (15 November – 6 December, 2012) from Salim Ali Center for Ornithology and National History (SACON), Coimbatore, Tamil Nadu.
- Ms.Urvashi Sharma, M. Sc. Wildlife Science student worked as research intern with TSA (Turtle Survival Alliance) an International organisation on captive breeding and re-introduction of fresh water turtles (15 January, 2013), Lucknow, Uttar Pradesh.

- Mr. Yogesh Kumar Jangid, M. Sc. Wildlife Science student selected as Research Intern under Dr. Sankar in Wildlife Institute of India, Dehradun, “Population estimation Techniques of Western Tragopan in Himachal Pradesh.” (28 February, 2013).
- Ms. Laxmi Gupta, was selected as Research Intern with WWF-India, on corridor studies around Ranthambore Tiger Reserve, “Examining the extent of Human-Wildlife Conflict in and around Ranthambore Tiger Reserve and Compensation of Damage Caused by Wildlife Species ” (16 April, 2013).
- Mr. Santosh Bhattaria, Mr. Chetan Mishra, Mr. Hemant Bajpai and Ms. Prerna Sharma was as Research Interns with WWF-India to work on Tiger conservation Activities in the Western India Tiger Landscape (16 April, 2013).
- 10 research papers were presented by students of M. Sc. Wildlife Science in National conference on “Biodiversity Conservation” organised by IIS University, Jaipur (27-28 September, 2013).
- Mr. Ayan Samal appointed as Research Associate in the project investigated by Mr. Surendra Verma, Research Scientist, Asian Nature Conservation Foundation, Innovation Centre, Indian Institute of Science (IISc), Bangalore (29 October, 2013).
- Ms. Urvashi Sharma appointed as Research Associate in Tiger Project, Wildlife Institute of India (WII), Dehradun (2 January, 2014)
- 13 students of M. Sc. Wildlife Science participated in workshop of “Society for Ecology and Environment, Bharatpur” 27-28 December 2014.
- Mr. Santosh Bhattarai and Mr. Hemant Bajpai, appointed as Wildlife Biologist in Project, ‘Ecological assessment of the erstwhile closed areas in Jodhpur district’, WILDLIFE CONSERVATION TRUST (WCT), MUMBAI THROUGH RAJASTHAN PROTECTED AREAS CONSERVATION SOCIETY (RPACS), JAIPUR, Rajasthan, January 2015.
- Mr. Mohd Ali, M. Sc. Wildlife Science appointed as Intern in project, “Ecology and Conservation of Himalayan Wolf” Wildlife Institute of India, Dehradun, 4 September 2015.
- Ms. Agatha Momin, M. Sc. Wildlife Science appointed as Intern in Project, “Human-Elephant Conflict in Golaghat District, Assam” Feb 2016.

**30. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**

S. No.	Name of the Conf. / Seminar /Workshop	Date	Sponsored / Organized by	Details of Outstanding Participants
1.	International Vulture Awareness Workshop	1-2 Sep 2012	Department of Wildlife Science, University of Kota	Sh. Anurag Bhardwaj, CCF, Dr. Anil Changani, Dr. Pratap Singh Katarai
2.	Training Program on Wildlife: Monitoring, Tools and Techniques	13-14 Dec 2013	Department of Wildlife Science, University of Kota and Mukundara National Park, Kota	Dr. G. V. Reddy, CCF, Dr. Subhadeep Bhattacharya Vijay N, Sunil Chidri
3.	Training Course on Use of GPS & Open Source QGIS in Wildlife management	4-9 Aug 2014	Department of Wildlife Science, University of Kota & National Institute of Rural Development, Jaipur and Hyderabad	Prof Vyas, Prof Pathak, Mr. H. S. Solanki, Mr. Manu Sharma
4.	Training Course on GIS and Remote Sensing	5- 17 Oct 2015	Department of Wildlife Science, University of Kota	Jatin Pandya, California, USA

**31. Code of ethics for research followed by the departments:**

Follow as per Wildlife Protection Act 1972.

**32. Student profile programme-wise:**

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M. Sc. Wildlife Science	2015-16	44	17	06	73.91%	76.09%
	2014-15	49	16	04	80.00 %	80.00%
	2013-14	18	09	01	90.00%	90.00%
	2012-13	28	11	02	84.61%	85.39%

**33. Diversity of students:**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	--	--	--	--
P.G.	22%	23%	53.5%	1.5%
Ph.D.	--	--	--	--
Other	--	--	--	--

- 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:**

S. No.	Category / Types of Exam.	Number of Selection
1.	Civil Services	--
2.	Defense Services	--
3.	NET	01
4.	SET	--
5.	GATE	--
6.	State Forest Service	03
7.	Bank	01
8.	RPSC-Police	01
9.	RPSC-College Lecturer	--
10.	RPSC-School Lecturer	04
11.	Scientist/Biologist	15

- 35. Student progression:**

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil.	--
PG to Ph.D.	05
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	--
• Other than campus recruitment	15
Entrepreneurs	--

- 36. Diversity of staff:**

Percentage of faculty who are graduates	
of the same university	36.00%
from other universities within the State	50.00%
from universities from other States	12.50%
from universities outside the country	01.50%

- 37. Number of faculty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : 02**

- 38. Present details of departmental infrastructural facilities with regard to**

(a) Library : Nil

(b) Internet facilities for staff and students:

1 GBPs LAN and Wi-Fi facility, accessible to all students and faculty members in the campus. The facility is accessible all

around the campus. The Centre library is also equipped with UGC-Info net facility used by all research scholars and faculty members.

- (c) **Total number of class rooms facility**  
02 Class Rooms for students of M. Sc. Wildlife Science
- (d) **Students' laboratories**  
Class room cum Lab 02 for students of M. Sc. Wildlife Science
- (e) **Research laboratories:** Nil

**39. List of doctoral, post-doctoral students and Research Associates**

(a) from the host institution / university

S. No.	Name of Doctoral Research Scholars	Name of Supervisor
1.	Shiba Khan	Dr. Fatima Sultana
2.	Dheer Singh	Dr. Fatima Sultana

(b) from other institutions / universities : 02

**40. Number of post graduate students getting financial assistance from the university : Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

At the time of establishment of the course M. Sc. Wildlife Science help was taken from Wildlife Institute of India, Dehradun and Official of State Wildlife & Forest Division, Kota and Jaipur.

**42. Does the department obtain feedback from:**

**i. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

The Department of Wildlife Science considers the feedback of the guest faculty members of the Department as well as Departments of Wildlife & Forest Division, Jaipur and Kota, and affiliated colleges of the University during meetings of COC. Curriculum of M. Sc. Wildlife Science is being modified as per the feedback received and recent need of the subject knowledge and student employability.

**ii. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

The Department is taking the verbal feedback of the students on staff as well as on curriculum and teaching-learning-evaluation. Modifications are being implemented by considering the available facility and staff in the Department for improvement of the teaching methodology of the staff as well as curriculum and teaching-learning-evaluation.

**iii. alumni and employers on the programmes offered and how does the department utilize the feedback?**

To update and modify syllabus and teaching methodology.

**43. List the distinguished alumni of the department (maximum 10):**

S. No.	Organization Name	Candidates Name	Location
1.	Turtle Survival Alliance (TSA)	Urvashi Sharma	Lucknow
2.	Indian Institute of Science (IISC)	Ayan Sasmal	Bangalore
3.	Bombay Natural History Society	Yogesh Jangid	Bundelkhand
4.	Bombay Natural History Society	Hemant Bajpai	Bundelkhand
5.	ATREE	Chetan Misher	Bangalore
6.	Rajasthan Police	Ganesh lal	Udaipur
7.	Rajasthan Forest Service	Zuber Khan	Kota
8.	Turtle Survival Alliance	Rudrarishi Sharma	Ittawa, MP
9.	World Wildlife Fund	Harimohan Meena	Uttar Pradesh
10.	World Wildlife Fund	Prerna Sharma	Jaisalmer

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**

S. No.	Topic	Date	Resource Person
1.	Vultures of India Threats to Vultures	1-2 Sep 2012	Dr. Anil Changani Dr. Pratap Singh Kataria
2.	Landscape Management Distance Sampling	13-14 Dec 2013	Dr. G. V. Reddy, CCF, Dr. Subhadeep Bhattacharya
3.	Open Access Geographic Information System	4-9 Aug 2014	Sh. H. S. Solanki Sh. Manu Sharma
4.	Vegetation study in Sita Mata sanctuary	21-22 Sep 2015	Sh. Satish Sharma
5.	Value of Medicinal Plants	4 Oct 2015	Dr. S. N. Shringi
6.	Training on GIS and Remote Sensing	5- 17 Oct 2015	Sh. Jatin Pandya
7.	Distance Sampling Distance Sampling Software Mark-Recapture Technique Presence- Absence Modelling	28-30 Oct 2015	Dr. Subhadeep Bhattacharya

**45. List the teaching methods adopted by the faculty for different programmes.**

The Departments includes following teaching methodologies:

- Classroom teaching using black boards, smart boards, projectors.
- Seminars of students on recent development in the subject.
- Experts / extension lecture to cover the specific topics by the

academicians, scientists and forest persons.

- Learning through hands on training, group discussions, open sessions and assignments, etc.
- Field study through Technique tour and Orientation tour to Sanctuaries/ National Park/ Conservation areas.
- Dissertation of six months which includes field study, data collection, data analysis, and thesis writing with final submission.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

The Guest faculty members of the Department are taking classes regularly along with various activities for enhancing the subject knowledge and overall development of the students. Seminar, presentations and discussions are regular feature. The programme coordinators monitor the classes, attendance of the students, and modern needs of the curriculum of the courses and they ensure the objectives of the programmes. The head of the department interacts regularly with the students to resolve their difficulties. Department is collaborating with other universities and forest persons to achieve the objectives of continuous improvement in course content and teaching and research.

**47. Highlight the participation of students and faculty in extension activities.**

Department is always working in collaboration of Forest and Wildlife Division, Jaipur. Students participate in various survey, census and training programs organized by Forest and Wildlife Division. Department of Wildlife Science organizes extension lectures to enhance the basic and advance knowledge of the faculty as well as students in Wildlife sciences.

**48. Give details of “beyond syllabus scholarly activities” of the department:**

The Department of Wildlife Science organizes conferences / seminars / workshops / training programs / quiz / oral presentations / Sanctuary/National Park visits time to time. All the faculty members and students of the Departments are actively engaged in these 'beyond syllabus scholarly activities' by playing their roles on different capacities.

**49. State whether the programme / department is accredited / graded by other agencies? If yes, give details:**

Accredited by the Forest and Wildlife Division, Jaipur.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

The study done by the students of Wildlife Science on various aspects of wildlife conservation issues and the Report submitted to the Forest and Wildlife division helps the State Government officials in better implementation of Management and Conservation Action Plan.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**

• **Strengths:**

The growing need of scientific studies with public awareness in Wildlife Science has triggered University of Kota to initiate the PG degree course as self-financing scheme at Kota (Rajasthan) in the year 2010.

- The Wildlife program is a very rigorous program designed to provide the education and experience for being of wildlife professionals. The course is entirely taught by Guest faculty and Extension lectures of specialized experts are conducted to ensure the exposure of the students to the latest research and monitoring skills, techniques and software in their respective field.
- Skill oriented teaching and research by providing hands-on-practice of students on the sophisticated equipments available in the Department.
- The course of the Department is in semester system and hence continuous evaluation of students is undertaken through quiz, internal tests, seminars and viva voce, etc.
- Department regularly organizes various conferences / seminars / workshops / training programmes / quiz / oral presentations / Sanctuary/National Park visits so that students get the exposure of cutting edge research.
- Support of senior professionals and experts from academic institutes, research centres and Forest Department help in academic planning and development of programmes.

• **Weaknesses:**

- No permanent faculty member and supporting staff which is affecting continuously teaching and quality research.
- No technical staff (Lab. Tech., Lab Asstt., Lab. Boys, etc.). Due to this, different types of works like performance of practical work, maintenance of labs, maintaining store & equipments, purchasing of items required for the laboratories, etc. are affected and subsequently growth of the Department.

- Less number of classrooms, laboratories, general items store which are hurdle to increase more number of students in the existing course as well as to start new courses.
- **Opportunities:**
  - Rajasthan is a state with good diversity of Flora and Fauna.
  - The state has number of sanctuaries, National Park, Tiger Reserve, Birds Sanctuary and community conservation areas; therefore students can get good opportunity to study and research on wide aspects.
  - This is the first institute that is providing PG Degree course in Wildlife Science.
  - Students from all over India can get the benefit of pursuing the course.
- **Challenges:**
  - Lack of Permanent Faculty and office Staff is a hurdle for quality teaching and research.
  - Lack of laboratory / supporting staff may result in degradation of the laboratory equipment and may affect the quality of practical performance.
  - Lack of funds, finances and facilities at for the department may affect the quality of the courses as these are specialized courses aiming at providing students with latest knowledge. No sufficient start up grant for new faculty to start his/her research. Lack of funds for travel support (national and international) for attending conferences. No institutional mechanism, infrastructure and facilities for attracting international students.

**52. Future plans of the Department:**

Department of Wildlife Science focuses on the biology and management of wild animals, including their ecology and conservation. As a wildlife scientist one will study native and exotic birds, mammals, reptiles and amphibians in natural or created environments, their biodiversity and human-wildlife interactions. This gives the ability to implement and evaluate wildlife management programs for captive and free-ranging wildlife. One will develop a strong scientific knowledge of wildlife anatomy and physiology, breeding, reproduction, nutrition, health, husbandry, ecology, welfare and behavior. With excellent wildlife trapping, identification and handling skills, one can make a major contribution to the wildlife, game and vertebrate pest management industries in the country. With their study they can provide healthy habitat to the animals in artificial environment.

Wildlife Science course enables to develop:

- ❖ in depth knowledge of wildlife conservation, and a critical understanding of concepts such as sustainability and sustainable development
- ❖ an understanding of the construction and analysis of data sets, and how they are used (and sometimes misused) for different purposes
- ❖ practical skills in mapping biodiversity and running spatial analysis to understand and illustrate conservation issues (GIS)
- ❖ an understanding of ecological networks and ecosystem services, and how they are identified, mapped and protected
- ❖ an understanding of environmental changes and the consequences
- ❖ approaches to habitat recreation
- ❖ understanding of socio-political and ethical dimensions of conservation problems
- ❖ Confidence in use of universally available resources and open-access software

**Proposed New Courses:**

1. Integrated B.Sc.-M.Sc. course in Wildlife Science
  - Animal Ecology and Conservation Biology
  - Habitat Ecology
  - Landscape Level Planning and Management
  - Eco-development Planning and Participatory
  - Wildlife Forensic and Pathology Department
  - Fishery Department
2. Short Term Courses
3. Short courses and workshops of one to three weeks duration and workshops will be conducted on specific themes and techniques in various subject areas which are otherwise not covered by the institute's regular courses.
4. Capsule Courses in Wildlife Management
  - Interpretation and Conservation Education
  - Endangered Species and Zoo Management
  - Environment and Nature Conservation
  - Control of Illegal Wildlife Trade in India

**Research, Development and Innovation:**

The department plans to purchase the advanced equipments /items / experiments (especially of the field of Wildlife Sciences) as had also been suggested by renowned academician and scientist during their visit to the university for conference and lecture purposes. Set up of centre of excellence.

**Infrastructural Development:**

- The course is running in Self-financing scheme, but once it get recognized as permanent department from State Government, funds can be generated through various schemes of UGC, DST, MoeF and R & D for developing infrastructure.
- To develop audio/visual facilities in classrooms of the department.
- Rehabilitation and Rescue Centre



## **Faculty of Commerce & Management**

- **Department of Commerce and Management**

## **Evaluative Report of the Department** **(from April 2012 to March 2016)**

1. **Name of the Department:**  
Department of Commerce and Management
2. **Year of establishment:**  
2008
3. **Is the Department part of a School/Faculty of the university?**  
Faculty of Commerce and Management.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**  
PG, M.Phil, Ph.D
5. **Interdisciplinary programmes and departments involved:** None
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**  
Memorandum of Understanding (MOU) signed between Lyceum of the Philippines University, Manila, Philippines and University of Kota, Kota for Academic Activities
7. **Details of programmes discontinued, if any, with reasons :**  
Masters in International Development (Discontinued in 2011)
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**  
The department has been running all the PG Programmes in the semester sytem based on Choice based Credit System.
9. **Participation of the department in the courses offered by other departments:** Nil
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):**

Posts	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professors	2	2	2
Asst. Professors	3	3	3
Others	-	-	-

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

Name	Qualification	Designation	Specialization	No. of Yrs of Exp.	No. of Ph.D./M.Phil guided (last 4 yrs)
Prof Rajeev Jain	B.Com, M.B.A, Ph.D (Management)	Professor	Gen. Mgmt (HR and Marketing)	34	17
Dr. Anita Sukhwal	B.Com, M.Com, M.B.A, Ph.D	Associate Professor	Marketing	19	8
Dr. Anukrati Sharma	B.Com, M.Com, PG Diploma in HRM, Diploma in Tourism Studies, M.I.B, Ph.D	Associate Professor	Tourism, Marketing & Strategic Management	11	8
Dr. Meenu Maheshwari	B.Com, M.Com, M.Phil, Ph.D	Assistant Professor	Accounting	8	--
Mr. Ashish Asopa	B.Com, M.B.A	Assistant Professor	Finance and Marketing	7	Nil
Dr. Pragya Dheer	B.Com, M.B.A, Ph.D	Assistant Professor	Finance and Marketing	7	Nil

**12. List of senior visiting fellows, adjunct faculty, emeritus professors :**

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D./M.Phil guided (last 4 yrs)
Dr. Gopal Singh	B.Com, M.Com EAFM, Ph.D	Visiting Faculty	Economics, Foreign Trade, Ethics	45	08
Dr. Ummed Singh	B.Com, M.Com Busi Admn, Ph.D	Visiting Faculty	Business Administration, Human Resource Management	37	07
Dr. S K Jain	B.Com, M.Com ABST, CA Ph.D	Visiting Faculty	Accounting, Finance and Portfolio	37	Nil
Mr. R P Vyas	Engineering, ICAI	Visiting Faculty	Auditing, Costing and Accounting	35	Nil
Mr. Pradeep Agarwal	B.Tech, M.Tech, M.C.A	Visiting Faculty	Computers	10	Nil
Ms. Rashmi Gupta	B.Tech, M.Tech, M.C.A	Visiting Faculty	Computers and French	05	Nil
Ms. Anamika Sharma	M.B.A	Visiting Faculty	English, Strategic Management	05	Nil

- 13. Percentage of classes taken by temporary faculty – programme-wise information:** 40%
- 14. Programme-wise Teacher Student Ratio:**  
MBA = 1:05, M.Com (Acc n Fin) = 1:08, MBA (IB) = 1:02
- 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:** 04 (Employed through agency)
- 16. Research thrust areas as recognized by major funding agencies:**  
The following areas are recognized by the funding agencies as thrust areas in Department are:
- Micro Finance
  - Corporate Governance
  - Tourism
- 17. Number of faculty with ongoing projects from:**  
(a) National : 02  
(b) International funding agencies : Nil  
(c) Total grants received  
Research Projects to Faculties : **Rs. 30.1 Lacs**

Details of the ongoing projects are as under:

S. No	Name of Faculty Member	Title of the Project	Name of funding Agency	Amt Granted Lacs	Duration
1	Dr. Anukrati Sharma	An Empirical Study on Role of Marketing Strategies and Information Technology for the Tourism Development in Rajasthan	UGC	22.0	2015-17
2	Dr. Meenu Maheshwari	Corporate Governance	UGC	5.0	2015-17
3	Mr. Ashish Asopa	Micro Finance	UGC	1.5	2014-16

- 18. Inter-institutional collaborative projects and associated grants received**  
(a) National collaboration : Nil  
(b) International collaboration : Nil
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received :** Nil

20. **Research facility / centre with**
- a. **state recognition** : Nil
  - b. **national recognition** : Nil
  - c. **international recognition** : Nil

21. **Special research laboratories sponsored by / created by industry or corporate bodies** : Nil

22. **Publications:**

**\* Number of papers published in peer reviewed journals (national / international) = 42**

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
1.	Comparative Analysis of Investors Buying Behavior of Urban Rural for Financial Assets Specifically focused on Mutual Fund	Prof Jain	Abhinav International Monthly Refereed Journal of Research in Management & Technology	2013	II	III	
2.	Role of Mutual Fund in Indian Financial Market as Key Resource Mobiliser	Prof Jain	Abhinav International Monthly Refereed Journal of Research in Management & Technology	2013	II	III	
3.	A Comparative Analysis of Buying Behavior of Urban and Rural Investors for Insurance	Prof Jain	Abhinav National Monthly Refereed Journal of Research in Commerce & Management	2014	III		
4.	Measuring Risk Adjusted Returns (Sharpe Ratio) of selected Mutual Fund – A Case of daily returns	Prof Jain	Journal of Business Management & Social Sciences Research (JBM&SSR)	2014	III	4	
5.	Measuring Buying Behavior of Rural investors for the financial assets	Prof Jain	International Journal of Research and Business Management	2014			
6.	Talent Management Practices and Employee Satisfaction: A Study of Selected Cement Industries	Prof Jain	Pacific Business Review International	2015	7	9	

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
	of Rajasthan						
7.	An Analytical Study of Top Management Perception on Talent Management Efficacy in Indian Cement Industry	Prof Jain	Pacific Business Review International	2015	7	11	
8.	Identifying the factors affecting the choice of carrier of students after 12th in Valsad city located in Gujarat state	Prof Jain	Vision Research Journal of Commerce and Management	2015	1	1	
9.	An Empirical Study on Factors imposing dissatisfaction among Public and Private Sector Bank Customers	Anita sukhwal & Narendra rathore	Indian Journal of Business and Administration Research Review (IJBARR)	2015		11	63-67
10.	A Study on Cross Cultural Variables and its impact on Change Management Strategies in Selected Organizations of Rajasthan	Anita Sukhwal	International Journal of Advanced Research (IJAR)	2015	3	5	969-977
11.	A Study on Critical Success Factors for Business Strategy Efficacy in selected organizations of India published in Glacier- Journal of Scientific Research	Anita Sukhwal	Glacier- Journal of Scientific Research	2015	1	1	1-10
12.	A Study of Creativity & Innovation in Managing E-Business operations	Anita Sukhwal	Pariplex-International Multidisciplinary Research Journal	2015	5	5	3-7
13.	A Study on E-Commerce and E-Business enabling Strategic abilities in selected organizations of Rajasthan	Anita Sukhwal & Harshita Paliwal	Journal of Commonwealth Journal of Commerce and Management Research	2015	2	5	73-84
14.	Where has all the Good Marketing	Anita Sukhwal &	International Journal of	2015	5	5	36-38

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
	Gone	Jyoti Joshi	Research & Commerce & Management (IJRCM)				
15.	A Study on Promotion Mix and their Efficacy in Selected Organizations of South Rajasthan	Anita Sukhwai	Glacier- Journal of Scientific Research	2014	1	1	1-18
16.	A Turnaround strategy- Case study of MAGB	Anita Sukhwai & Narendra S. chawda	Udyukta- International Journal in Management and Economics	2014	5	1	1-4
17.	The Impact of Change Management Strategies in Organizational Commitment & Business Efficacy in Rajasthan	Anita Sukhwai & Harshita Paliwal	Naveen shodh sansar	2014	1	VIII	55
18.	A Study of Creativity & Innovation in small and Medium entrepreneurship	Anita Sukhwai & Harshita Paliwal	Naveen shodh sansar	2014	1	VIII	61
19.	Mobile Advertising ; An Empirical Study on Utility for Small and Local Traders of Kota, Rajasthan	Mathur Amit and Sharma Anukrati	International Journal of Advanced Research	2015	3	9	
20.	Educational Tourism: Strategy for Sustainable Tourism Development with reference of Hadauti and Shekhawati Regions of Rajasthan, India	Sharma Anukrati	(Romanina): <i>Journal of Knowledge Management ,Economics and Information Technology</i>	2015	5	4	1-17.
21.	The Impact of Events on Rajasthan Tourism with Reference to Different Fair and Festivals.	Sharma Anukrati and Arora Shruti	<i>International Journal of Economics ,Commerce and Research</i>	2015			
22.	A Study on Rajasthan Wildlife	Sharma Anukrati	<i>Elixir Marketing Mgmt.</i>	2014			91-97

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
	Tourism: Conservation and Reformation”.						
23.	Corporate Social Responsibility in the context of Female Foeticide and Infanticide in Rajasthan	Thakur Deepika and Sharma Anukrati	<i>MANTHAN: Bi-annual Referred Journal of Commerce and Management</i>	2014	1	2	72-84
24.	A Study on Buying Behavior of Rural Consumers towards FMCG Product with special reference to Indian Rural Consumers	Mathur Amit and Sharma Anukrati	<i>”Elixir Marketing Mgmt</i>	2014			83-
25.	A Study of Investment Behavior of Middle Income Group towards Different Kinds of Investment Avenues	Goyal Megha and Sharma Anukrati	<i>IOSR Journal of Business and Management (IOSR-JBM</i>	2014	6	8	1-10
26.	A SWOT Analysis of Rajasthan Tourism	Sharma Anukrati	<i>A Journal of Multidisciplinary Research Spectrum</i>	2013	2	6	17-
27.	An Empirical Study on Heritage Hotel: Umed Bhawan Palace	Praveen Wajeda and Sharma Anukrati Sharma	<i>International Journal of Business Management and Research</i>	2013	3	3	71-
28.	Destination Marketing: Hamper of Opportunities for Tourism Industry	Sharma Anukrati	<i>International Journal of Management Sciences and Business Research</i>	2013	2	5	20-
29.	Social Media : A successful Tool of Brand Awareness”..	Arora Shruti and Sharma Anukrati	<i>International Journal of Business and General Management</i>	2013			1-14
30.	Social Media: A New Marketing Strategy	Sharma Anukrati	<i>International Journal of Management</i>	2013			19-
31.	Economical Growth of Tourism Industry in India	Sharma Anukrati	International Journal of Economics, Commerce and	2013			115-118.

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
			Research				
32.	Changing Face of Indian Agriculture in Global Scenario	Goyal Megha and Sharma Anukrati	International Journal of Agriculture Science and Research Journal	2013			217-
33.	Scheduled Commercial Banks in Rural Areas, A Boon : Comparative Study of Public, Private and Foreign Banks	Sharma Anukrati	International Journal of Business Management & Research	2013			127-
34.	A Study on e-Commerce and Online Shopping : Issues and Influences	Sharma Anukrati	International Journal of Computer Engineering & Technology	2013			364-
35.	An Analytical Study on the Opportunities of Rural Marketing in India	Sharma Anukrati	International Journal of Management	2013			183-
36.	Work Stress : A Study on Retail Sector Employees of Jaipur	Sharma Anukrati	International Journal of Management	2013			163-174
37.	Rejuvenate the Spectrum of Highway Tourism	Sharma Anukrati	EXCEL International Journal of Multidisciplinary Management Studies	2012	2	8	256-
38.	Haryana Tourism – Painted in Different Canvas	Sharma Anukrati	Spectrum : A Journal of Multidisciplinary Research	2012			32-
39.	Implication of Mergers and Acquisition on Stakeholders: A Case Study of Reliance Industries Limited	Dr. Dheer	Pacific Business Review	2013	6	2	
40.	Implications of Acquisitions on Firm's Performance: A Case Study of	Dr. Dheer	Madhya Bharti Journal	2014		1	

S. No.	Title of the Paper	Name of all Authors	Name of the Journal	Year	Vol.	Issue	Page
	Vodafone						
41.	A Overview on Carbon Credit in India – Burning Business Issue	Dr. Dheer	Inspira – Journal of Modern Management & Entrepreneurship	2015	5	1	
42.	Knowledge Management in Higher Education: Potential, Challenges and Efforts of Government of India	Dr. Dheer	Aagam Journal	2015		2	

**\* Published in Conference Proceedings**

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S. No	Title of the Paper	Name of all Authors	Details of Proceedings	Year	Vol.	Issue	Page
1	Medical Tourism Trends and Oppurtunities	Prof Jain	8 <sup>th</sup> ITHC International Tourism Conference on “Asia Pacific Tourism: Innovations and Challenges in the age of M-Commerce” at Manila, Philippines in collaboration with Lyceum of the Philippines University	2015			
2	Medical Tourism in Rajasthan: Opportunities and Challenges	Prof Jain	5 <sup>th</sup> International Conference on “Tourism towards New Horizons: Issues and Challenges Kuala Lumpur, Malaysia organized by Taylor’s University, Malaysia and Indian Tourism Congress	2013			

S. No	Title of the Paper	Name of all Authors	Details of Proceedings	Year	Vol.	Issue	Page
3.	Role of Women in Transformation and Enhancement of Tourism and Hospitality Sector; A Study on Hadoti and Shekhawati Regions of Rajasthan	Sharma Anukrati	ICSSR sponsored 10 <sup>th</sup> Biyani International Seminar on Role of Gender in Promoting Quality Education at Biyani Girls B.ED. College, Jaipur	2016			
4.	Gender Discrimination and Harassment in Indian Education :With Special Reference of Universities”.Bi yani Institute of Commerce and Management.	Sharma Anukrati and Rishi P.O	Proceedings of the 9th Biyani International Conference (BICON-14),	2014			113-125
5.	Rural tourism: A new Mantra for Increasing the Living Standard of Villagers of Rajasthan	Sharma Anukrati and Rishi P.O	Changing Dynamics of Global Economy , Proceedings of the 9th Biyani International Conference (BICON-14)				77-83
6.	An Empirical Study on digital Marketing in Rajasthan, Tourism Development	Sharma Anukrati and Rishi P.O	New Horizons of Information Technology by using Engineering and Mathematical Approaches Proceedings of the 9 <sup>th</sup> Biyani International Conference(BICON-14				
7.	A Study on Strategies & Information Technology in Rajasthan Wildlife Tourism.	Sharma Anukrati and Rishi O.P.	Utkarsh-III Innovative Quest in Management and Zest in Information Technology for the Modern Era”. Dr.D.Y.Patil School of Management, Pune Success Publications	12&13 March 2015			
8.	The Growing Zest of	Sharma Anukrati	Utkarsh-III Innovative Quest in	12&13 March			

S. No	Title of the Paper	Name of all Authors	Details of Proceedings	Year	Vol.	Issue	Page
	Agritourism in India: New Feature in Indian Tourism Industry”.	and Praveen Wajeda	Management and Zest in Information Technology for the Modern Era”. Dr.D.Y.Patil School of Management, Pune Success Publications	2015			
9.	Impact of Strategic Alliance on Companies Performance: A Case Study of Microsoft Corporation and Nortel Limited	Dr. Dheer	IX <sup>th</sup> International Conference organised by ASM group of Institutes, Pune	2014			
10.	Bio-Diversity Conservatio: Challenges and Priorities	Dr. Dheer	National Conference organised by Department of Social Sciences, University of Kota, Kota	2014			
11.	Human Rights Violation by Companies in India	Dr. Dheer	International Conference on “Ethics & Values in Resource Management” organised by Pacific University in New Delhi	2014			
12	Impact of Demerger on Shareholders’ Equity: A Case Study of Hero MotoCorp. And Honda Motor Co. Ltd.	Dr. Dheer	10 <sup>th</sup> International Conference on “Ongoing Research on Management and IT” organised by ASM group of Institutes, Pune	2015			
13.	Effect on Online Retail Boom over Retail Business in India	Dr. Dheer	11 <sup>th</sup> International Conference on “Ongoing Research on Management and IT” organised by ASM group of Institutes, Pune	2016			

**\* Chapters in Books**

**= 16**

S. No	Title of the Chapter	Name of all Authors	Title of the Book	Name of the Publisher	Year
1	Medical Tourism in Rajasthan: Challenges and Oppurtunities	Prof Jain	Tourism towards New Horizon	Kanishka Publication Distributions, New Delhi	2013
2	Perception & Preferences of Consumers regarding Cement Brand in South Rajasthan	Prof Jain	Contemporary Issues in Marketing	Pacific University Publication	2015
3	Advertising and Sales Promotion (Unit 14&15)	Dr. Anita Sukhwai	VMOU, Kota	VMOU	2014
4	MP-109, Operations Management- Unit 8, 9 &10	Dr. Anita Sukhwai	VMOU, Kota	VMOU	2013
5	Food Tourism for Regional Identity: The Case of Shekhawati and Hadoti Regions, Rajasthan	Sharma, A. & Hassan, A.	Food and Agricultural Tourism: Theory and Best Practice. S. L. Slocum and K. R. Curtis (eds.)	London: Routledge. Text Book	2016
6	The British Indian Curry Industry Moves to Bangladesh: Globalization Effects.	Hassan , A. & Sharma, A.	Food and Agricultural Tourism: Theory and Best Practice. S. L. Slocum and K. R. Curtis (eds.)	London: Routledge. Text Book	2016
7	Knowledge Management in Higher Education Institutions With Special Reference to Universities in India	Sharma,A. & Hassan, A.	Managing and Leading Creative Universities – The Secrets of Successful Scientist. In D. Vogel and J. A. Lugmayr (eds.)	New York: Springer	2016
8	Language Matters in Tourism Technology Research Questionnaire Design..	Sharma,A. & Hassan, A.	Handbook of Questionnaire Design. In S. O. Gains, Jr. and V. Taras (eds.)	London The SAGE.	2015
9	Cultural and Heritage Tourism Development: A Case Study of Hadauti Region, Rajasthan	Sharma A.	Emerging Trends in Hospitality and Tourism Sector	Bharti Publication ,New Delhi	2015
10	Tourism Destination Development ; A Case	Sharma ,A.	Tourism In India	Prateeksha Publications	2015

	Study of Baran District ,Hadauti ,Rajasthan		:Opportunities and Challenges	,Jaipur	
11	Wildlife Tourism: Technology Adoption for Marketing and Conservation	Hassan, A. and Sharma, A	Wilderness of Wildlife Tourism	Apple Academic Press, Inc., Waretown, USA	2015
12	Exploring Wildlife Tourism: A Case Study of Sorsan , Rajasthan	Sharma ,A & Singh, V	Innovations in M-commerce	Bharti Publications, New Delhi	2015
13	Bhangarh Fort, Rajasthan: A Case Study of Dark Tourism pp.60-63	Praveen. W.& Sharma A	Dynamics of Commerce and Management	Archers & Elevators Publishing House,Banglore	2014
14	Shift in Marketing Trends in Current Competitive Scenario".pp.165-167 .	Sharma ,A.	Latest Trends in Management, Commerce and Economics	Baba Farid College of Mgmt and Technology , Bathinda	2014
15	E –Commerce Creating New Avenues for Tourism Industry”	Sharma, A	India Changing Scenario of Business and Commerce	Prashant Publications ,Jalgaon	2012
16	Human Rights Violation by Companies in India in the edited book “Ethics & Values in Resource Management”	Dr. Dheer	Ethics & Values in Resource Management	Pacific University	2015

**\* Edited Books**

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S. No.	Title of the Books	Name of Authors	Name of the Publisher	Year	ISBN
1	Retail Management	Prof Jain	RBSA Publisher	2012	--
2	Strategic Leadership Practices –A 360 degree analysis, book, available on amazon.com, E-bay	Dr. Anita Sukhwai	published by Scholars press, Germany.	2014	978-3-639-51327
3	Cases in Entrepreneurship	Dr.Amit Dwivedi, Harnam singh & Anita Sukhwai	by Bookwell publishers	2013	978-93-80574-49-3
4	Rural Management in Post-Reform Era	Amit Dwivedi & Anita Sukhwai	by Bookwell publishers	2012	978-93-80574-32-5
5	Rural Entrepreneurship Development in Liberalised Era	Anita Sukhwai	by Bookwell publishers	2012	978-93-80574-31-8
6	Organizational Behaviour	Kumar P.S.S, Sharma,Anukr ati and Krishna Srinivasa	Jahanvi Publications Pvt. Ltd., Jaipur	2012	978-81-922695-1-1

7	Principles & Practices of Management	Sharma , Anukrati	Jahanvi Publications Pvt. Ltd., Jaipur	2012	978-81-922695-7-3
8	Marketing of Tourism with special Reference of Rajasthan	Sharma , Anukrati	Lembert, Germany	2014	13: 978-3659270604 10: 3659270601
9	Company Law	Sharma Anukrati	Jahanvi Publishing Pvt. Ltd., Jaipur	2012	978-93-82994-01-5
10	Sales and Distribution Management	Sharma Anukrati	Jahanvi Publishing Pvt. Ltd., Jaipur	2013	978-93-82994-00-8
11	Tourism Opportunities & Ventures (Edited book)	Sharma Anukrati	Jahanvi Publications Pvt. Ltd., Jaipur	2012	978-81-922695-3-5
12	Agriculture: Innovation Strategy and Technology in 21 <sup>st</sup> Century (Edited book)	Sharma Anukrati and Goyal Megaha	Archers & Elevators Publishing House, Bangalore	2015	978-93-85640-00-1
13	Agriculture: Innovation Strategy and Technology in 21 <sup>st</sup> Century (Edited book)	Sharma Anukrati and Goyal Megaha	Archers & Elevators Publishing House, Bangalore	2015	978-93-85640-01-8
14	Emerging Trends and Technologies in Advertisement Management in 21 <sup>st</sup> Century	Sharma ,A. Mathur, A. and Rishi, P.O.	Archers & Elevators Publishing House, Bangalore	2015	978-93-83241-11-8

**\* Books with ISBN with details of publishers**

**= 5**

S. No.	Title of the Books	Name of Authors	Name of the Publisher	Year	ISBN
1	Organizational Behaviour	Kumar P.S.S, Sharma, Anukrati and Krishna Srinivasa	Jahanvi Publications Pvt. Ltd., Jaipur	2012	978-81-922695-1-1
2	Principles & Practices of Management	Sharma ,Anukrati	Jahanvi Publications Pvt. Ltd., Jaipur	2012	978-81-922695-7-3
3	Marketing of Tourism with special Reference of Rajasthan	Sharma ,Anukrati	Lembert, Germany	2014	13: 978-3659270604 10: 3659270601
4	Company Law	Sharma Anukrati	Jahanvi Publishing Pvt. Ltd., Jaipur	2012	978-93-82994-01-5

5	Sales and Distribution Management	Sharma Anukrati	Jahanvi Publishing Pvt. Ltd., Jaipur	2013	978-93-82994-00-8
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❖ **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.) : N.A.**

- 23. Details of patents and income generated : Nil**
- 24. Areas of consultancy and income generated : Nil**
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil**
- 26. Faculty serving in**  
**(a) National committees**  
**(b) International committees**  
**(c) Editorial Boards**  
**(d) any other (please specify) : Nil**
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs & similar programs): Nil**
- 28. Student projects**  
a. percentage of students who have done in-house projects including inter-departmental projects : Nil  
b. percentage of students doing projects in collaboration with other universities / industry / institute : Nil
- 29. Awards / recognitions received at the national and international level by**  
a. Faculty : Nil  
b. Doctoral / post doctoral fellows : Nil  
c. Students : Nil
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

S No.	Name of the Conference	Date	Sponsored / Organised by
1	IPR Workshop	10 <sup>th</sup> May 2013	Sponsored by DST and organised by Deptt of Commerce and Management

2	Workshop on Geographical Indications and Patent Rights	11 <sup>th</sup> May 2013	Sponsored by DST and organised by Deptt of Commerce and Management
3	Intellectual Property Rights Workshop	20 <sup>th</sup> November 2013	Sponsored by DST and organised by Deptt of Commerce and Management
4	45 Days Entrepreneurship Development Program	19 <sup>th</sup> Feb. 2014 - 3 <sup>rd</sup> April 2014.	Sponsored by DST and organised by Deptt of Commerce and Management
5	45 Days Entrepreneurship Development Program	19 <sup>th</sup> March 2016.- 2 <sup>nd</sup> May 2016.	Sponsored by DST and organised by Deptt of Commerce and Management

**31. Code of ethics for research followed by the departments:**

- Acknowledgement for funding agencies and academic discussions
- Sharing of research ideas between faculty members and researchers
- The code of ethics for researcher followed by UGC and as per the norms of University of Kota, Kota.

**32. Student profile programme-wise:**

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
<b>2015 – 16</b>					
M.B.A	As per allotted by CMAT	8	10	--	--
M.Com (A & F)	60	21	11	--	--
M.B.A -I.B.	15	9	1	--	--
<b>2014 – 2015</b>					
M.B.A	As per allotted by CMAT	24	8	62.50	87.50
M.Com (A & F)	65	22	17	69.09	82.35
M.B.A -I.B.	13	10	2	60.00	100.00
<b>2013 – 14</b>					
M.B.A	As per allotted by CMAT	22	--	63.63	--
M.Com (A & F)	40	29	6	62.08	83.33
M.B.A -I.B.	20	11	3	64.54	66.67
<b>2012 – 13</b>					
M.B.A	As per allotted by RMAT	14	6	71.42	83.33
M.Com (A & F)	35	20	7	70.00	71.42

**33. Diversity of students:**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	-	-	-	-
PG	86.00	14.00	-	-
Ph.D.	50.00	35.00	15.00	
Other	-	-	-	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise : Nil**

**35. Student progression:**

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	-
PG to Ph.D.	15.00
Ph.D. to Post-Doctoral	--
Employed	
<input type="checkbox"/> Campus selection	10.00
<input type="checkbox"/> Other than campus recruitment	70.00
Entrepreneurs (Nos)	05

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	16.67
from other universities within the State	83.33
from universities from other States	--
from universities outside the country	--

**37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** 01, rest 04 faculties are selected with qualification of Ph.D

**38. Present details of departmental infrastructural facilities with regard to**

**a. Library:** No departmental Library

**b. Internet facilities for staff and students:**

All the students as well as faculties in University campus is facilitated with Wi-Fi facility as well as UGC info net and E-Book facility is also available to all faculties, students and research scholars

**c. Total number of class rooms facility:**

03:02 classes out of 03 are equipped with Smart Board for interactive classes.

**d. Students' laboratories:**

01: Language Lab for department's courses as well as other departments of University of Kota, Kota

**e. Research laboratories:**

Nil

**39. List of doctoral, post-doctoral students and Research Associates**

**a. from the host institution/university**

Name	Title	Supervisor
Mrs. Garima Jain	A Critical Evaluation of Operational Efficiency of Supply Chain Management of Biomass as Feed Stock to the Power Producer in Rajasthan (with special reference to Kota)	Prof Jain
Mr. Girdhari Lal Garg	A Critical Evaluation of Reforms through Stress Management (Holistic Approach) in Prison inmates of Rajasthan	Prof Jain
Kavita Punjabi	Quality of Work Life of Females working in IT Sector (A Case Study of Bengaluru City)	Prof Jain
Manoj Kumar Sharma	A Strategic Study & Critical Analysis of Challenges and Opportunities in building world class multidisciplinary Universities in India	Prof Jain
Zeeshan Quereshi	"A study of Marketing Strategies of Selected Organizations of Rajasthan"	Dr. Anita Sukhwal
Anshul Mathur	"A Study of Branding Strategies of Selected Organizations of Rajasthan"	Dr. Anita Sukhwal
Jasvinder Kaur	"A Study on Impact of International Business Env. on Selected Organizations of India and selected Economies"	Dr. Anita Sukhwal
Mahesh Kumar	"A Study on Rural Development Strategies of selected programs of Rajasthan Government",	Dr. Anita Sukhwal
Nand Kishore Koli	A Study of Impact of Emotional Intelligence Practices in Ajmer Vidyut Vitran Nigam Ltd	Dr. Anita Sukhwal
Shruti Arora	Growth and Development of Event Management Sector in Rajasthan ;An Evaluation	Dr. Anukrati Sharma
Pricny Thomas	An Assessment of Problems and Prospects of Organized Retail Through Shopping Mall; A Study with reference to Rajasthan	Dr. Anukrati Sharma
Megha Goyal	Role of State Govt. in Promoting the Agriculture in Rajasthan ;An empirical study of Farmers Satisfaction Level	Dr. Anukrati Sharma
Amit Mathur	Effects of Celebrity Endorsement on consumers ;A study of selected FMCG Product	Dr. Anukrati Sharma
Wajeda Praveen	Tourism Marketing in Rajasthan; A Case Study of RTDC	Dr. Anukrati Sharma
Deepika Thakur	Quality of Management Education; An Empirical Study of Selected Management Institutes in Rajasthan	Dr. Anukrati Sharma
Rashmi Bhandhari	Tourism Potential of Hadoti Region with special reference to Rural Tourism Development	Dr. Anukrati Sharma

**b. from other institutions/universities:**

<b>Name</b>	<b>Title</b>	<b>Supervisor</b>
Dr. Anamika Upadhyay	Impact of Organizational Culture on Employee Job Satisfaction: A Study of the Hotel Industry in Southern Rajasthan	Prof Jain
Dr. Swati Sharma	A Study of Supply Chain Practices & Marketing Prospects of Onion in Raj.	Prof Jain
Dr. Sanjeev Raj Jolli	Employee Job Satisfaction and Performance of Field Sales Personals in Pharmaceuticals Industry in Rajasthan	Prof Jain
Dr. Krishna Kant Dave	A Critical Analysis of The Impact of US Subprime Loan Market On Indian Economy	Prof Jain
Dr. Bhavana Mehta	A Study of consumer Preference of Mobile Service with Special Reference to BSNL in Udaipur City	Prof Jain
Dr. Debajeet Bora	A Study of Employees Motivation In Hotel Industry of Southern Rajasthan	Prof Jain
Dr. Sanjay Bansal	Role of human resource management in Rajasthan State Mines & Minerals Ltd.	Prof Jain
Dr. Arpita Jain	A Critical Study On Newspaper Industry In Relation To Advertising and Social Issues In Udaipur City	Prof Jain
Dr Ankita Jain	A comparative study of corporate social responsibility of selected Private & Public sector organization with special reference to south Rajasthan	Prof Jain
Dr. Dhiman Jani	A Comparative Analysis of buying behavior of Urban and Rural Investors for Financial Asset specially focused in Gujrat State	Prof Jain
Miss. Prachi Mathur	Medical Tourism in Rajasthan – Challenges and Scope	Prof Jain
Mr. S. C. Agarwal	Study on Talent Management practice on Cement Industry of Rajasthan	Prof Jain
Mr. Sohit Agarwal	A Study on performance Management System in Large Scale Industry in South Industry	Prof Jain
Dr. Jyoti Joshi	A Study of Efficacy of Business Strategies of Selected Organizations of India	Dr. Anita Sukhwal
Dr. Harshita Paliwal	A Study of Change Management Strategies in Selected Organizations of Rajasthan	Dr. Anita Sukhwal
Narendra Chawda	A Critical Study of Business Intelligence solutions in Selected Banks of Rajasthan	Dr. Anita Sukhwal
Akansha Bhargav	Role of celebrity Advertising :A comparative study of celebrities and Non- celebrities in FMCG	Dr. Anukrati Sharma

**40. Number of post graduate students getting financial assistance from the university : Nil**

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:**

Department of Commerce and Management had been in existence since from 2008. The Department makes the need assistance of all courses before their launching. First of all, it is visualised what are the

trends at global, national and regional level and what would be the probable demand for the course in the near future. Further, market requirement specifically in terms of industry wise requirement is also assessed for purpose of gainful employment opportunities for the students. Industry–Academia interface is also done through conducting the seminars, workshops and symposia’s, so that curriculum could be developed according to the societies expectations. Courses are framed by BOS which is represented by prominent academicians, renounced industrialist and other professionals so that a balance view could be arrived at.

**42. Does the department obtain feedback from**

**i. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes, the feedback from faculty members of the department (including the visiting faculties) and also from the faculties of affiliated colleges of the university is obtained during the meetings of BoS and CoC held by the university from time to time. This feedback is useful not only in updating and revising of syllabi of different courses offered, but also for improving the teaching pedagogy and learning process.

**ii. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, the department obtains the feedback from students about the teaching faculties, curriculum offered to them. The feedback thus received is utilized to revise and update the syllabi of the programme and to improve the performance of the faculty

**iii. alumni and employers on the programmes offered and how does the department utilize the feedback?**

Nil

**43. List the distinguished alumni of the department (maximum 10):**

S. No.	Name of Candidate	Organization Name	Designation
1	Dheeraj Yadav	Vaanix Ind. Pvt. Ltd	BDM
2	Munish Kumar Dhakar	Axis Bank	BDE
3	Bhupendra Singh	Dhanush Engg. Services India Pvt. Ltd.	Marketing and Human resource Executive
4	Satish Chaturvedi	Shriram General Insurance Company Limited	Management Trainee-Marketing
5	Shilpi Singhal	IFA Education Institutions	Counsellor
6	Kinshuk Saraswat	GE Capital	Team Leader
7	Pradep Singh	Axis Bank	Business Development Ex.

8	Geeta Rajput	Allen Career Institute, Kota	HR Executive
9	Mahesh Kumar Swami	Piramal Point of Care	---
10	Munish Kumar Dhakar	Axis Bank	BDE

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:**

S. No	Name of Conference	Date	Resource Person
1.	IPR cell inaugural	10 <sup>th</sup> May 2013	Mr. T Chadrashekhar (Commissioner, Patents)
2.	Workshop on Geographical Indications and Patent Rights	10 <sup>th</sup> May, 2013	Prof B P Sharma
3.	Intellectual Property Rights Workshop	20 <sup>th</sup> November, 2013	Mr. B P Singh, Mr. S K Verma
4.	45 Days Entrepreneurship Development Program	19 <sup>th</sup> Feb. 2014 - 3 <sup>rd</sup> April 2014.	Mr. Pramod Maheshwari (Chairman, Career Point University), Mr. M M Tripuri (Income Tax Commissioner), Mr. S S Jain (President, Mangalam Cement), Mr. K M Tandon (Vice President, DCM Shriram, Kota), Mr. L C Baheti (Chairman, Laghu Udyog Council), Mr. Govind Ram Mittal (President, Small Business),
5.	World IPR Day	26 <sup>th</sup> April, 2014	Ms. Vinita Sharma (Information Centre)
6.	World IPR Day	26 <sup>th</sup> April, 2015	Mr. K M Tandon (Vice President, DCM Shriram, Kota), Mr. L C Baheti (Chairman, Laghu Udyog Council)
7.	45 Days Entrepreneurship Development Program	19 <sup>th</sup> March 2016.- 2 <sup>nd</sup> May 2016	Mr. Vinoo Mehta (Vice President, DCM Shriram, Kota ), Mr. L C Baheti (Chairman, Laghu Udyog Council),

**45. List the teaching methods adopted by the faculty for different programmes:**

The Departments includes following teaching methods:

- Classroom teaching using smart boards, black boards and projectors.
- Experts/extension lecture for the specific topics by the academicians and industry persons.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Department has course coordinator for the each programme. The coordinators monitor the classes, attendance of the students as well as needs of the curriculum of the courses and they ensure the objectives of the programmes.

**47. Highlight the participation of students and faculty in extension activities:**

Many students of the department have actively participated in various extension activities such as NSS, games & sports. They also participate in other socially and ecologically relevant programmes such as plantation of trees, blood donation camps, swachhta abhiyan and rural literacy programme.

**48. Give details of “beyond syllabus scholarly activities” of the department:**

Department yearly organises the Entrepreneurship Development Programme for inculcating and developing entrepreneurial skills among the students. Similarly, Department also conducts various activities under Intellectual Property Rights Cell to create awareness among the students and others interested. Besides, it conducts monthly seminars on different topics pertaining directly or indirectly to the curricula of their concerned discipline. The department also provides opportunities of industrial visit to the students for practical exposure.

**49. State whether the programme/department is accredited/ graded by other agencies? If yes, give details : Nil**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

- The government of Rajasthan has sanctioned the establishment of Entrepreneurship and Small Business Centre to develop entrepreneurial skills and business acumen for motivating the learners to establish their own business ventures.
- No of extension lectures by the different eminent experts are arranged regularly for the benefit of the students on the

- contemporary topics related to the subjects.
- Soft skills development programmes are also arranged for personality development and communication skills among the students.
- The department has developed the Language Lab for the improving the English not only students of the department but also to the students of other department.
- Department has organised so many seminars on contemporary issues and allowed the students to participate and interact with experts invited from academic and corporate world.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**

- **Strength:**
  - The department has qualified and experienced faculty who are engaged in advance research.
  - The department has advanced English Lab.
  - The courses run by the department are as per the needs of the present society and are revised and updated regularly.
  - Examination scheme of the courses run by the department is semester scheme, hence continuous performance evaluation of the students is automatically done besides two internal test are conducted in each semester scheme for strengthening the continuous evaluation system.
  - Weekly seminars, quiz, debates, paper reading, ex tempore, management games, extension lectures are conducted from time to time to increase the knowledge of the students related to their syllabi.
  - DCM Shriram Consolidated Limited, an Industrial Concern offers scholarship to one meritorious student in each course run by the department (3 courses are being run in the department) every year.
  - The Institute of Company Secretaries of India (ICSI) has signed a MOU with the University for awarding gold medals in UG and PG courses run by Faculty of Commerce and Management every year and will provide scholarship to medal holders equal to the fee of the Institute for pursuing CS course.
  - The university has common placement cell for all departments.
- **Weaknesses:**
  - The number of permanent faculty is less in relation to the work load of the department.
  - There are no permanent non-teaching staffs in the department.
  - The university – industry is weak.

- **Opportunities:**
  - The department can merge as an important centre for learning and research for disseminating knowledge and providing consultancy in the state of Rajasthan.
  - There is a possibility of starting new courses in view of the requirement of the Hadoti region.
  - There is a possibility of developing a strong university – industry linkage as Kota is an industrial town with all kinds of infrastructural facilities.
  - There is an excellent opportunity to develop Entrepreneurial and Small Business Management in view of the requirement and government support.
  
- **Challenges:**
  - Inculcating and enhancing the employability skills of the learners as per the market needs
  - Maintaining the educational and research standards at par with national and global standards
  - Developing world class infrastructural facilities.
  - Managing and transforming knowledge explosion into economically viable and technically feasible educational and research modules for improving the well being of business, industry and society at large.
  - Developing new courses and making them attractive which are socio – economically relevant.

## **52. Future plans of the department:**

- The department proposes to start a new course on “Tourism and Travel Management”, for this course Indian Institute of Tourism and Travel Management, Gwalior has accorded sanction of Rs. 2 crore for building construction.
- The department is organising a National Seminar in collaboration with the Institute of Chartered Accountants of India, New Delhi in the month of July, 2016.
- The department has planned to organise a National Seminar on Contemporary Issues in Management in the next academic session.
- The department also proposes to conduct EDP programmes funded by DST, Rajasthan for creating awareness and developing entrepreneurial skills to the talented youth’s of the Hadoti region.
- The IPR cell of the University, under the department will organise many activities of the cell related right from awareness to applying for patents etc.



## Faculty of Social Sciences

- Department of Social Sciences
- School of Heritage, Tourism, Museology and Archaeology

## **Evaluative Report of the Department** **(from April 2012 to March 2016)**

1. **Name of the Department:**  
Department of Social Sciences
2. **Year of establishment:**  
2007
3. **Is the Department part of a School/Faculty of the university?**  
Yes
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., D.Sc., D.Litt., etc.):**

Level	Name of the Programme	Discipline / Subject
PG	M.A	Development Studies
	M.A. / M. Sc.	Geography
	M.S.W.	Master of Social Work
M. Phil.	M.Phil.	Political Science
		Geography
		History
		Sociology
Ph.D.	Ph.D.	Geography
		Sociology
5. **Interdisciplinary programmes and departments involved:**
  - M.A. Development Studies
  - Master of Social Work.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : Nil
7. **Details of programmes discontinued, if any, with reasons:**  
Diploma in Remote Sensing
8. **Examination System: Annual / Semester / Trimester / Choice Based Credit System** : Semester & Annual
9. **Participation of the department in the courses offered by other departments** : Actively Contributed and supported
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors / Asst. Professors / others):**

Positions	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	Nil	Nil
Associate Professors	02	Nil	Nil
Asst. Professors	03	03	03
Others	--	--	Nil

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

Name	Qualification	Designation	Specialization	No. of Yrs of Exp	No. of Ph.D. / M.Phil. students (last 4 yrs)
Prof. S.C. Rajora	M.A., Ph.D.	Professor (Retd. on 30 Sept. 2014)	Sociology	32	04 Guided 06 Enrolled
Dr J. P. Sharma	M.A., Ph.D.	Head & Assistant Professor	Geography	15	02 Enrolled
Dr V.K. Sharma	M.A., Ph.D.	Assistant Professor	Public Administration	08	Nil
Mr. K. R. Choudhary	M.A.	Assistant Professor	Economics	05	Nil

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil**

**13. Percentage of classes taken by temporary faculty – programme-wise information: 62 % and more in each programme.**

**14. Programme-wise Teacher to Student Ratio (Permanent Faculty):**

- M.A./M. Sc. Geography 1:10
- M.S.W 1:10
- Development Studies 1:06

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: Nil (2 persons hired through placement agency)**

**16. Research thrust areas as recognized by major funding agencies: Geography, Public Administration and Economics.**

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:**

UGC sponsored Minor Research Project on the topic "Economic, Social & Environmental Effects of Petroleum & Coal Production on Barmer District" submitted by Mr. K. R. Chuoudhary. Amount which has been sanctioned is 1.50 Lacs.

**18. Inter-institutional collaborative projects and associated grants received : Nil**

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil**

**20. Research facility / centre with**  
**a. state recognition**  
**b. national recognition**  
**c. international recognition : Nil**

**21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil**

**22. Publications:**  
**❖ Number of papers published in peer reviewed journals (national /international) : 09**

S. No.	Title of the paper	Authors	Name of the Journal	Vol.	Page	Year
1.	Perspectives on water Resources in Udaipur City	J.P.Sharma	Panacea	1(2)	24-30	2013
2.	Prashasan par Jan Niyantaran	Vikrant Sharma	Prashasnika	-	188	2012
3.	Rajasthan ki LokSeva Guarantee Kanon: Sushasanki Kunji	Vikrant Sharma	Shodh Shree	4	34	2012
4.	Rajasthan Prashasniksevaki Bharti Prakriya: Prariksha Pranalike Sandarbh me	Vikrant Sharma	Panacea International Research Journal	2	35	2013
5.	Rajasthan Right to Hearing Act: Law to lend & Ear to citizen	Vikrant Sharma	Proficient International Research Journal of Management			2012
6.	राज्य नीति निदेशक तत्व: आदर्श बनाम व्यावहारिकता	Vikrant Sharma	Shodh Shree			2016
7.	Arthik Sudharon Ka Divtiya Charan	Kishna Ram Choudhary	National Level Magazine	11	34-36	2012

			Pratiyogita Drishti Jaipur,			
8.	'Economic Liberalization and India's Economic Growth: A Sectoral Analysis'	Kishna Ram Choudhary, Dr. Deepakshi Saxena, & Mahendra Lomror.	Raj Yasthi (a journal of Rajasthan Political Science Association)	VI (4)		2013
9.	Rethinking Growth Strategy and Tribal Health in India	Kishna Ram Choudhary, Dr. Deepakshi Saxena, & Mahendra Lomror.	Raj Yasthi (a journal of Rajasthan Political Science Association)	VI (4)		2013

**❖ Conference Proceedings : 01**

S. No.	Title of the paper	Authors	Name of the Journal/Proceeding	Vol	Year
1	Jansankhya ki gatyatmakta: bundi jila ka ek addhayan	Dr.J.P. Sharma (First Author)	RGA-National Conference, Bundi, Oct- 2011	XI	2012

**❖ Monographs : Nil**

**❖ Chapters in Books : 11**

S. No.	Title of the Book/ Chapter	Authors	Name of the publisher	Edition	Page	Year
1	Dimensions of tourism in Udaipur City, Rajasthan	Dr.J.P.Sharma (Second Author)	Lambert Germany	2013	343-354	2013
2	Remote Sensing and Geographical Information System	Dr.J.P.Sharma (Second Author)	Rawat Publication	2014	214-225	2014

**❖ Edited Books : 04**

Dr. SC Rajora 04

**❖ Books with ISBN with details of publishers : Nil**

**❖ Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.): : Nil**

23. **Details of patents and income generated** : Nil
24. **Areas of consultancy and income generated** : Nil
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** Nil
26. **Faculty serving in**  
 (a) National committees (b) International committees (c) Editorial Boards d) any other (please specify) : Nil
27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**  
 Refresher / orientation programs
28. **Student projects:**  
 a. percentage of students who have done in-house projects including inter-departmental projects : Nil  
 b. percentage of students doing projects in collaboration with other universities / industry / institute : Nil
29. **Awards / recognitions received at the national and international level by**  
 a. Faculty : Nil  
 b. Doctoral / post doctoral fellows : Nil  
 c. Students : Nil
30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:**
- Lecture by Eminent Scholar Dr S.C. Sharma on Human Rights Day on 10/12/2012.
  - Workshop on Methodology & Practical Component of Sociology on 18 Dec 2012
  - Lecture by Eminent Scholar Prof. Inakshi Chaturvedi, Raj. Univ. on Human Rights Day on 10/12/2013.
  - National Seminar on Environmental Issues and Social Concerns on March 21-22, 2014.
  - National Seminar on Human Rights Day: Jammu-Kashmir: Facts, Challenges and Opportunity" on 10/12/2014.
  - National Seminar on Administrative Culture in India: Transparency and Accountability (In Context present statutory Acts) Feb. 16 & 17, 2015.

**31. Code of ethics for research followed by the departments intensive field and database work : None**

**32. Student profile programme-wise:**

Name of the Programme	Applications Received		Selected		Pass percentage	
	Year	No	Male	Female	Male	Female
M.A./M.Sc. Geography	2012-13	47	24	13	100	100
	2013-14	39	18	06	94.45	100
	2014-15	47	16	07	100	85.72
	2015-16	55	17	11	100	100
M.S.W.	2012-13	61	27	13	96.3	100
	2013-14	52	29	10	100	100
	2014-15	39	18	17	100	100
	2015-16	49	19	08	100	100
M. A. Development Studies	2012-13	--	--	--	--	--
	2013-14	31	10	02	67	100
	2014-15	55	05	01	100	100
	2015-16	39	21	--	100	--

**33. Diversity of students in year 2015-16):**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	--	--	--	--
PG	71%	24%	5%	Nil
Ph.D.	66.66%	33.33%	--	--
Other	--	--	--	--

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:**

S. No.	Name of Student	Department	Position Achieved	Place of Appointment	Placed by
1	Asma Khan	NMH (Medical & Health)	District I.E.C. Coordinator	Bundi	NHM
2	Bhuvnesh Sharma	WHO	Field Monitor	Kota	IPE Global Lakhnow
3	Fateh Singh	SAMS Delhi	Vaccine Cold Chain Manager	Jaipur	SAMS Delhi
4	Harish Gurbaxni	Ministry of Social Justice	Chair Person	Kota	Ministry of Social Justice
5	Nijam Ali	Jila Parishad	Dist.Programme Officer	Bundi	Jila Parishad
6	Satish Kumar Nagar	Jal Grahan Vikas Avam	WTT Sociologist	Jhalrapatan (Jhalawar)	Jila Parishad

S. No.	Name of Student	Department	Position Achieved	Place of Appointment	Placed by
		Bhu Sanrkshan			
7	Shraddha Dadhich	Panchayati Raj	L.D.C.	Kota	Panchayati Raj
8	Sumit Chaturvedi	Finance Dept.	L.D.C.	Kota	Finance Department
9	Meenakshi Sen	HR Admn. Pareek Alum	Project Officer	Dadra Nagar Haweli	Pareek Alumaneum
10	Manoj Kumar Sharma	Advertisement Dept.	M.D.	Kota	Resonance
11	Zahid Ali	Madrsha Education	Pera Teacher	Kota	Madrsha Board
12	Ankur Chaturvedi	Hindustan Zinc	Project Officer	Chittorgarh	Hindustan Zinc
13	Ankush Bhardwaj	School Education	II Grade Teacher	Bhawani Mandi	RPSC ajmer
14	Dependra Singh Khangarot	Ministry of Information of Brodcasting	Compiling Editor	Jaipur	Ministry of Infr
15	Mamta Kumari	Scatrait Jaipur	-	-	-
16	Paritosh	Medical Department	Block Programme Maneger	Taleda Bundi	NHUM
17	Munesh	Medical Department	Health Supervisor	Kota	NHUM
18	Neha Sharma	NHM (Medical & Health)	Asha Supervisor	Mandawara Kota	NHUM
19	Anis Mohammad	Rural Two Wheelers	Executive Officer	Chittarurgarh	HDFC
20	Arvind Kumar	Ministry of Rural Development	Community Organiser	Jhalawar	Vision India Pvt. Ltd.
21	Chetan Prakash Malviya	Education	Block Coordinator	Sujangarh, Churu	ICICI Foundation
22	Gourav Jain	Service Delivery	Activation Officer	Bundi	Idea
23	Inderjeet Verma	Gram Panchayat	Sarpanch	Dabalana, Distt. Bundi	CEO Rajasthan
24	Monika Pandey	MSW & MBA	Counsellor	Kota	VMOU, Kota
25	Rajendra Saini	Social Welfare Department, Rajasthan	Counsellor	Kota	Social Welfare Department, Rajasthan
26	Ramswaroop Meena	Saras Dairy	Supervisor	Bundi	Saras Dairy
27	Surendra Awasthi	School Education	IInd Grade Teacher	Khedameida Kathumber, Alwar	R.P.S.C. Ajmer
28	Shasikant	School	IInd Grade	Chirawal	R.P.S.C.

S. No.	Name of Student	Department	Position Achieved	Place of Appointment	Placed by
		Education	Teacher	Mali, Nagar, Bharatpur	Ajmer
29	Shelender	Education & Training	Educationist	Kota	Parivar Seva Clinic
30	Ved Prakash	Bank of Baroda	Clerk	Hanumangarh Town	I.B.P.S.
32	Vineeta Sharma	Education	Administrative Officer	Kota	Mahila, Bal Avam Wardh Vikash Sansthan
33	Virendra Singh	Arpan Seva Sanasthan	Community Organiser	Rajsmand	Arpan Seva Sanasthan
34	Preety Ahuja	Geography	II grade Teacher	Rajasthan	RPSC
35	Bhumika Pareta	Geography	Akashwani	Rajasthan	Akashwani
36	Pramod Kumar	Geography	Private Teaching	Rajasthan	Sacred Heart College
37	PushpaMeena	Geography	Lic Officer	M.P.	LIC Dept
38	Mukesh Kumar	Geography	Railway		Railway
39	Sumer Singh	Geography	Police	Rajasthan	Raj.Police
40	Rakesh Kumar	Geography	Police	Rajasthan	Raj.Police
41	Parasram	Geography	Police	Rajasthan	Raj.Police

**35. Student progression:**

Student progression	Percentage against enrolled
UG to PG	N/A
PG to M.Phil.	Nil
PG to Ph.D.	02%
Ph.D. to Post-Doctoral	Nil
Employed	
<input type="checkbox"/> Campus selection	Nil
<input type="checkbox"/> Other than campus recruitment	Nil
Entrepreneurs	Nil

**36. Diversity of staff:**

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	100%
from universities from other States	Nil
from universities outside the country	Nil

**37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : Nil**

**38. Present details of departmental infrastructural facilities with regard to**

- a. Library : No department Library  
 b. Internet facilities for staff and students : Wi-Fi Facility  
 a. Total number of class rooms facility : 05  
 b. Students' laboratories : 01  
 c. Research laboratories : Nil

**39. List of doctoral, post-doctoral students and Research Associates**

**a. from the host institution/university :**

Name	Title	Year	Research Supervisor
Sh. Govind Murtiya	Forest Conservation and Ecological Change (A Sociological Study of Different Dimension of Environment in South Rajasthan).	2005	Prof. S.C. Rajora
Sh.Raghunandan	Problems and Prospects of Aged".	2006	Prof. S.C. Rajora
Sh. P. M. Laxmikant Meena	Emerging Form of A Place of Pilgrimage Shri Mahaveerji in the Changing Scenario: A Sociological Study.	2009	Prof. S.C. Rajora
Sh. Anil Paul	Some Aspects of Theological Activities in Kota (A Comparative Study of Christian and Hindu Social Workers).	2009	Prof. S.C. Rajora
Ms. Naziya Khilzi	Siddha Yoga and social change (A sociological study of Yoga activities and its social impact in Kota District).	2013	Prof. S.C. Rajora
Ms. Sudeep Kaur	Changing patterns of religious practices among the Sikh community (A comparative study of Kota and Amritsar).	2013	Prof. S.C. Rajora
Mr. Pramod Kumar	कोटा व बून्दी नगरों के नगरीकरण का तुलनात्मक अध्ययन Comparative Study of Urbanization of Kota and Bundi City)	2016	Dr. J.P. Sharma
Mr. Sudheer Choudhary	कोटा नगर में जनसंख्या संरचना में परिवर्तन एवं पर्यावरण पर प्रभाव (1991-2011) (Change in population structure of kota City and effect on environment (1991-2011)	2016	Dr. J.P. Sharma

**b. from other institutions/universities : Nil**

**40. Number of post graduate students getting financial assistance from the university.**

Students are taking financial assistance from Samaj Kalyan Vibhag.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology : None

42. Does the department obtain feedback from:

i. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes; the feedback is utilized in improvement of curriculum as well as teaching-learning

ii. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes; the feedback is utilized in improvement of curriculum as well as teaching-learning

iii. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes, the feedback is utilized in improvement of curriculum as well as teaching-learning.

43. List the distinguished alumni of the department (maximum 10):

S. No.	Name of Student	Deptt.	Position Achieved	Placed by
1	Manoj Kumar Sharma	Advertisement Dept.	M.D.	Resonance
2	Harish Gurbaxni	Ministry of Social Justice	Chair Person	Ministry of Social Justice
3	Asma Khan	Medical & Health	District I.E.C. Coordinator	NHM
4	Fateh Singh	SAMS Delhi	Vaccine Cold Chain Manager	SAMS Delhi
5	Pramod Kumar	Geography	Private Lecturer	University of Kota, Kota
6	PushpaMeena	Geography	Lic Officer	LIC, India Bhopal.
7	Ankur Chaturvedi	Hindustan Zinc	Project Officer	Hindustan Zinc
8	Ankush Bhardwaj	School Education	II Grade Teacher	RPSC Ajmer
9	Surendra Awasthi	School Education	IInd Grade Teacher	R.P.S.C. Ajmer
10	Shasikant	School Education	IInd Grade Teacher	R.P.S.C. Ajmer

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts : Nil

45. List the teaching methods adopted by the faculty for different programmes: Smart boards, Charts, Maps, Instruments and Field work etc.

- 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**  
Discussion with students and by term tests.
- 47. Highlight the participation of students and faculty in extension activities:** Students as well as staff actively participate in activities.
- 48. Give details of “beyond syllabus scholarly activities” of the department:** Discussion and celebration of important days for awareness.
- 49. State whether the programme/department is accredited/ graded by other agencies? If yes, give details** : Nil
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**  
The Department of Social Sciences contributes to the University and the society in the field of economics, geography and public administration by providing recent knowledge.
- 51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**
- Strength:**
- Available Faculty (three assistant professors only) is young and well qualified.
  - Syllabus of the running courses is contemporary and comprehensive.
  - In teaching as well as field work updated techniques are used.
  - Suitable class rooms and reasonably equipped geographical lab is available.
  - Uses of updated technology in teaching as well as field work.
- Weaknesses:**
- Lack of adequate teaching staff is the greatest weakness of the department.
  - The functioning of the department of social Sciences as regards processing of files, maintenance of records, receipt and despatch of letters etc, is handicapped due to non availability of regularly appointed office staff, even the minimum core office help is lacking. The experience with casual appointment of staff through outside agencies is not satisfactory.
  - No Separate departments for various academic disciplines of the social science. The academic disciplines namely Geography, Public Administration, Economics, Political Science, History and

Sociology have their own extensive fields of operation and deserve to be managed independently. This is the position in other Universities.

- Teaching posts are vacant against sanctioned posts.
- Course fees are very high as compared to other Govt. Institutions.

**Opportunities:**

- The student may work for the society as ' Social work' after completing the courses.
- For making NGO by doing the courses of the department.
- Female literacy is gradually rising in Rajasthan, more so in Hadoti region. There is good opportunity to attract female student as there is no gender discrimination regarding access to higher education.
- Kota is well connected with road and rail communication .It is likely to get air connectivity also in the very near future. As such, there is good opportunity to attract eminent persons visiting professors to utilise their expertise.

**Challenges:**

- Lack of core staff both at the faculty and the office level is a serious handicap for the effective and efficient performance of the departmental obligations.
- Dependency on Guest Faculty. At present about 75% work of teaching is being carried out with the help of guest faculty. This methodology to handle PG courses can hardly lead to higher academic attainments. No research can be done in this situation.
- Single faculty with excess workload. The burden of administrative work load of the department on single faculty spares no time for academic study and research work
- Limitation of funds for various needs of the department is also affecting its functioning.

**52. Future plans of the department:**

S. No.	Components	Plans(Long/Short term)
1	Infrastructure	<ul style="list-style-type: none"> <li>• New Equipments shall be purchased for Geography Laboratory</li> <li>• Department wing development, Beautification, etc.</li> <li>• Digitization of books, journals, Theses under departmental library</li> <li>• New books are to be purchased.</li> <li>• Smart reading room will developed.</li> <li>• Minimum infrastructure will develop for establishment of departmental library.</li> </ul>

2	Research, Innovation and quality improvement	<ul style="list-style-type: none"> <li>• Research hubs/parks</li> <li>• Procure high quality e-resources</li> <li>• Upgrade library and laboratory facilities.</li> <li>• Exposure visits for both faculty and students</li> <li>• Faculty and students exchange programmes.</li> <li>• Initiatives to scale up industry-academia partnership.</li> <li>• Promotion of inter-disciplinary and trans-disciplinary research centres</li> <li>• Promotion of research and entrepreneurial activities.</li> <li>• Support different types of research programs- Base Research, Key Technology (R &amp;D)</li> </ul>
3	Equity Initiatives	<p>Equity Programme</p> <ul style="list-style-type: none"> <li>• Equal opportunity cells</li> <li><input type="checkbox"/> Remedial classes, language labs, etc.,</li> <li><input type="checkbox"/> Innovative schemes/programmes to enhance equity and inclusion</li> <li>• Equity and gender sensitization campaigns</li> </ul>
4	Faculty Recruitment Support	<p>Recruitment (A) (in Present status)</p> <p>Recruitment (B) (demand for better development)</p> <ul style="list-style-type: none"> <li>• Recruitment of faculty under six different departments/subjects of social sciences like- Geography, History, Political Science, Economics, Public, Administration Sociology</li> </ul> <p>01 Professor, 02 Associate Professor, 03 Assistant Professor in each department</p>
5	Faculty Improvement	Promote Research Oriented Faculty Development Programmes
6	Vocationalization of Higher Education	Vocational Training Centre
7	Leadership Development of Educational Administrators	Administrative Quality development Programme.
8	Management Information System	Training and establishment for Management and Information System

## **Evaluative Report of the Department** **(from April 2012 to March 2016)**

1. **Name of the Department:**  
School of Heritage, Tourism, Museology and Archaeology
2. **Year of establishment:** 2010
3. **Is the Department part of a School/Faculty of the university?**  
Faculty of Social Sciences
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.):**  
M.A. in Heritage, Tourism, Museology and Archaeology
5. **Interdisciplinary programmes and departments involved:** No
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** No
7. **Details of programmes discontinued, if any, with reasons:** NA
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments** : No
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):**

Positions	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	--	--
Associate Professors	1	--	--
Asst. Professors	2	--	--
Others	-	--	--

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D./ M.Phil. students guided (last 4 yrs)
Dr.M.L. Sahu	M.A., Ph.D.	Retired	History	34	5

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors, guest faculty:**

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D./ M.Phil. students guided (last 4 yrs)
Dr. Arvind Saxena	M.A. , Ph.D	Retired	History	34	8

**13. Percentage of classes taken by temporary faculty – programme-wise information** : 100%

**14. Programme-wise Teacher to Student Ratio** : 1:2.5

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual** : NA

**16. Research thrust areas as recognized by major funding agencies:**  
Conservation and proliferation of Art, Culture and Indian Heritage through innovative technologies instead of old mythology

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:**

Dr. Anukriti Sharma, Associate Professor: Research Award, Funded by U.G.C., New Delhi

Dr. Surabhi Srivastava: Post Doctoral Fellow: Tourism, U.G.C., New Delhi

**18. Inter-institutional collaborative projects and associated grants received**

(a) National collaboration : Nil

(b) International collaboration : Nil

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received** : Nil

**20. Research facility / centre with**

a. state recognition : Nil

b. national recognition : Nil

c. international recognition : Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies** : Nil

- 22. Publications:**  
 \* Number of papers published in peer reviewed journals (national / international) : 15  
 \* Monographs : Nil  
 \* Chapters in Books : 08  
 \* Edited Books : 05  
 \* Books with ISBN with details of publishers : Nil  
 \* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.) : Nil
- 23. Details of patents and income generated** : None
- 24. Areas of consultancy and income generated** : None
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** Nil
- 26. Faculty serving in**  
 (a) National committees : Nil  
 (b) International committees : Nil  
 (c) Editorial Boards : Nil  
 (d) any other (please specify) : Nil
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**  
 Nil
- 28. Student projects**  
 a. percentage of students who have done in-house projects including inter-departmental projects : Nil  
 b. percentage of students doing projects in collaboration with other universities / industry / institute : Nil
- 29. Awards / recognitions received at the national and international level by**  
 a. Faculty : Nil  
 b. Doctoral / post doctoral fellows : Post Doctoral fellow:  
 1<sup>st</sup> prize researcher winner of west zone in Anveshan organise by AIU at Bikaner University, Bikaner.  
 c. Students : Nil
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any** : None

31. Code of ethics for research followed by the departments : Nil

32. Student profile programme-wise:

Name of the Programme M.A Heritage	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2012-13	21	14	1	90%	100%
2013-14	13	10	1	90%	100%
2014-15	25	13	3	80%	100%
2015-16	22	8	2	100%	100%

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	--	--	--	--
PG	60%	40%	-	-
Ph.D.	--	--	--	--

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise : None

35. Student progression :

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	--
• Other than campus recruitment	15%
Entrepreneurs	--

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	--
from other universities within the State	100%
from universities from other States	--
from universities outside the country	--

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : None

**38. Present details of departmental infrastructural facilities with regard to**

- a. Library : 50 Books
- b. Internet facilities for staff and students : Wi-fi facility
- c. Total number of class rooms facility : 2 Class room
- d. Students' laboratories : Nil
- e. Research laboratories : Nil

**39. List of doctoral, post-doctoral students and Research Associates**

- a. from the host institution/university : Nil
- b. from other institutions/universities : 01

**40. Number of post graduate students getting financial assistance from the university** : None

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology** : None

**42. Does the department obtain feedback from**

- i. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : None
- ii. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : None
- iii. alumni and employers on the programmes offered and how does the department utilize the feedback? : None

**43. List the distinguished alumni of the department (maximum 10)**

Name	Position	Working at
Gaurav Bharadwaj	Customer Relation Manager	Air India, New Delhi
Archana Sisodia	Reservation Manager	Travel Agency, New Delhi
Rinkesh	Manuscript Conservator	Anklank Shodh Sansthan, Kota

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Date	Resource Person	Topic
10 August, 2015	Prof. Kamlesh Sharma, VMOU, Kota	Seminar: Bharat ki Sanskritik virasat avam akhand bharat

**45. List the teaching methods adopted by the faculty for different programmes:**

Class room lecture, Smart board, Power point method, visiting museums and other related sites to understand the concepts.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

Our objectives are to prepare our students for self employment and aware them about all the possibilities regarding the related industry. Through visiting museums and other related sites and interacting with the industry people department is providing a path to fulfil our objectives.

**47. Highlight the participation of students and faculty in extension activities:**

For practical experiences department had planned many educational tour to various heritage sites where teachers and students interact and learn practical aspects of the industry.

**48. Give details of “beyond syllabus scholarly activities” of the department:**

Tourism is a subject which always goes beyond the syllabus. Educational tour to rock paintings or to village or to museum or any fort always gives positive impact on the students.

**49. State whether the programme/department is accredited/ graded by other agencies? If yes, give details: No**

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

The department initiated Agritourism at the village ‘Dungrajya village’ to provide another source of earning to the youth of working at the agricultural land.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**

• **Strength:**

The student has three major industry options: Archaeology, Museums and Tourism. Practical training of conservation, escorting, understanding of travel agency management provides a path to the students for self employment and also various job opportunities.

• **Opportunities:**

Heritage /Historical / Rural tourism, techniques of Conservation of tangible heritages are few of the various research areas which could be developed and bring something new to the society.

• **Weakness:**

No permanent faculty members as per requirements.  
No regular technical / supporting staffs appointed.

- **Challenges:**

Lack of human resources is the major challenge for the department. This department needs lots of practical training which becomes difficult in the absence of full time faculty members.

**52. Future plans of the department:**

- Development of research centre, conservation centre & a heritage museum
- Plan to start new certificate job oriented courses.



## Faculty of Education

- **Department of Physical Education**

## **Evaluative Report of the Department** **(from April 2012 to March 2016)**

1. **Name of the Department:**  
Department of Physical Education & Sports
2. **Year of establishment:**  
2005-2006
3. **Is the Department part of a School/Faculty of the university?**  
Faculty of Education
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**  
Master of Physical Education (M.P.Ed.)
5. **Interdisciplinary programmes and departments involved:** None
6. **Courses in collaboration with other universities, industries, institutions, etc.** : None
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System- Semester System.**
9. **Participation of the department in the courses offered by other departments** : None
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):**

Positions	Sanctioned	Filled	Actual (including CAS & MPS)
Director	--	--	--
Deputy Director	--	--	--
Asst. Director	1	1*	--
Others	-	--	--

\* Filled on adhoc / contract basis.

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:**  
Guest Faculty as per UGC Norms.

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D./ M.Phil. students guided (last 4 yrs)
Dr. Vijay Singh	M. P.Ed., NET, SLET, Ph.D., NIS (Football)	Director, Physical Education & Sports	Excercise Physiology, Sports Training, Football, Hockey, Athletics	18	01
Dr. Dharendra Saxena	M. P.Ed., Ph.D.	Retd. Sports Officer	Physical Education	35	--
Dr. Ummed Singh	M. Com., Ph.D.	Retd. Reader	Commerce	30	--
Shri M.L. Gautam	M.Ed.	Ex. Dean, Faculty of Education	Psycology	35	--
Mrs. Anjali Saxena	M.Sc., SLET	Counsellor	Sports Medicine	07	--
Shri R.P. Yadav	M.A., PG D.P.Ed.	Counsellor and Rtd. Sports Officer	Health Education	34	--

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:**

- Prof. B.S. Rathore, Ex Dean, Faculty of Education, University of Rajasthan, Jaipur.
- Prof. C.S. Bhati, Retd. Professor, JNV University, Jodhpur.

**13. Percentage of classes taken by temporary faculty – programme-wise information:** 75% Classes by guest faculty.

**14. Programme-wise Teacher Student Ratio:** 1:13

**15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:**

Name of Posts	Sanctioned	Filled	Actual
<b>Administrative / Office Staff</b>			
(i) Section Officer	Nil	Nil	Nil
(ii) UDC	01	01	01
(iii) LDC	Nil	Nil	Nil
(iv) Office Assistant	Nil	Nil	02*
(v) Sweeper	Nil	Nil	Nil

\* Employed through adhoc / contract.

**16. Research thrust areas as recognized by major funding agencies**

All Sports and games area.

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise** : None

18. **Inter-institutional collaborative projects and associated grants received** : None

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:**  
The Department has received grant of Rs. 175 Lakhs from UGC, New Delhi under XII plan 2012-17 for development of sports infrastructure as 8-Lane swimming pool and outdoor play field in University campus.

20. **Research facility / centre** : None

21. **Special research laboratories sponsored by / created by industry or corporate bodies** : None

22. **Publications:**  
**\* Number of papers published in peer reviewed journals: 02**

S. N.	Title of the Paper	Journal	Vol	Page	Year	ISSN/ISBN
01	Wellness is an Alternative Medicine	Human Kinetics	01	65 - 68	Dec. 2012	0976-6588
02	A Study of common football injuries there treatment & rehabilitation among inter University players of India	Indian International Journal of Education Research	01	29 - 34	June 2013	2321-3523

23. **Details of patents and income generated** : None

24. **Areas of consultancy and income generated** : None

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** None

26. **Faculty serving in**  
(a) National committees (b) International committees  
(c) Editorial Boards (d) any other (please specify)  
Dr. Vijay Singh-Member of editorial board of SPACE: A Journal of Physical Education and Sports, published from BNCPE, MLS University, Udaipur.

**27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**

S. No	Recharging strategies	Duration	Organized by	Faculty
1	Orientation Program	15 Feb. to 12 March, 2016	93rd Orientation Programme of UGC-HRDC, Jodhpur at University of Kota	Dr. Vijay Singh

**28. Student projects** : None

**29. Awards / recognitions received at the national and international level by the students:**

- The University Badminton (W) team has qualified for participation in inter Zonal tournament and stood at third place in Inter-University West Zone Badminton (W) tournament 2013-14 held at RTU , Kota.
- Ms. Monika Malav, a student of Govt. College, Kota and member of the University Judo team won the Gold medal in 48 kg. weight category in All India inter-university Judo (w) tournament held at Punjab University, Chandigarh in 2012-13 Session.
- Mr. Sompal Punia, a student of Ranthmbore P.G. College, Sawai madhopur & member of University Athletic team won Silver medal in 5000 meter & 10,000 meter race in All India inter-university Athletics (m) held at Kalyani University, Kalyani (WB) in 2012-13 Session.
- Mr. Sunil Malik, a student of Sacred Heart College, Kota and member of University Boxing (m) team won Bronze medal in 81 kg. Weight category tournament held at Bilaspur University, Bilaspur (CG) in 2012-13 session.
- University Judo team won the team championship in all India Inter-University Judo women tournament held at T.M. University Pune (Maharashtra) in 2011-12 Session.
- Ms. Gagandeep Kaur, a student of Department of Physical Education, M.P.Ed. (Final) won two Gold medals in all India Judo (W) tournaments in 63 kgs and open weight category. For her splendid achievement, the University has given her Rs.51000/-, cash prize besides the tracksuit in 2011-12 Session.
- Ms. Rekha Rathod, a student of J.D.B. Girls College, Kota and a member of the University team won the Silver medal in all India Wrestling (W) tournaments in 52 kgs weight category. Tournament held at Ch.D.L. University, Sirsa in 2011-12 session.
- Ms. Monika Malav, a student of Govt. College, Kota & a member of the University Judo team won the Bronze medal in all India Judo

(W) tournament in 48 kg weight category held at T.M. University, Pune in 2011-12 Session.

- Ms. Gagandeep Kaur, a student of M.P.Ed. and a member of University team, won the 'Gold Medal' in All India Inter-University Judo Championship 2010-11 in open weight category & up to 57 kgs weight category held at Pune University, Pune.
- The University team 'Ranked Second' (Runner-up) in All India Inter-University Judo Championship 2010-11.

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any** : None

**31. Code of ethics for research followed by the departments** : None

**32. Student profile programme-wise:**

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M.P.Ed.	2012-13	130	28	10	100.00	100.00
	2013-14	103	15	09	80.00	88.88
	2014-15	92	31	11	100.00	90.90
	2015-16	128	32	08	93.10	100.00

**33. Diversity of students (2015-16):**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	--	--	--	--
M.P.Ed.	35.00	55.00	10.00	--

**34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations during last four years? Give details category-wise:**

S. No.	Category / Types of Exam.	Number of Selection
1.	NET	03
2.	SET	06
3.	RPSC-College Lecturer	--
4.	RPSC-School Lecturer	85

**35. Student progression:**

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil.	--

PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
<input type="checkbox"/> Campus selection	15.00
<input type="checkbox"/> Other than campus recruitment	56.66
Entrepreneurs	--

**36. Diversity of staff:**

Percentage of faculty who are graduates	
of the same university	--
from other universities within the State	100.00%
from universities from other States	--
from universities outside the country	--

**37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period** : None

**38. Present details of departmental infrastructural facilities with regard to**

- a. Library : None
- b. Internet facilities for staff and students : Yes
- c. Total number of class rooms facility : 2 class room
- d. Students' laboratories : 04
- e. Research laboratories : None

**39. List of doctoral, post-doctoral students and Research Associates:**  
None

**40. Number of post graduate students getting financial assistance from the university** : None

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology** : None

**42. Does the department obtain feedback from:**  
Director, Department of Physical Educations takes oral feedback from the students.

**43. List the distinguished alumni of the department (maximum 10):**

S. N.	Name of Student	Post	Working at
i.	Mr. Ashish Saxena	PET	Govt. Sr. Sec. School, Kishanpura Takiya, Kota
ii.	Mr. Ganesh Sharma	PET	Govt. Sr. Sec. School, Dausa
iii.	Mr. Mohd. Aslam	PET	Govt. Sr. Sec. School, Sadri

iv.	Mr. Avinash	PET	Govt. Sr. Sec. School, Kota
v.	Mr. Mohd. Imran	PET	Govt. Sr. Sec. School, Akola, Chittorgarh
vi.	Mr. Prasun Sharma	PET	Govt. Sr. Sec. School, Singhpur, Chittorgarh
vii.	Mr. Arjun Singh	PET	Govt. Sr. Sec. School, Baingu, Chittorgarh
viii.	Mr. Mrigendra Singh	PET	Govt. Sr. Sec. School, Lalpura, Bundi
ix.	Mr. Ajit Kumar	PET	Govt. Sr. Sec. School, Sanganer, Jaipur
x.	Mr. Kailash Meena	PET	Govt. Sec. School, Pidawa, Jhalawar

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts : None**

**45. List the teaching methods adopted by the faculty for different programmes:**

Following methods are being adopting during the teaching of subjects and sports & games:

- a. Demonstration method
- b. Mass demonstration method
- c. Coping method
- d. Learning by doing method
- e. Lecture method
- f. Mute method

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Qualified coaches and sports officers give the scientific sports training to enhance the sports performance by using various methods and apparatus regarding sports. Learning outcomes are monitored externally by parameters such as endurance, strength, speed, flexibility, coordinative ability.
- Qualified coaches, sports officers and specialists of various sports and games teach the students of M. P. Ed. about rules and regulations of the sports and games.

**47. Highlight the participation of students and faculty in extension activities:**

- University Sports Board sends various sports and games teams to participate in all India inter-university and West Zone Tournament about in 35 various disciplines.
- University Sports Board organizes inter-college tournaments every year in 35 various disciplines.

**48. Give details of “beyond syllabus scholarly activities” of the department:**

- The Department organizes coaching camps for players of various sports and games
- The Department organizes blood donation camps
- The students and faculty members of the Department are actively participating in *Swachch Bharat Abhiyan* and plantation programmes

**49. State whether the programme/department is accredited / graded by other agencies? If yes, give details:**

Yes, the Department has NCTE recognition as per the recommendations of the Minutes of 252nd Meeting of the NRC, NCTE, Jaipur held from April 19th to May 2nd, 2016 (Part-2).

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**

The Department is conducting extension lectures regularly on DOPPING: A black shadow on sports and motivating the students for research towards emerging areas such as sports biomechanics, exercise physiology, scientific principles of sports training and psychology of physical education and other thrust areas of the physical education. The Department trains the students of M.P.Ed. about conducting the inter-university and inter-collegiate tournaments and interenship programmes also.

**51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC):**

- **Strength:**
  - Creating physical culture among youth
  - Developing social cohesion in society
  - Doing work for better sportsmanship continuously
  - Proper emphasis on to won the medals and championships at university, state and national level.
  - University Sports Board provides the platform to sports officers and coaches for gaining latest changes in rules and regulations.
- **Weaknesses:**
  - Lacking of regular faculty, coaches, technical and supporting staff.
  - M.P.Ed. course is running under self finance scheme.

- **Opportunities:**
  - Implements the government schemes related to the sports and physical education.
  - University Sports Board provides the opportunities to the students of the University teaching departments and affiliated colleges for active participation in all India inter-university and inter-collegiate tournaments.
  - The students of the Department have the opportunities for direct selection in various companies / institutions through campus interviews.
  
- **Challenges:**
  - Unable to provide quality education due to insufficient faculty and staff.
  - Most of the students of the Department have weak communication skills that affect the overall development of students which is required for sports personality.

**52. Future Plan of the Department:**

The Department of Physical Education and Sports is planning to start following programmes:

- Bachelor of Physical Education and Sports (B.P.E.S.)
- Diploma Course in Yoga Education (D. Y. Ed.)
- Certificate Course in Yoga Education (C. Y. Ed.)



## Faculty of Law

- **Department of Law**

## **Evaluative Report of the Department** **(from April 2012 to March 2016)**

1. **Name of the Department** : Department of Law
2. **Year of establishment** : 2005-2006
3. **Is the Department part of a School/Faculty of the university?**  
Faculty of Law
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)** : LL.M. & Ph.D.
5. **Interdisciplinary programmes and departments involved:** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : None
7. **Details of programmes discontinued, if any, with reasons** : Nil
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:** Semester System.
9. **Participation of the department in the courses offered by other departments** : None
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Prof./others):** All Guest Faculty.
11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:** Guest Faculty as per UGC Norms.

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. Arun Kumar Sharma	LL.M., Ph.D.	Co-ordinator LL.M.	Torts & Crim	35 Years	--

12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors, and guest faculty:** Dr. Arun Kumar Sharma and 07 guest faculty

13. **Percentage of classes taken by temporary faculty – programme-wise information:** 100% Classes by guest faculty.
14. **Programme-wise Teacher Student Ratio:** 1:5.12
15. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual :** Nil
16. **Research thrust areas as recognized by major funding agencies:**  
All legal areas.
17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise :** Nil
18. **Inter-institutional collaborative projects and associated grants received (a) National collaboration(b) International collaboration:** Nil
19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received :** Nil
20. **Research facility / centre with (a) state (b) national (c) international recognition :** Nil
21. **Special research laboratories sponsored by / created by industry or corporate bodies :** None
22. **Publications:**
  - \* Edited Books: Dr. Arun Kumar Sharma revised author of six Law books.
  - \* Books with ISBN with details of publishers: Book on Jail administration by Dr. R.K. Upadhyaya
  - \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database, International Social Sciences Directory, EBSCO host, etc.) : Nil
23. **Details of patents and income generated :** Nil
24. **Areas of consultancy and income generated :** Nil
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** Nil
26. **Faculty serving in**  
(a) National committees (b) International committees (c) Editorial Boards (d) any other (please specify) : Nil

27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**  
Nil

28. **Student projects -**  
 a. percentage of students who have done in-house projects including inter-departmental projects : Nil  
 b. percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. **Awards / recognitions received at the national and international level by (a) Faculty (b) Doctoral / PDF (c) Students** : Nil

30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any** : Nil

31. **Code of ethics for research followed by the departments:** As per norms

32. **Student profile programme-wise:**

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
LL.M.	2012-13	29	19	10	--	--
	2013-14	28	8	6	--	--
	2014-15	29	8	6	--	--
	2015-16	37	17	10	--	--

33. **Diversity of students (2015-16):**

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	--	--	--	--
PG	100%	--	--	--

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise** : Nil

35. **Student progression:**

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--

Employed	
• Campus selection	--.
• Other than campus recruitment	N.A.
Entrepreneurs	--

**36. Diversity of staff:**

Percentage of faculty who are graduates	
of the same university	--
from other universities within the State	100.00%
from universities from other States	--
from universities outside the country	--

**37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** Out of guest faculty Dr R.K. Upadhyaya

**38. Present details of departmental infrastructural facilities with regard to**

- a. Library : central library
- b. Internet facilities for staff and students : wi-fi facility available
- c. Total number of class rooms facility : 2 class room
- d. Students' laboratories : Nil
- e. Research laboratories : Nil

**39. List of doctoral, post-doctoral students and Research Associates**

- a. from the host institution/university : Nil
- b. from other institutions/universities : Nil

**40. Number of post graduate students getting financial assistance from the university** : None

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology** : None

**42. Does the department obtain feedback from -**

- i. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : None
- ii. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : Co-ordinator gets the feedback from students and faculty.
- iii. alumni and employers on the programmes offered and how does the department utilize the feedback? : None

43. **List the distinguished alumni of the department (max. 10):** N.A.
44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts :** None
45. **List the teaching methods adopted by the faculty for different programmes:** Class teaching and discussion.
46. **How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**  
The Department emphasize on the regular development and modification of the curriculum and teaching methodologies to produce good law postgraduates and legal experts.
47. **Highlight the participation of students and faculty in extension activities:** Students as well as staff actively participate in the all activities conducted by the University.
48. **Give details of “beyond syllabus scholarly activities” of the department:** Discussion and celebration of important days for awareness among the students.
49. **State whether the programme/department is accredited/ graded by other agencies? If yes, give details** : Nil
50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied:**  
The faculty members of the Department interact with the students on recent issues such as IT act, IPR, cyber law, human rights, *etc.*
51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**
- Good number of good students available in Kota
  - Academic environment in Kota
  - Infrastructure available for the students
  - advocates Bar quite strong and large in number
  - Good transport connectivity
  - Present weakness – No permanent faculty
52. **Future Plan of the Department**  
A fully fledged law departments consisting-
- LL.B. (3 Years course),
  - LL.B. (5 Years Course),
  - Diplomas in legal fields,
  - LL.M. & Ph.D.



## University Offices

- **Dean, Postgraduate Studies**
- **Dean, Students' Welfare**
- **Directorate of Research**
- **National Service Scheme**
- **Estate**
- **Proctor**

## Office of the Dean, PG Studies:

### **Vision:**

To inculcate a sense of academic understanding and development of learning perfect skills amongst the academic youth coming in contact with the University for one's own upliftment.

### **Mission:**

To co-ordinate one and all at the three tier level viz youth, faculty and management with full zeal and enthusiasm to empower the youth.

### **Objectives:**

- To create awareness amongst women about the problems faced by working women.
- To create an environment of gender justice where men and women work together with a sense of personal security and dignity.
- To disseminate knowledge about rights and laws related to women.
- To create a sense of responsibility in the student and have healthy.
- To enhance the self-esteem and self-confidence of girl students, women faculty and staff in the University.

Office got its establishment during the year 2007 with Prof. K. C. Goyal as its first Dean who continued up to 2009 and handed over his charge to an eminent chemical scientist of international repute Prof. Ashu Rani. Office since its establishment besides its routine official work performed activities related to coordination of various departments, UGC Projects, Scholarship like UGC / CSIR-JRF / SRF / RA, UGC-Rajiv Gandhi National Fellowship, DST-Inspire Fellowship, etc. Other than the assigned routine tasks of the office itself the courses related to self finance Scheme like M. Sc. Life Science, M.A. in Heritage, Tourism, Museology & Archaeology, LLM, etc. are running by this office. Coordination with all the affiliation colleges with the University is handled by this office. (all the scholarship by the Government of Rajasthan, UGC, CSIR, ICMR and other scientific and academic bodies are also dealt with this office).

## Office of the Dean, Students' Welfare:

The office of student's Welfare functions for the overall benefit and welfare of the student community of the University. The office fully addresses the social and academic concerns of students via interaction in different forms since its inception in 2007. Various Activity / Units of the office of DSW are as under:

### ■ **Annual e-news magazine:**

The office intends to publish an annual magazine for the first time which contains various library and research articles written by students/teachers. The magazine shall promote the art and habit of writing among the student of the University.

- **Anti-ragging Squad:**  
 Since the ragging is a Social & Criminal Offence, therefore, to curb ragging in the University Campus squad under the office of the DSW has been constituted compliance with the Government of India and UGC direction.
- **Placement & Counseling Cell:**  
 the placement & Counseling Cell has come into existence since 2012 to empower the student to achieve professional and personal success in dynamic careers and in a divers global society by providing a comprehensive and supportive educational experience and encouraging lifelong learning.
- **Student's Grievance Cell:**  
 Students Grievance Cell looks after the Grievance of the students and act as a bridge between the University authorities and the students. The cell works in the convener-ship of the DSW. Apart from the above mentioned activities the office of the DSW takes cares of the scientific events, students' union elections, Culture and sports activities in the University.

### **Directorate of Research:**

University of Kota, Kota offers M.Phil./Ph.D. Degree program in accordance to UGC (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degree) Regulation, 2009. The Directorate of Research at University of Kota has nurtured excellence in research, and creative activity across the entire University and its affiliated colleges. Directorate is working continuously towards the development and refinement of research policies as per the UGC guidelines. After qualifying the entrance examination of M. Phil. / Ph.D. by the candidate, the Directorate allocates supervisors to the qualified candidates for the research and continuously monitors the progress of the research and related works during his/her M. Phil. / Ph.D. in various faculties. On completion of the dissertation / research work, Directorate made arrangements for evaluation of the dissertations / theses and thereafter arrangement of examination of the successful candidates in evaluation.

### **National Service Scheme (NSS):**

National Service Scheme under the Ministry of Youth Affairs & Sports, Govt. of India, popularly known as NSS was launched in Gandhi's birth centenary year 1969. The primary aim of NSS is to develop personality of students through community service.

#### **Objectives:**

- Understand the community in which they work.
- Understand themselves in relation to their community.
- Identify the needs and problems of the community and involve them in problem-solving.

- Develop among them a sense of social and civic responsibility.
- Utilise their knowledge in finding practical solutions to individual and community problems.
- Develop competence required for group-living and sharing of responsibilities.
- Gain skills in mobilising community participation.
- Acquire leadership qualities and democratic attitudes.
- develop capacity to meet emergencies and natural disasters and
- Practise national integration and social harmony.

**Motto:**

The Motto of NSS "Not Me But You", reflects the essence of democratic living and upholds the need for self-less service. NSS helps the students develop appreciation to other person's point of view and also show consideration to 'other living beings. The philosophy of the NSS is well doctined in this motto, which underlines/on the belief that the welfare .of an individual is ultimately dependent on the welfare of the society on the whole and therefore, the NSS volunteers shall strive for the well-being of the society.

**Symbol:**

The symbol for the NSS has been based on the giant Rath Wheel of the world famous Konark Sun Temple (The Black Pagoda) situated in Orissa, India. The wheel portrays the cycle of creation, preservation and release and signifies the movement in life across time and space. The symbol thus stands for continuity as well as change and implies the continuous striving of NSS for social change.

**Badge:**

The NSS Symbol is embossed on the badge. The eight bars in the wheel represent the 24 hours of a day. The red colour indicates that the volunteer is full of young blood that is lively, active, energetic and full of high spirit. The navy blue colour indicates the cosmos of which the NSS is tiny part, ready to contribute its share for the welfare of the mankind. **Following camps are conducted by the NSS:**

- Cleaning camps
- Stage shows or Procession creating awareness on social problems, education, cleanliness etc.
- Inviting doctors for health camps most of these camps are conducted in rural places or sub-urban areas.

**Campus Unit:**

The one NSS unit (100 volunteers) functioning in university campus since session 2006-07.

### **University Estate Office:**

The estate office has been established by the University to develop and maintain the infrastructure. The office is developing the University campus to cater the academic and administrative requirements. The action plan of the office includes:

- In order to initiate construction works further, following preparatory works are carried out:
  - Contour map of the site be prepared.
  - Landscaping is planned simultaneously with type of local flora so that same can grow in hot, arid type and rocky strata where the land of University is situated.
  - Architects may be advised to put up their proposal in the light of vision document having details about the type of structures required building using the holistic approach.
- Landscaping for the building and plantation of trees and flora may be taken up simultaneously.
- In addition to above, the execution of the works identified as per planning of the architectural layout plan has to be carried out in a phased manner.
- Details of space requirement and facilities required for various departments, laboratories, faculties, ministerial staff of the University and other utilities are worked out with detailed discussion with the stakeholders.

### **Office of the Proctor:**

The office maintains strict discipline and decorum governed by the University. Any act of misconduct committed by a student inside or outside the campus treated as an act of violation of discipline of the University. Violation of the discipline shall include:

- Disruption of teaching, student examination, research or administrative work, curricular or extra-curricular activity or residential life of the members of the University, including any attempt to prevent any member of the University or its staff from carrying out his or her work, and any act reasonably likely to cause such disruption.
- Damaging or defacing University property or the property of member of the University or any other Property inside or outside the University campus.
- Engaging in any attempt at wrongful confinement of teachers, officers, employees and students of the University camping inside or creating nuisance inside the boundaries of houses of teachers, officers and others members of the University.
- Use of abusive and derogatory slogans or intimidator language or incitement of hatred and violence or any act calculated to further the same.

- Ragging is strictly prohibited inside and outside the University campus. Students are advised to go through the “Anti-ragging” section of the prospectus.
- Students should maintain discipline in the campus, on educational tours, on-the-job training, summer training etc.
- Students are prohibited to indulge in any kind of activity like teasing, ragging, molesting, physical harassment, mental harassment, smoking and drinking alcoholic beverages, etc.
- Rules of attendance will be applicable as per the directions of Hon’ble High Court of Rajasthan.
- Inside University campus a student must always carry identity card with him / her and shall produce whenever asked for by the authorities, teacher and / or University security staff.
- Students found involved in any kind of in disciplinary activities will be subject to punishment as deemed fit from the University authorities.



## University in Media

*The various academic, research and other activities of the University have been cited in the national / state media*

## डिजिटल इंडिया से वाईफाई होगा कैंपस



- ▶ कोटा विश्वविद्यालय
- ▶ 50 लाख आखी लागत, 75 फीसद राशि देगी केंद्र सरकार
- ▶ 15 अगस्त तक पूरा हो जाएगा फाइबर ऑप्टिकल केबल बिछाने का काम

### कोटा @ पत्रिका

कोटा विश्वविद्यालय में जल्द ही डिजिटल इंडिया मिशन का आगाज होने वाला है। नेशनल मिशन फॉर इन्फॉर्मेशन एंड कम्युनिकेशन टेक्नोलॉजी (एनएमआईसीटी) के तहत विवि परिसर को वाईफाई सुविधा से लैस किया जा रहा है। ऑप्टिकल फाइबर केबल बिछाने का काम आधे से ज्यादा पूरा हो चुका है।

विश्वविद्यालय सितंबर तक छात्रों और शिक्षकों के लिए मुफ्त वाईफाई सुविधा शुरू कर देगा। एनएमआईसीटी के तहत परिसर में वाईफाई सेवा शुरू करने के लिए 50 लाख रुपए खर्च होंगे, जिसमें से 12.5 लाख रुपए कोटा

विश्वविद्यालय दे रहा है और बाकी के 37.5 लाख रुपए केंद्र सरकार मुहैया करा रही है। प्रशासनिक भवन, परीक्षा भवन, कुलपति कार्यालय और एकेडमिक ब्लॉक तक फाइबर ऑप्टिकल केबल बिछाने का काम पूरा हो चुका है। बाकी बचा काम 15 अगस्त तक पूरा कर लिया जाएगा।

### 15 मीटर रहेगी रेंज

छात्रों और शिक्षकों के लिए वाईफाई सुविधा मुहैया कराने के लिए परिसर में 400 इनपुट आउटपुट प्वाइंट बनाए जा रहे हैं। जिनकी रेंज पूरे परिसर के साथ ही विवि की बाहरी सीमा के 15 मीटर दायरे तक रहेगी। वाईफाई का नेटवर्क प्रशासनिक भवन में लगाया जाएगा। इसके बाद विवि अपना वेब सर्वर उदयपुर से हटाकर यहीं स्थापित कर लेगा।

### दीक्षांत समारोह से पहले मिलेगी सुविधा

कुलपति प्रो. पीके दशोरा ने बताया कि कैम्पस को वाईफाई बनाने का काम हर हाल में सितंबर तक पूरा करने का प्रयास किया जाएगा। विवि प्रशासन की कोशिश है कि दीक्षांत समारोह तक छात्रों को वाईफाई सुविधा मिलने लगे।

## एचआरडी रैंकिंग में कोटा विवि को मिला 78वां स्थान



### केंद्र ने जारी की उच्च शिक्षण संस्थानों की सूची



### नवज्योति/कोटा

भारत सरकार के मानव संसाधन विकास मंत्रालय द्वारा देश के उच्च शिक्षण संस्थानों के लिए जारी की गई रैंकिंग में कोटा विश्वविद्यालय को 78 वां स्थान दिया गया है। देश के उच्च शिक्षण संस्थानों को खरिस्ता क्रम प्रथम करने के लिए भारत सरकार के मानव संसाधन विकास मंत्रालय द्वारा जनवरी माह में ऑन लाइन सर्वे किया गया था। इस हेतु मंत्रालय ने देश के सभी उच्च शिक्षण संस्थानों से ऑन लाइन डाटा मांगे गए थे। जानकारी देते

हुए विवि के प्रवक्ता डॉ. धनश्याम शर्मा ने बताया कि इस रैंकिंग के लिए देश के कुल 233 उच्च शिक्षण संस्थानों ने ऑन लाइन डाटा खनाकर भारत सरकार के मानव संसाधन विकास मंत्रालय को अपने आवेदन प्रेषित किए थे। जिसके अंतर्गत मंत्रालय ने 4 अप्रैल को सभी उच्च शिक्षण संस्थानों की खरिस्ता सूची, इंडिया रैंकिंग 2016 जारी करते हुए कोटा विश्वविद्यालय को 78 वां स्थान प्रदान किया है।

### ये रहे रैंकिंग के मापदंड

देश के उच्च शिक्षण संस्थानों को रैंकिंग देने के लिए मानव संसाधन विकास मंत्रालय ने सभी शिक्षण संस्थानों की टिफिम गुणवत्ता, संस्थानों के परीक्षा परिणामों, विद्यार्थियों के प्लेसमेंट, छात्रों को रोजगार मुहैया कराने जैसे कई महत्वपूर्ण पहलुओं का दो महीने तक परीक्षण किया था। इन सभी पहलुओं को मद्देनजर रखते हुए मंत्रालय ने अंतिमवार को देश के 233 संस्थानों की रैंकिंग जारी की है।

### राज्य के संस्थानों की ये रही रैंकिंग

मंत्रालय द्वारा जारी की गई रैंकिंग में राज्य के बिरला इंस्टीट्यूट ऑफ टेक्नोलॉजी को देश में 9 वीं, वनस्थली विद्यापीठ को 29 वीं, अजमेर की सेंट्रल यूनिवर्सिटी ऑफ राजस्थान को 34 वीं तथा कोटा विश्वविद्यालय को 78 वीं रैंकिंग प्रदान की है।

### इन संस्थानों ने पाया देश में प्रथम स्थान

देश की उच्च शिक्षण संस्थानों को रैंकिंग देने के लिए मंत्रालय ने सभी शिक्षण संस्थानों को 4 अंकों में श्रेणियां अग्रेजी रैंकिंग जारी की है। जिसके तहत इंजिनियरिंग के क्षेत्र में देश पहला स्थान आईआईटी मद्रास, मेनेजमेंट के क्षेत्र में आईआईएम, बैंगलोर को प्रथम स्थान, फार्मसी के क्षेत्र में मणिपाल फार्मास्यूटिकल, अणिपाल कर्नाटक को प्रथम एवं विश्वविद्यालयों के क्षेत्र में इंदियन इंस्टीट्यूट ऑफ साइंसेज, बैंगलोर को देश का सबसे अच्छा विश्वविद्यालय घोषित करते हुए प्रथम स्थान दिया है।

# दीक्षांत समारोह में बंटेंगी सवा दो लाख डिग्री

कोटा @ पत्रिका

पांच साल से डिग्री की गह तक रहे छात्रों के लिए अच्छी खबर है, उन्हें सितंबर तक डिग्री मिल जाएंगी। कोटा विश्वविद्यालय जोर-शोर से दीक्षांत समारोह की तैयारियों में जुट गया है और दो साल की डिग्री बनकर तैयार भी हो गई है। शेष डिग्री के सत्यापन का कार्य चल रहा है।

विश्वविद्यालय में पिछली मर्तबा जून 2013 में दीक्षांत समारोह हुआ था। तब वर्ष 2009 तक के छात्रों को डिग्री उपलब्ध कराई गई थी। हालांकि नियमानुसार हर साल दीक्षांत समारोह होना चाहिए, लेकिन डिग्री तैयार न होने के कारण पिछले साल भी आयोजन नहीं हो सका। इसके चलते वर्ष 2010 से लेकर



2014 तक पढ़ाई पूरी कर चुके छात्रों को भी अभी तक डिग्री हासिल नहीं हो सकी है। इनकी संख्या करीब 2.16 लाख तक पहुंच चुकी है। विवि प्रशासन पांच साल से अटकी डिग्री को बांटने की तैयारी में जुटा है। कुलपति प्रो. पीके दशोर ने बताया कि शैक्षणिक सत्र 2009-2010 और 2010-2011 की करीब 45 हजार डिग्री

तैयार हो चुकी हैं। सभी डिग्री अगले दो महीने में तैयार करा ली जाएंगी। विवि की कोशिश है कि सितंबर तक दीक्षांत समारोह का आयोजन कर डिग्री बांट दी जाएं।

## सूची होगी ऑन लाइन

कुलपति ने बताया कि सभी 2.16 लाख छात्रों की सूची कक्षा और विभाग वार ऑनलाइन कर दी

लगेगी विवेकानंद की प्रतिमा

विवि में स्वामी विवेकानंद की प्रतिमा स्थापित करने के लिए कुलपति ने कॉमर्स के डीन प्रो. राजीव जैन की अध्यक्षता में पांच सदस्यीय कमेटी गठित कर दी है। कमेटी दीक्षांत समारोह से पहले प्रतिमा की स्थापना करेगी, ताकि समारोह के मौके पर इसका अनावरण किया जा सके।

जाएगी। डिग्री में किसी तरह की कोई गलती होने पर उसे ठीक करने के लिए छात्र विश्वविद्यालय में इसकी सूचना दर्ज कर सकेगा। गलती सुधारने के बाद सभी डिग्री का पहले सत्यापन किया जाएगा फिर उन्हें छात्रों को वितरित किया जाएगा।

patrika.com/c/5456250  
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तैयारी | कोटा विश्वविद्यालय सफेद लिबास में बांटेगा डिग्रीयां, कुलपति ने मांगी राजभवन से तारीख

# पांच छात्रों को मिलेंगे कुलाधिपति पदक

कोटा @ पत्रिका

कोटा विश्वविद्यालय के दीक्षांत समारोह में इस बार 269 विद्यार्थियों को स्वर्ण और पांच-पांच विद्यार्थियों को कुलाधिपति और कुलपति पदक से नवाजा जाएगा। दस खास छात्रों की सूची विवि ने जारी कर दी है। इतना ही नहीं इस बार डिग्री लेने के लिए चोगे की बाध्यता भी खत्म हो जाएगी। कोटा विश्वविद्यालय प्रशासन ने दीक्षांत समारोह की तैयारियां पूरी कर ली हैं। 2.15 लाख डिग्रीयां और करीब 280 पदक भी तैयार होकर आ गए हैं। इस बार 269 टॉपर्स को स्वर्ण पदक दिए जाएंगे।

वहीं अपने विषय के 5-5 यूनिवर्सिटी टॉपर्स को कुलाधिपति और कुलपति पदक भी दिए जाएंगे। जिनके नाम की घोषणा कर दी गई है। **ट्रेस कोड से मिली अजादी** : कुलपति प्रो. पी.के. दशोर ने बताया कि इस बार दीक्षांत समारोह में कोट से लेकर पेंट ब्रट और छात्रों को सलवार सूट से लेकर साड़ी आदि मनचाहे वस्त्र धारण करने की आजादी दी गई है। एकरूपता लाने के लिए सिर्फ रंग की बाध्यता होगी और सभी छात्र-छात्रों को सफेद रंग के लिबास में पदक लेने आना होगा। वहीं टोपी की जगह छात्र और अतिथि इस बार साफ़ और रुजस्थानी फाड़ी पहनेंगे।

वर्ष	विषय	छात्र	कॉलेज
2010	सामाजिक विज्ञान	सीमा शर्मा	राजकीय महाविद्यालय, बूंदी
2011	कला	रिनरिता पंडा	जेडीबी कन्या महाविद्यालय कोटा
2012	वर्णिज्य	दीपेन्द्र दाधीच	वर्णिज्य महाविद्यालय, कोटा
2013	शिक्षा छात्र	उषा गोयल	जेफ्एटीटी कॉलेज कोटा
2014	रिधि	सविता टंडन	कोटा विश्वविद्यालय, कोटा
2010	कला	अरिमा जैन	बीएजेआरएमएम मैदा
2011	वर्णिज्य	सतीश चतुर्वेदी	आरडीआरके रामगंजमंडी
2012	शिक्षा	प्रिया हाड़	बीएनपीटीटी किशनगंज
2013	रिधि	मेघा नुवाल	राजकीय रिधि महाविद्यालय कोटा
2014	विज्ञान	अक्षिता ऐन	एपेक्स कॉलेज, बार्

patrika.com/c/6952430  
Tue, 20 October 2015  
epaper.patrika.com/c/6952430

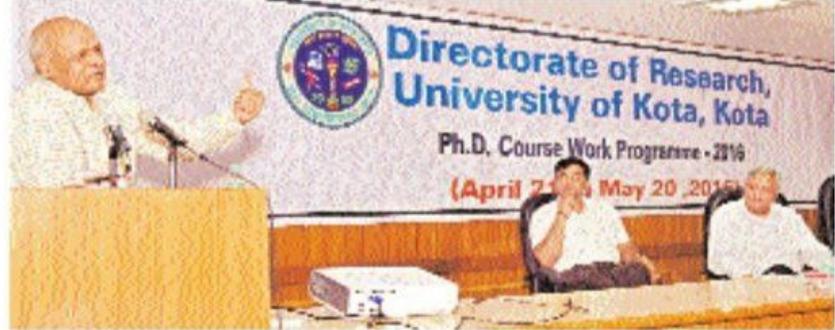


# जो मुश्किलें दूर करे वही असली शोध

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लाइब्रेरी के किसी कोने में पड़ी धूल खा थी थीसिस साबित करती है कि यह न तो शोध है और ना ही इसे तैयार करने वाला शोधार्थी। चंद किताबों की दर्जन भर लाइनें टिप कर दो-ढाई सौ पन्ने रंगना खोज कैसे हो सकती है। असली खोज वही है जो आम आदमी की मुश्किलें दूर कर उसकी जिंदगी आसान बनाए। चाहे भापाई दिक्कतें दूर करने की बात हो या वैज्ञानिक खोज करने की कोशिश। कोटा विश्वविद्यालय से शोध कार्य कर रहे शोधार्थियों को यह नसीहत पेसफिक यूनिवर्सिटी के कुलपति प्रो. बी.पी. शर्मा ने दी।

कोटा विश्वविद्यालय में गुरुवार को पीएचडी कोर्सवर्क की शुरुआत हुई। कार्यक्रम के मुख्य अतिथि प्रो. शर्मा ने कहा कि शोधार्थियों को भारत के वैदिक इतिहास से सबक लेना चाहिए। जहां हर शोधकार्य आम आदमी को केंद्र में रखकर किया



कोटा विश्वविद्यालय में पीएचडी कोर्स वर्क की शुरुआत के दौरान शोधार्थियों को सम्बोधित करते अतिथि।

पत्रिका

गया। कॉपी-पेस्ट की तकनीक इजाजत होने के बाद हमारे शोधार्थी सिर्फ डिग्रियों तक सीमित रह गए और विदेशी छात्रों ने हमारे प्राचीन ज्ञान की पुनर्स्थापना कर डाली।

कोटा विवि के कुलपति प्रो. पीके दशोय ने कहा कि यदि हमारे शोधार्थियों ने भी अपने प्राचीन ज्ञान को केंद्र में रखकर काम किया होता तो जो श्रेय आईस्टीन और न्यूटन को

मिला उसकी जगह कोई भारतीय नाम दर्ज होता। शोध कार्य शुरू करने से पहले उसके ऐतिहासिक परिदृश्य को समझने के साथ ही भविष्य की संभावनाओं पर गौर करना बेहद जरूरी है। यह काम गाइड का है इसलिए उसे शोधार्थी से ज्यादा महनत करनी होगी।

शोध निदेशक डॉ. ओपी ऋषि ने बताया कि कोटा विवि को नेशनल

नॉलेज नेटवर्क और शोध गंगा से जोड़ कर शोधार्थियों के लिए नए रास्ते खोले जा रहे हैं। इसके साथ ही थीसिस और कांसेप्ट को चंगे होने से बचाने के लिए थीसिस भी ऑनलाइन अपलोड की जाने लगी है। इस मौके पर डॉ. सुशील शर्मा और अंकित शर्मा आदि शिक्षकों और गाइड के साथ उनके शोधार्थी भी मौजूद रहे।

Fri, 22 April 2016  
epaper.patrika.com/c/9832649

कोटा विश्वविद्यालय | गठित होगा रिसर्च बोर्ड, विद्या परिषद ने दी मंजूरी, बोर्ड ही तय करेगा गाइड और रिसर्च सेंटर, नीतिगत फैसलों में अफसरों का दखल होगा खत्म

## शोध में मनमाने फैसलों पर लगेगी लगाम

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कोटा विश्वविद्यालय में शोध कार्यों को लेकर चली आ रही मनमानी जल्द ही खत्म होगी। विद्या परिषद ने पिछले दिनों शोध कार्यों की गुणवत्ता बनाए रखने के लिए रिसर्च बोर्ड के गठन को मंजूरी दे दी है। जिसके बाद विश्वविद्यालय के प्रशासनिक अधिकारी शोध से जुड़ा कोई भी फैसला मनमानी से नहीं कर सकेंगे।

**कैस**  
**1**  
विश्वविद्यालय अनुदान आयोग के नियमों के अनुसार रिसर्च उन्हीं महाविद्यालयों को शोध केंद्र बनाया जा सकता है, जहां शोध से जुड़े विषय की स्नातकोत्तर स्तर पर पढ़ाई होती हो। बावजूद इसके कोटा विश्वविद्यालय ने जोड़ीबी कक्षा महाविद्यालय को गृह विज्ञान विषय का शोध केंद्र घोषित कर दिया, जबकि यहां इस विषय की पढ़ाई रिसर्च स्नातक स्तर पर ही कराई जाती है।

विशेषज्ञ, गाइड और परोक्ष का पैनल गठित करने से लेकर शोध से जुड़े सारे नीतिगत फैसले बोर्ड की बैठक में ही तय होंगे।

विवि की स्थापना के बाद पिछले 13 सालों में दो बार रिसर्च बोर्ड के

**कैस**  
**2**  
रिसर्च सुपरवाइजर, एजाइमर और एसआरसी का पैनल गठित करने का अधिकार रिसर्च बोर्ड को होता है, लेकिन कोटा विश्वविद्यालय में पिछले 13 साल से कुलपति और शोध निदेशक अजी रंजना से इसका गठन कर रहे थे। इंटर डिप्लोमेटरी रजिस्ट्रार ने रिसर्च करने के लिए अनुमति जारी करने का अधिकार भी रिसर्च बोर्ड को होता है, लेकिन इससे जुड़े फैसले भी मनमानी तौरों से लिए जा रहे थे।

गठन की कवायद हुई, लेकिन नए एकाधिकार खत्म होना देख आला अफसरों ने इसे कागजों तक ही सीमित रखा। वर्ष 2004 और फिर वर्ष 2006 में कागजी कार्रवाई पूरी करने के बावजूद भी बोर्ड की कोई बैठक नहीं हुई। कुलपति प्रो. पीके दशोय ने बताया कि नीतिगत फैसलों के साथ ही यूनीवर्सिटी और डीएएसटी जैसी संस्थाओं से मिलने वाले शोध अनुदान की निगरानी करने के साथ ही शोध कार्य की गुणवत्ता और शोध की वसतम



स्थिति को लेकर विश्वविद्यालय और उच्च संस्थानों के बीच सामंजस्य स्थापित करने की जिम्मेदारी भी रिसर्च बोर्ड ही संभालेगा।

### बहुमत से होगा फैसला

रिसर्च बोर्ड का गठन कुलपति की अध्यक्षता में होगा और शोध निदेशक

बोर्ड के कम से कम एक तिहाई सदस्य उनका समर्थन करेंगे।

### यह होगा काम

शोध निदेशक को योग्यताएं तय करना और विषय के आधार पर उनका पैनल गठित करने का काम रिसर्च बोर्ड ही करेगा। इसके साथ ही विश्वविद्यालय से सम्बद्ध महाविद्यालयों को रिसर्च सेंटर बनाने और वहां पढ़ा रहे शिक्षकों को सुपरवाइजर बनाने की मंजूरी भी बोर्ड ही जारी करेगा। एजाइमर से लेकर एसआरसी एक्सपर्ट का पैनल के गठन का फैसला भी यहीं होगा।

Sat, 05 March 2016  
epaper.patrika.com/c/8945809



# नहीं चेते तो 2060 तक खत्म हो जाएगा भूजल

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भूजल पोहन यू ही चलता रहा तो जमीन के नीचे जमा पानी योग्य पानी खत्म हो जाएगा। स्वीडन और बालादेश के वैज्ञानिकों के साथ कोटा विवि के शिक्षकों ने इस पर चिंत जताते हुए चेतावनी दी है कि यदि यह स्थिति सलासला यू ही चला तो 2060 तक भूमिगत जल भंडार लगभग खत्म हो जाएगा। हालांकि संकट के साथ समाधान का रास्ता भी तलाशा जा रहा है।

कोटा में 1984 में औसतन 29 फीट बोसि करने पर पानी मिल जाता

था, लेकिन अब 200 से 300 फीट तक भी नहीं मिलता है। आंकड़ों के मुताबिक 2001 में कोटा की जमीन तले 1541 घनमीटर पेयजल मौजूद था जो अब घटकर 897 रह गया है। जंगल कटने का असर यह हुआ कि पहले जहां हर साल औसतन 710 मिलीमीटर बारिश होती थी जो जमीन के अंदर समाकर भूजल भंडार में करीब 116 मिलियन घन मीटर का इजाफा करती थी। वहीं बीते कुछ सालों में बारिश का औसत गिरकर करीब 610 मिलीमीटर रह गया। इससे सालाना वाटर रीचार्ज 108 मिलियन घनमीटर पर आ गया। पढ़ें [भूजल @ पेज 23](#)



गुमानपुरा कैनाल रोड पर सूखा पड़ा हैण्डपम्प।

पत्रिका

## चंबल भी साथ छोड़ देगी

कोटा जिले का कुल क्षेत्रफल 5123 वर्ग किमी है। जिसमें से सिर्फ 1409 वर्ग किमी क्षेत्रफल ही एल्युवियम (मृदा) क्षेत्र है। जिसके सहारे बारिश का करीब दस से पंद्रह फीसद पानी रिसकर जमीन के अंदर बने भूजल भंडारों में समा जात है। बाकी का 3714 वर्ग किमी क्षेत्रफल चट्टानी है। ऐसे में चंबल का पानी तो भूजल भंडारों को रीचार्ज कर ही नहीं पा रहा, बल्कि इस इलाके पर पड़ने वाला बारिश का पानी भी चंबल में बह कर बर्बाद हो जाता है।

## इन्होंने किया शोध

कोटा विश्वविद्यालय के प्योर एंड एप्लाइड केमिस्ट्री डिपार्टमेंट की प्रोफेसर अश्व रानी, कोटा राजकीय कॉलेज के गणित विभाग के प्रो. अरुण कुमार, एस्एमसी बरालदेश के डॉ. एअर फिरोज, बीआईटी स्वीडन के प्रो. बिरगिता रॉडरिगान और सेटर फॉर क्लाइमेट रिसर्च पॉलिनी स्वीडन के प्रो. अन्ना जॉन्सन पिछले तीन साल से कोटा में हो रहे जलवायु परिवर्तन का अध्ययन कर रहे हैं।

Sun, 24 May 2015  
epaper.patrika.com/c/5351197

शिक्षा | हिंदी बनी कोटा विश्वविद्यालय के शोध छात्रों की पहली पसंद

# हाड़ौती के हृदय में बसती है मीरा

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सबसे ज्यादा शोध मीरा साहित्य पर

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हाड़ौती के हृदय में मीरा अब भी वास करती है। कोटा विश्वविद्यालय में साहित्य पर हुए शोध इसका जीवंत प्रमाण है। हिंदी अब भी विवि के शोधार्थियों का पसंदीदा विषय बनी हुई है और उसमें भी सबसे ज्यादा शोध मीरा के साहित्य पर हुए हैं।

कोटा विश्वविद्यालय की स्थापना के बाद से अब तक 220 शोधार्थी डॉक्टर ऑफ़ फिलॉसॉफी (पीएचडी) की डिग्री हासिल कर चुके हैं। वहीं 434 छात्रों का शोध कार्य लगभग पूरा होने की कगार पर है। जबकि वर्ष 2014 में प्रवेश परीक्षा पास करने के बाद 312 छात्रों

का कोर्स वर्क चल रहा है। इसके पूरे होते ही उनका भी शोध कार्य भी शुरू हो जाएगा। शोध टैंड की बात की जाए तो बीते एक दशक में 24 विषयों में सबसे ज्यादा शोध हिंदी में हुए। हिंदी में भी शोध करने वाले 148 शोधार्थियों में से सबसे ज्यादा 32 ने शोध के लिए मीरा के साहित्य को चुना।

## वाणिज्य और व्यवसायिक प्रबंधन पर भी ध्यान

कोटा विश्वविद्यालय के शोधार्थियों का जितना जोर साहित्य और भाषा पर है, तकरबन उतनी ही पैनी नजर रेजी-रोटी से जुड़ी समस्याओं पर भी केंद्रित है। यही वजह है कि शोधार्थियों की दूसरी पसंद वाणिज्य और व्यवसायिक प्रबंधन बना हुआ है। जिसमें वह व्यवसायिक क्षेत्र के सामने आ रही नई चुनौतियों का समाधान तलाशने में जुटे हुए हैं। 966 शोधार्थियों में से 121 का पंजीकरण वाणिज्य और प्रबंधन में है।

## फैक्ट फाइल

विषय	शोध पूर्ण	शोध जारी	नर्मांकन करारवा
हिंदी	26	76	46
वाणिज्य एवं प्रबंधन	23	50	48
भूगोल	25	45	40
रसायन शास्त्र	24	28	28
बनस्पति विज्ञान	24	17	24
इतिहास	16	28	18
राजनीति विज्ञान	16	27	17
अंग्रेजी	02	12	05
संस्कृत	15	38	04
विधि शास्त्र	04	09	03
उर्दू	05	08	07
समाज शास्त्र	06	18	10
जन्तु विज्ञान	05	14	03

शोध कार्य की गुणवत्ता बढ़ाने के लिए शोधार्थियों को नॉलेज शेयरिंग सिस्टम से जोड़ा जाएगा। जिन विषयों में शोध कार्य कुछ धीमा है, उन्हें आगे बढ़ाने के लिए तकनीकी संसाधन मुहैया कराए जाएंगे। शोध कार्यों की बेहतर तरीके से प्रशासन पूरी शिद्दत से जुटा हुआ है।

प्रो. पीके दशोच,  
कुलपति, कोटा विश्वविद्यालय

Mon, 25 May 2015  
epaper.patrika.com/c/5357924

कोटा विश्वविद्यालय } स्थापित किया वेदर स्टेशन, मौसम के मिजाज पर हर वक्त रहेगी पैनी नजर

# बनेगा पढ़ाई का 'मौसम'

सीख सकेंगे हवा से बिजली बनाने के तरीके

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मौसम के मिजाज पर पैनी नजर रखने और उसके मुताबिक वैकल्पिक ऊर्जा की आवश्यकता और खपत का आकलन करने के लिए कोटा विश्वविद्यालय ने अपना वेदर स्टेशन स्थापित कर लिया है।

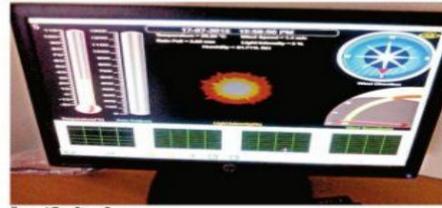
वैकल्पिक ऊर्जा के क्षेत्र में पढ़ाई का महत्वपूर्ण केंद्र बन चुके विश्वविद्यालय के छात्र अब मौसम के मुताबिक ऊर्जा जरूरतों की बारीकियों को भी समझ सकेंगे। मौसम में वैकल्पिक ऊर्जा की कौन सी विधि कारगर साबित होती है, इस बाबत भी छात्र नए शोध कर सकेंगे। वेदर स्टेशन के जरिए चौबीस घंटे तापमान के उतार-चढ़ाव के साथ ही हवा के रुख, मौसम में नमी और बरफा की स्थिति का सटीक आकलन लगाया जा सकेगा। इसके लिए अकादमिक ब्लाक की छत पर वेदर सेंसर लगाए गए हैं। इन्हें फिजिक्स एनर्जी लैब में स्थापित मॉनिटरिंग सिस्टम से जोड़ा गया है, जहां एक-एक पल का आंकड़ा सुरक्षित रखा जा रहा है।

## ऊर्जा की जरूरतों का होगा आकलन

एसोसिएट प्रोफेसर डॉ. घनश्याम शर्मा ने बताया कि वेदर स्टेशन के आंकड़ों के जरिए एमएससी फिजिक्स एंड एनर्जी के छात्रों के साथ-साथ एमएडके सोलर एनर्जी के छात्र मौसम के मुताबिक ऊर्जा



कोटा विश्वविद्यालय के एकेडमिक ब्लॉक में लगाया गया सिंड पॉवर ट्रेनिंग सिस्टम।



वेदर मॉनिटरिंग सिस्टम।



सेंसर सिस्टम।

जरूरतों का आकलन कर सकेंगे। इन आंकड़ों के जरिए सोलर पॉवर और विंड एनर्जी जैसे वैकल्पिक

ऊर्जा संचयनों से मौसम के मुताबिक उत्सर्जित होने वाली ऊर्जा के स्तर का आकलन किया जा सकेगा।

आंकड़ों के जरिए छात्र वैकल्पिक ऊर्जा के इन साधनों की गुणवत्ता में सुधार कर सकेंगे।

## सिंड एनर्जी ट्रेनिंग सेंटर भी तैयार

हवा के रुख से बिजली बनाने के तरीके सीखने और पुराने तरीकों में सुधार कर विंड एनर्जी सेक्टर में बेहतर विकल्प विकसित करने के लिए विश्वविद्यालय ने विंड पॉवर ट्रेनिंग सेंटर भी स्थापित कर लिया है। एकेडमिक्स ब्लॉक में विंड पॉवर टर्बाइन स्थापित कर दी गई है। इससे थ्रीफेज बिजली उत्सर्जित हो रही है और मॉनिटरिंग सिस्टम के जरिए हवा की क्षमता के मुताबिक ऊर्जा के स्तर का आकलन भी किया जा रहा है। वेदर स्टेशन और विंड एनर्जी ट्रेनिंग सिस्टम स्थापित करने पर करीब सात लाख रुपए लागत आई है।

वैकल्पिक ऊर्जा के क्षेत्र में मौजूद असीम संभावनाओं को देखते हुए इस क्षेत्र के छात्र-छात्राओं को तकनीकी रूप से सशक्त बनाने के लिए वेदर स्टेशन और सिंड पॉवर ट्रेनिंग सेंटर स्थापित किए गए हैं। उम्मीद है कि इनके जरिए छात्र सस्ते और ज्यादा उपयोगी वैकल्पिक ऊर्जा उपकरण विकसित कर सकेंगे।

प्रो. पीके दय्योय, कुलपति, कोटा विश्वविद्यालय

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सोलर पैनल } कोटा विवि के शिक्षकों ने क्रिस्टल साइज कम करके बनाया ऊर्जा अवशोषित करने लायक

# अब शीशे से भी बन सकेगी सोलर प्लेट

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एकसतलूसिब

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आसानी से मिलने वाले शीशे से भी अब सोलर पैनल बनाया जा सकेगा। कोटा विश्वविद्यालय के शिक्षकों ने सस्ते सोलर पैनल बनाने का रास्ता खोज निकाला है। भौतिक विज्ञान विभाग में तीन साल तक चले शोध के बाद शिक्षकों ने शीशे का क्रिस्टल साइज कम कर उसे ऊर्जा अवशोषित करने लायक बनाने में सफलता हासिल की है। ऊर्मा अवशोषित करने की क्षमता ज्यादा होने से सोलर पैनल बनाने के लिए फिलहाल सबसे ज्यादा सिलिकॉन का इस्तेमाल होता है। साथ ही कैडमियम, सेलोनियम,



टेलुरियम और सिलिका भी काम में लाए जाते हैं, लेकिन इन मेटल्स की उपलब्धता कम होने से सोलर पैनल का निर्माण महंगा पड़ता है। यही वजह है कि वैकल्पिक ऊर्जा स्रोत उपयोगी होने के बावजूद आम आदमी की पहुंच से दूर है। ऐसी स्थिति में दुनिया भर के शोधार्थी ऐसे मेटल्स की खोज में लगे थे जिसकी ऊर्जा अवशोषित करने की क्षमता ज्यादा हो और आसानी से उपलब्ध हो सके। वैज्ञानिक तथा औद्योगिक

अनुसंधान परिषद (सीएसआईआर) ने 2012 में कोटा विवि भौतिक विज्ञान विभाग के एसोसिएट प्रोफेसर डॉ. घनश्याम शर्मा और सिधर एसोसिएट डॉ. कुंतल कांबर को इस पर काम की जिम्मेदारी सौंपी।

कीमत आधी से भी ज्यादा है कम

बाजार में 25 ग्राम सिलिकॉन की कीमत फिलहाल 20980 रुपये है। जबकि शीशे की कीमत सिलिकॉन से आधे से भी ज्यादा कम है। बाजार में 25 ग्राम शुद्ध शीशा महज 7731 रुपये में मिल जाता है। ऐसे में जब शीशे से सोलर पैनल बनाया जाएगा तो निश्चित ही उसकी कीमत भी ख़ासी कम हो जाएगी और वैकल्पिक ऊर्जा के तौर पर इस्तेमाल होने वाली सौर ऊर्जा तक आम आदमी की पहुंच भी आसान हो जाएगी।

## तीन साल की मेहनत के बाद सफलता

दोनों शोधार्थियों ने सस्ते सोलर पैनल बनाने के लिए कई धातु चुनीं, लेकिन सफलता शीशे के साथ किए गए प्रयोगों में मिली। हालांकि लेड की ऊर्जा अवशोषित करने की क्षमता सिलिकॉन से दस गुना कम थी, लेकिन जब टीम ने हाई प्रेशर डालकर उसका क्रिस्टल साइज कम किया तो चौकाने वाले परिणाम मिले। जैसे-जैसे लेड का साइज कम होता

गया उसमें ऊर्जा अवशोषित करने की क्षमता बढ़ती गई। अखिर में टीम ने हाइड्रोथर्मल तकनीक से लेड के नैनोपार्टिकल्स बनाए तो कांच की ऊर्जा अवशोषित करने की क्षमता सिलिकॉन से ज्यादा हो गई। करीब 15 लाख रुपए खर्च और तीन साल की मेहनत के बाद सोलर पैनल बनाने के लिए लेड के रूप में नए धातु की खोज में सफलता मिली है।

Patrika Tue, 15 September 2015  
epaper.patrika.com/c/6541021



शोध कोटा विवि के शिक्षकों ने तैयार किया ऑर्गेनिक कंपाउंड, पानी में डालते ही सोख लेगा हानिकारक प्लोराइड

# फ्लोराइड और स्लरी दिलाएंगे फ्लोराइड से छुटकारा

विश्व सिंह @ कोटा

कोटा को काटने के लिए जहर के ही इस्तेमाल को काफ़ी ध्यान देना पड़ेगा, लेकिन कोटा विश्वविद्यालय के शिक्षकों ने इसे एक बार फिर सही खाँका कर दिया। स्वस्थान विज्ञान विभाग के शिक्षकों ने पर्यावरण में लौट आने वाली फ्लोराइड और कोटा स्टोन स्लरी को मिलाकर ऐसा ऑर्गेनिक कंपाउंड तैयार किया है। जो पानी में जाते ही उससे घुले जानसेवक फ्लोराइड को सोख लेता है।

राजस्थान पत्रिका  
एक्सप्लूरेटिव

फ्लोराइड और कोटा स्टोन स्लरी के घुपभावन पर शोध कर रहे शिक्षकों ने जब इनकी खाँकाकरण करने की कोशिश की तो उन्हें तस्वी में जलते-हेबोतेरस सोखने की क्षमता का पता चला। प्रोफेसर डॉ. अरुण जी और शोधार्थी शैलेश्वरी सक्सेना ने फ्लोराइड और स्लरी की संरचना पर अलग-अलग मॉडल ऑनलिन करने वाले मॉलिक्यूलस बनाकर एक्टिवेटेड कार्बन के मिक्स ब्लेंड बनाए और पानी में डालते तो यह बात साबित भी हो गई। शुरूआती नतीजों से उत्साहित शोधार्थियों ने पानी में घुले फ्लोराइड को चुनौती के रूप में लिया और फिर फ्लोराइड के कणों पर स्लरी को लेंड कर ऑर्गेनिक कंपाउंड का एक नया जोड़ बनाया।



कोटा स्टोन स्लरी

फ्लोराइड

बड़ी आबादी को मिल सकेगा साफ पानी

देश के आधे से ज्यादा राज पानी में घुले फ्लोराइड की समस्या से जूझ रहे हैं। राजस्थान, उत्तर प्रदेश और मध्यप्रदेश की सीमा से सटे आगरा, मथुरा, अलीगढ़, खजूर, धौलपुर, पहापुर, बालिया, बिहड़ और मुँगा जैसे जिलों में तो फ्लोराइड की मात्रा इतनी ज्यादा है कि पानी पीने लायक ही नहीं था। पानी से फ्लोराइड अलग करने का सबसे वैज्ञानिक तरीका उपलब्ध न होने के कारण सरकारें करोड़ों रुपये खर्च कर दूर-दूर इलाकों से यहाँ पानी सप्लाई करने में जुटी हैं। अब कृदा समझकर फेंक दिए जाने वाले इन दोनों चीजों से इन इलाकों में बेहद कम लागत में पानी साफ किया जा सकेगा।

शोध में शामिल हुआ है कि फ्लोराइड और स्लरी का ऑर्गेनिक कंपाउंड जल में घुले फ्लोराइड को पूरी तरह सोख लेता है। इसके बाद जल पीने लायक हो जाता है। फ्लोराइड की बहुतायत वाले इलाकों के लिए यह कोटा पदकन लक्ष्य हो सकती है और लोगों को बेहद कम लागत में पीने का पानी मिल सकेगा।

डॉ. अरुण जी, अलेक्जेंडर, कोटा विश्वविद्यालय

Thu, 24 September 2015  
epaper.patrika.com/c/6644745

शोध केन्द्रीय विज्ञान एवं प्रौद्योगिकी विभाग ने दी मंजूरी

# कीमोथैरपी का दर्द मिटाएगा कोटा विवि, केन्द्र सरकार से मिला प्रोजेक्ट

क्वांटम कम्प्यूटिंग में भी कारगर साबित होगा

कोटा @ पत्रिका

केन्द्रीय विज्ञान एवं प्रौद्योगिकी विभाग (डीएसटी) ने कैंसर के इलाज को आसान और दर्द मुक्त बनाने के लिए कोटा विश्वविद्यालय को शोध करने की जिम्मेदारी सौंपी है। डीएसटी ने सीएम ऑक्ससाइड की इलेक्ट्रिकल, ऑप्टिकल और मैग्नेटिक क्षमताएं तलाशने के लिए विवि को मेजर सिस्चं प्रोजेक्ट आवॉरिट किया है।

वृत्तम सॉर्टिस्ट स्कीम में शुरू किए गए इस शोध के लिए डीएसटी की ओर से 25 लाख रुपए की



आर्थिक सहायता मंजूर की है। शोध को अंजाम तक पहुंचाने के लिए भौतिक विज्ञान विभाग की शोधार्थी स्वाती सोनी को कोटा विवि की पहली महिला वैज्ञानिक के तौर पर चुना है। विभागाध्यक्ष डॉ. सौम्य दलेला के निर्देशन में तीन साल तक चलने वाले इस शोध में वह सीरियम ऑक्ससाइड की इलेक्ट्रिकल, ऑप्टिकल और मैग्नेटिक क्षमताओं की डोप प्रॉपर्टी

तलाश कर कैंसर रोकथाम के लिए होने वाली कीमोथैरपी का दर्द खत्म करने व उसे ज्यादा कारगर बनाने के रास्ते खोजे जायेंगे। डॉ. दलेला ने बताया कि तरल चुम्बकीय अर्धचालक के रूप में इस्तेमाल होने वाले सीरियम ऑक्ससाइड के जरिए क्वॉटम कम्प्यूटिंग को कारगर बनाने के साथ ही मैमोरी डिस्क का आकार छोटा कर डाटा स्पेस बढ़ाने का तरीका भी खोजेंगे।

Sat, 17 October 2015  
epaper.patrika.com/c/6918757

# बौद्धिक संपदा का सही समय पर उपयोग जरूरी

कोटा @ पत्रिका . विश्व बौद्धिक सम्पदा दिवस के अवसर पर मंगलवार को कोटा विश्वविद्यालय में वाणिज्य एवं प्रबन्धन विभाग और विज्ञान एवं प्रौद्योगिकी विभाग के संयुक्त तत्वावधान में कार्यशाला आयोजित की गई। इसमें अध्यक्षता करते हुए विश्वविद्यालय के कुलपति प्रो. पी. के. दशोरा ने कहा कि बौद्धिक सम्पदा का सही समय पर क्षमतानुसार उपयोग आवश्यक है। उन्होंने कहा कि भारतीय समाज

में बौद्धिक संपदा को कभी निजी संपदा नहीं माना गया। ज्ञान को हमेशा समाज हित में काम में लेने की संस्कार युक्त परम्परा रही है। वर्तमान समय में कानूनी पेचीदगियों को समझते हुए विश्व समुदाय की जतों के अनुसार स्वयं को ढालें और विशिष्ट कार्य को पेटेंट के योग्य बनाएं। मुख्य अतिथि श्रीराम रेयन्स के वाइस प्रेसीडेंट वी.के. जेटली ने कहा कि सकारात्मकता की चुनौती को स्वीकार कर ज्ञान अर्जित कर क्षमता विकसित

करें। विशिष्ट अतिथि पेटेंट अटार्नी विकास असावत ने ट्रेड मार्क, ट्रेड सीक्रेट, पेटेंट, कॉपीराइट तथा इण्डस्ट्रियल डिजाइन से जुड़े कानूनों की विस्तार से जानकारी दी। विभागाध्यक्ष प्रो. राजीव जैन ने बौद्धिक संपदा अधिकार को लेकर चेतना जागृत करने के प्रयासों की जानकारी दी। इस अवसर पर विश्वविद्यालय के द्वितीय त्रैमासिक न्यूजलेटर का विमोचन भी किया गया। डॉ. प्रजा धीर ने धन्यवाद ज्ञापित किया।

संगोष्ठी : विश्व बौद्धिक संपदा अधिकार दिवस पर मंगलवार को पर्यावरण परिषद के तत्वावधान में संगोष्ठी हुई। अर्थशास्त्री डॉ. गोपाल सिंह ने कहा कि युवाओं को बौद्धिक संपदा से स्थानीय व्यापार को लाभान्वित करने का प्रयास करना चाहिए। नेटवर्किंग, लघु एवं मध्यम उद्यमों में पेटेंट के लिए अधिक से अधिक प्रयास होने चाहिए। उद्यमों की एन.गुत्ता ने कॉपीराइट के क्रम में बौद्धिक संपदा अधिकारों की

जानकारी देते हुए बताया कि डिजायन, प्रोसेस, पेटेंट का महत्व स्पष्ट किया। समन्वयक डॉ. एल.के. दाधीच ने ने क्रिएटिविटी कल्चर रिमेजिंग पर विस्तार से चर्चा की। उन्होंने कहा कि नवाचार को पेटेंट करवाकर न सिर्फ नाम कमाया जा सकता है, बरन कमाई भी की जा सकती है। संगोष्ठी में ओ.पी.विजय, एस.के. जोशी, बी.एल.गगरनी, सतोष गुत्ता, पी.एस.तोतला ने विचार व्यक्त किए।

Wed, 27 April 2016  
epaper.patrika.com/c/9939632

# अमरीका की लाइब्रेरी तक कोटा के छात्रों की पहुंच

राजस्थान पत्रिका

विशेष

► **डालफिंग लाइब्रेरी नेटवर्क से जुड़ी कोटा विवि की सेंट्रल लाइब्रेरी**

► **दो कटेड से ज्यादा किताबें और दस लाख से ज्यादा जर्नल पढ़ सकते छात्र**

कोटा @ पत्रिका

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कोटा विश्वविद्यालय के छात्र अब नौ देशों के 5205 पुस्तकालयों में रखी दो करोड़ से ज्यादा किताबें पढ़ सकेंगे। इसके लिए उन्हें बस विवि की सेंट्रल लाइब्रेरी तक पहुंचना होगा। यहां लगे डेलनेट के डिजिटल डाटाबेस से उन्हें मनपसंद किताब का चुनाव कर एक ऑनलाइन डिमांड नोट भेजना होगा। इसके बाद किताब जिस लाइब्रेरी में होगी, वहां से डॉक के जरिए 15 दिन के लिए छात्रों के पास पहुंच जाएगी।

दुनियाभर में फैले अथाह ज्ञान के भंडार को भारतीय छात्रों तक पहुंचाने के लिए केंद्रीय सूचना तकनीकी एवं संचार मंत्रालय और केंद्रीय सांस्कृतिक मंत्रालय ने डालफिंग लाइब्रेरी नेटवर्क (डेलनेट) विकसित किया है। इसके जरिए देशभर की 5181 लाइब्रेरियों के साथ अमरीका, फिलिपिंस, भूटान, नेपाल, ओमान, यूनाइटेड अरब अमीरात, श्रीलंका और पाकिस्तान की 24 लाइब्रेरियों

छात्रों को उठाना होगा खर्च

करोड़ों किताबों तक कोटा विवि के छात्रों की पहुंच भले ही हो गई हो, लेकिन उन्हें लाने ले जाने पर आने वाला डाक खर्च छात्रों को ही वहन करना होगा। किताब मंगाने पर कितना डाक खर्च आ रहा है, इसकी जानकारी भी डिमांड नोट भेजते समय छात्रों को मिल जाएगी, ताकि वह तय कर सकेगा कि किताब मंगानी है या नहीं।



उपलब्ध ज्ञान का भंडार

किताबें- 2,03,71,835

रिसर्च जर्नल- दस लाख

वीडियो रिकॉर्डिंग- छह हजार

ऑडियो रिकॉर्डिंग- 1025

रिसर्च थीसिस- 70,293

ई बुक्स- 1613

को एक-दूसरे से जोड़ा गया है। इन लाइब्रेरियों में संग्रहित किताबें, रिसर्च जर्नल, पिरियोडिकल्स, ऑडियो-वीडियो रिकॉर्डिंग, रिसर्च थीसिस, डिजिटेशन और ईबुक्स डेलनेट से जुड़े पुस्तकालयों को पाठकों को डाक के जरिए भेजे जाते हैं। छात्रों की सुविधा के लिए कोटा विश्वविद्यालय ने भी अब डेलनेट की सदस्यता ले ली है।

डाक से आएं किताबें

कोटा विवि की सेंट्रल लाइब्रेरी में डेलनेट का डिजिटल डाटाबेस इंस्टॉल किया गया है। डाटाबेस से मनपसंद किताब चुनने के बाद छात्रों

किताब मंगाने का खर्च

देश	रुपय	देश	रुपय
अमरीका	667	ओमान	741
पाकिस्तान	669	श्रीलंका	473
भूटान	422	फिलिपिंस	482
नेपाल	416	यूई	1020

को एक ऑनलाइन डिमांड नोट भरकर जमा करना होगा। चुनी गई किताब जिस लाइब्रेरी में मौजूद होगी, डेलनेट सिस्टम इसे उसी लाइब्रेरी तक पहुंचा देगा। इसके तुरंत बाद किताब की उपलब्धता की जानकारी कम्प्यूटर स्क्रीन पर दिखने लगेगी। छात्र जैसे ही तारीख तय करेगा, उसे डाक के जरिए 15 दिन के लिए वह किताब भेज दी जाएगी।

कोटा विवि के डेलनेट से जुड़ने के बाद छात्र अब दो कटेड से ज्यादा किताबें पढ़ सकेंगे। इसका सबसे ज्यादा फायदा शोधार्थियों को होगा। विवि की कोशिश है कि इस सुविधा को ज्यादा से ज्यादा छात्रों तक पहुंचाया जाए।

प्रो. पी.के. दशोत्त, कुलपति, कोटा विश्वविद्यालय

# सड़क पर दौड़ते वाहनों से बन जाएगी बिजली

आईटीआई के अनुदेशक ने पिस्टन ब्लॉक लगा बनाई बिजली, 11 साल बाद पेटेंट

घर से की शुरुआत

राजस्थान पत्रिका

एक्सक्लूसिव

विनीत सिंह, कोटा @ पत्रिका

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सड़क पर दौड़ते वाहनों से बिजली की कमी दूर की जा सकेगी। राजकीय आईटीआई, बूंदी के अनुदेशक ने वैकल्पिक ऊर्जा का यह नया रास्ता खोज निकाला है। उन्होंने सड़क में पिस्टन ब्लॉक लगाकर बिजली बनाने में सफलता हासिल की है। इस खोज का उन्हें पेटेंट भी मिल गया है।

अक्सर बिजली जाने से परेशान आईटीआई बूंदी के अनुदेशक सज्जाद अली खान और उनके बेटे सजिद ने बिना कुछ खर्च किए बिजली बनाने की ठानी। दो साल की मेहनत के बाद सज्जाद ने स्टैटिक एनर्जी (स्थितिज ऊर्जा) को कायनेटिक एनर्जी (गतिज ऊर्जा) में बदलने का रास्ता खोजा।

ऊर्जा के इस विकल्प के बारे में सज्जाद ने केंद्रीय सड़क परिवहन मंत्रालय और ऊर्जा मंत्रालय को जानकारी भेजी, लेकिन कोई जवाब नहीं आया। इसके बाद उन्होंने अपनी खोज पेटेंट कराने की ठानी, इसके लिए वे 11 साल तक दिल्ली स्थित पेटेंट दफ्तर के सैकड़ों चक्कर काटते रहे। मार्च 2015 में सज्जाद ने कोटा विवि के इंटरलेक्चुअल प्रॉपर्टी राइट एंड पेटेंट सेल के जरिए कोशिश की। सेल के नोडल अफसर प्रो. राजीव जैन के मृताबिक छह



उन्होंने अपने घर के फर्श पर एक प्लेट बिछाई, जिसके नीचे पिस्टन ब्लॉक और हार्डईलिक शॉकर लगा दिए। जब लोग घर में टहलते तो प्लेट दबती और पिस्टन ब्लॉक से तैयार हवा स्टोरेज टैंक में जमा हो जाती। इसके बाद हवा के दबाव से घूमने वाली गैटर तैयार की। उसे जर्नल से जोड़ दिया। टैंक में अच्छी हवा भरने के बाद जब प्रेशर छोड़ा तो एयर जर्नल चलने लगा और बिजली बन गई। इसके बाद उन्होंने बड़ी प्लेट बनाई और सड़क पर लगाकर प्रयोग किया। सड़क से भारी वाहन जितनी तेज गुजरते उतनी तेजी से बिजली बनती। पांच साल की मेहनत के बाद पिता-पुत्र ने सेंट्रल कंफ्रेंस पावर प्रोजेक्ट के रूप में बिजली बनाने का अनूठा रास्ता खोज निकाला।

महिले कोशिश के बाद भारत सरकार ने पेटेंट जारी कर दिया। अब विवि में इस खोज की तकनीक के विस्तार की कोशिश चल रही है।

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कोटा विश्वविद्यालय } भौतिकी विभाग को मिला न्यूटन भाभा फंड

# सौर ऊर्जा के विस्तार को लगेंगे पंख

क्रेनफिल्ड और डरहम यूनिवर्सिटी के साथ मिलकर किया जाएगा शोध एवं शैक्षणिक विकास

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सौर ऊर्जा के क्षेत्र में नए अनुसंधान और शैक्षणिक विकास को अब नई दिशा मिलेगी। कोटा विश्वविद्यालय का भौतिकी विभाग ब्रिटेन की क्रेनफिल्ड और डरहम यूनिवर्सिटी के साथ मिलकर वैकल्पिक ऊर्जा के विकास में नई संभावनाएं तलाशेगा। काम को अंजाम तक पहुंचाने के लिए ब्रिटेन की रॉयल एकेडमी ऑफ इंजीनियरिंग और भारतीय वाणिज्य एवं उद्योग महासंघ (फिक्की) विवि को करीब 50 लाख रुपये की आर्थिक सहायता भी देगा।

वैकल्पिक ऊर्जा के क्षेत्र में अनुसंधान और शैक्षणिक कार्य करने के साथ ही तकनीकी विकास में जुटे संस्थानों को प्रोत्साहित



करने के लिए रॉयल एकेडमी और फिक्की आर्थिक मदद मुहैया कराते हैं। इसके लिए देशभर से 49 शैक्षणिक संस्थानों के साथ इस बार कोटा विवि ने भी आवेदन किया था। सौर ऊर्जा क्षेत्र में काम करने के लिए एकमात्र आवेदन होने और इस क्षेत्र में काम की संभावनाओं

को देखते हुए दोनों संस्थानों ने कोटा विवि को न्यूटन भाभा फंड के जरिए आर्थिक मदद देने का फैसला किया।

कुलपति प्रो. पी.के. दशोग ने बताया कि क्रेनफिल्ड और डरहम यूनिवर्सिटी के साथ सौर ऊर्जा के विकास के लिए दो साल तक ज्ञान

और तकनीक साझा की जाएगी, ताकि सस्ते संसाधन और बेहतर तकनीक की खोज के साथ ही इस क्षेत्र में अध्ययन का आधारभूत ढांचा तैयार हो सके। इसके साथ ही तीनों विवि मिलकर कौशल विकास व रोजगार पाठ्यक्रम भी तैयार करेंगे, ताकि इस क्षेत्र में रोजगार के नए अवसर मुहैया कराए जा सकें।

प्रोजेक्ट में तीन विदेशी वैज्ञानिकों के साथ-साथ भौतिकी विभाग के प्रो. एन.के. जैमन, डॉ. सीरुप दलेला, डॉ. नमुता सेंगर और डॉ. धनश्याम शर्मा की टीम काम करेगी। इसके साथ ही तकनीक के विकास के साथ ही नए अनुसंधानों को लोगों तक पहुंचाने के लिए देश की प्रमुख सोलर एनर्जी कंपनी एमएसए रैनटेक के साथ भी औद्योगिक समझौता किया गया है।

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## बुलाती है चंबल की वादियां



यू तो कलखल सुने मलखलीय प्रदेइ के रूप में जाना जाता है लेकिन जब हाड़ौती की हरियाली नजरों के सामने आती है तो प्रदेश की पर्यटकों की बदल जाती है। यहां पर्यटकों को हरियाली के पर से लग जाते हैं। किलेदे लेता चंबल का पानी, किनारों पर दूर-दूर तक छाई हरियाली, कलाइयों में फसला सौंदर्य बख्श ही नजरों को भा ही जाता है और हर कोई अपनक लिफाफे को मजबूर हो जाता है। कुछ ऐसा ही सौंदर्य यहां फसला नजर आ रहा है। नजारा है कोटा के रकतभद्रा क्षेत्र के रकत डेम का, जिसे इशिया गांधी वीथ टॉवर से लिया गया है। फोटो में पानी के बीच घनी हरियाली कोकोइल रिलेकेशन सेंटर का है। एक सिरे पर राजा प्रयाग सागर बांध नजर आ रहा है।

## विश्व पर्यटन दिवस विशेष } धरोहरों को गुमनामी से बाहर निकालने में जुटे कोटा विवि के शिक्षक

# पर्यटन मानचित्र पर हाड़ौती की दस्तक

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हाड़ौती के चपे-चपे में बिखरे इतिहास, पुरातत्व, आस्था, कन्य और जैव सम्पदा के पुराने टिकने पुनिया के पर्यटन नक्शे पर दस्तक देने लगे हैं। इनकी बदौलत कोचिंग सिटी कोटा की नई पहचान कायम हो रही है। 'एक्सप्लोर द अनएक्सप्लोर्ड' सीरीज के तहत कोटा विश्वविद्यालय के शिक्षक पर्यटक स्थलों की एजुकेशनल ब्रांडिंग कर इलाके को पर्यटन स्थल के तौर पर विकसित करने में जुटे हैं। चर्खाई घोड़ी के किस्से तो तमाम सुने होंगे, लेकिन हाड़ौती में आने पर आपको यह कल्पना इककीकत बनती दिखाई देती है। यही झकलौती जगह है, जहां चर्खाई घोड़ी की विशालकाय प्रतिमाओं में उन्हे हाथियों को कान पकड़कर उखलते दिखाया गया है। बात आस्था की आती है तो हर कोई डेर की बन्दना उसके सामने खड़े होकर करता है, लेकिन ब्रह्मणी माता का मंदिर पुनिया का ऐसा अनोखा मंदिर है, जहां देवी की पीठ की पूजा होती है। मानव सभ्यता की शुरुआत के साथ त्रिपुरा, स्वर्गास्तक और त्रिकोण जैसे वैदिक प्रतीक चिन्हों के पूजन का प्रचीन प्रमाण हाड़ौती के भित्ति चित्रों में ही मिलता है।



मीनबाडी फाउलन पारोटी

### इतिहास और वर्तमान

तीन-तीन लेखाल सेंचुरी, जिनमें घडियालों से लेकर बाघ और हजारों पक्षियों की मौजूदगी बनी रहती है। औलाजेथ से अपनी लज बचाने के लिए देह त्यागने कनी वीरगानाओं की शौर्य गाथा बयां करता कन्य देह हो या फिर अयोध्या के सीता को आश्रय दे सकुस के जन्म का साक्षी बन महर्षि वाल्मीकि का आश्रम सीताबाड़ी। हर तरह के पर्यटक स्थल होने के बावजूद हाड़ौती हमेशा पर्यटन क्षेत्र में पीछे रहा है। कोटा विवि के वरिष्ठ एवं प्रबंधन संकाय की प्रोफेसर डॉ. अनुकृति शर्मा इनकी ब्रांडिंग में जुटी हैं। शोध पत्रों की 'एक्सप्लोर द अनएक्सप्लोर्ड' सीरीज के जरिए पर्यटक स्थलों की जानकारी बुनिया मर के वरिष्ठ और पर्यटन पाठ्यक्रम चलाने वाले शिक्षकलयों के सामने रख रही हैं।

### विदेशी विवि ने बढ़ाया हाथ

विदेशी विश्वविद्यालय भी इस मुहिम में शामिल होने के लिए आगे आ रहे हैं। दक्षिण अफ्रीका की युनिवर्सिटी ऑफ वेस्टर्न केप और इंग्लैंड की वीन विथ युनिवर्सिटी प्राचीन पर्यटन स्थलों के प्रमोशन के लिए आगे आई हैं। वहीं कैंडिड मेट्रोपोलिटन युनिवर्सिटी कन्य जीव सम्पदा प्रोत्साहित करने में रुचि दिखा रही है। साथ अफ्रीका के रोमनिय स्थित प्रकाशकों ने कन्य देह और चिन्तास के प्रमोशन में दिल्लीवर्सी दिखाई है। केन्द्रीय पर्यटन मंत्रालय ने इंस्टीट्यूट ऑफ टूरिज्म एण्ड ट्रेवल मैनेजमेन्ट के जरिए पर्यटन विकास के सुझाव मांगे थे। हाड़ौती में पर्यटन विकास की मुहिम को बढ़ावा देने के लिए यूजीसी ने भी डॉ. अनुकृति शर्मा को रिसर्च फेलोशिप अर्बाई की है।

विदेशी पर्यटकों को पुराना जानकारी मिलेगी तो यहां की खसियत जानकर वह देखने जरूर आरगे। बड़ी चीज यह है कि एजुकेशनल टूरिज्म को बढ़ावा दिया जा रहा है। इससे हाड़ौती में शोध की संभवनाएं बढ़ रही हैं। फिलहाल ही इन प्रयासों का फल विदेशी पर्यटकों की शख्त में हाड़ौती को मिलेगा। नन्दाल अलाउन, पूर्व जग निदेशक, पर्यटन

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# मजाक में सरनेम से पुकारना भी रैगिंग

**सख्ती : एंटी रैगिंग मॉनीटरिंग कमेटी ने तैयार किया डाफ्ट**

कोटा @ पत्रिका

अब यदि मजाक के लहजे में भी किसी छात्र या छात्रा को सरनेम से पुकारा गया तो उसे भी रैगिंग माना जाएगा। इतना ही नहीं, अब जूनियर ही नहीं सैनियर छात्र-छात्राएँ भी रैगिंग की शिकायत दर्ज कर सकेंगे। इसके लिए एंटी रैगिंग रेगुलेशन में बदलाव किया जा रहा है। यूजीसी इसके डाफ्ट तैयार कर चुकी है, जिसे आगामी शैक्षणिक सत्र से लागू कर दिया जाएगा। नए नियमों के अनुसार अब किसी भी छात्र-छात्रा को उसके



सरनेम, जाति, धर्म या राज्य के नाम के आधार पर न तो इंगित किया जा सकेगा और न ही बुलाया जा सकेगा। ऐसा करने पर उसे रैगिंग माना जाएगा।

पूर्वोत्तर और बिहार जैसे राज्यों के साथ-साथ छात्र-छात्राओं की ओर से जातिगत द्वेषता की शिकायतों में बढ़ोतरी होने के बाद यूजीसी ने यह बदलाव किया है। इसके साथ ही ट्रांसजेन्डर (किन्नरों) का मजाक

**माधवन कमेटी देती है निर्देश**

केंद्रीय मानव संसाधन विकास मंत्रालय के तहत गठित उसके माधवन कमेटी विश्वविद्यालय अनुदान आयोग (यूजीसी) को रैगिंग पर दिशा निर्देश देती है। यूजीसी एंटी रैगिंग कमेटी के मध्यम से सभी विश्वविद्यालयों और महाविद्यालयों से इन सिफारिशों का पालन कराती है। जिसकी एक रिपोर्ट सुप्रीम कोर्ट में भी दर्जित की जाती है। जरूरत के मुताबिक समय-समय पर इन रेगुलेशन में संशोधन किया जाता है।

उड़ाना भी रैगिंग माना जाएगा। पांच जून को यूजीसी मुख्यालय में एंटी रैगिंग मॉनीटरिंग कमेटी की बैठक बुलाई गई थी। जिसमें नए बदलावों को मंजूरी दी गई।

संशोधित एंटी रैगिंग रेगुलेशन में अब शिकायत सही पाए जाने पर आरोपी छात्र-छात्राओं के साथ-साथ कॉलेज के प्राचार्य और विभागाध्यक्ष के खिलाफ भी कार्रवाई की जाएगी।



प्रो. पी.के. दशोरा, कुलपति, कोटा विश्व

एंटी रैगिंग स्क्वाड और सेल गठित कर यूजीसी की ओर से जारी गाइडलाइन का पूरी तरह पालन कराया जाएगा।

Thu, 18 June 2015  
patrika.com/c/5596322

## ‘यम व नियम पहुंचा सकते हैं योग के अंतिम पड़ाव तक’

कोटा, (कास)। यम और नियमों की पूर्ण तरीके से पालना करके योग के अंतिम पड़ाव समाधि तक पहुंचा जा सकता है। यह बात कोटा विश्वविद्यालय के कुलपति प्रो. पी.के. दशोरा ने विश्व योग दिवस पर आयोजित कार्यक्रम में कही। उन्होंने कहा कि योग विभिन्न धर्मों को आपस में जोड़ता है। योग के अंशों की पालना नियमों से ही संभव हो सकती है।

कोटा विश्वविद्यालय में यह कार्यक्रम छात्र कल्याण अधिष्ठान तथा

डिजाईन इंडिया यूथ एसोसिएशन के संयुक्त तत्वाधान में आयोजित किया गया था। कार्यक्रम में विश्वविद्यालय के 170 विद्यार्थी, अधिकारी तथा शिक्षकों ने भाग लिया। प्रशिक्षण चतुर्भुज जोशी, मनीष राज तथा सुश्री रेखा द्वारा दिया गया। कार्यक्रम की शुरुआत प्रो. रोना दाधीच ने की तथा धन्यवाद डा. नोल् चौहान ने किया।

संचालन डा. विजय सिंह द्वारा किया गया वहीं भारत विकास परिषद चिकित्सालय प्रांगण में योग कार्यक्रम

आयोजित हुआ जिसमें विधायक संदीप शर्मा तथा भारत विकास परिषद हाइली दक्षिण प्रांत के अध्यक्ष राज कुमार गुप्ता मुख्य रूप से मौजूद रहे। दबलाना में आयोजित योग कार्यक्रम में सरपंच इन्द्रजीत वर्मा, उप सरपंच रामचरण सैनी, पंचायत सचिव रामलक्ष्मण पांचाल मौजूद रहे। लाखेरी में आयोजित कार्यक्रम में एसडीएम ममता तिवारी, लाखेरी नगर पालिका चैयरमैन राकेश सैनी, सहित अध्यापक अध्यापिकाओं तथा युवाओं ने भाग लिया।

Mon, 22 June 2015  
epaper.rashtradoot.com/c/5634854

कोटा विश्वविद्यालय में खेलकूद एवं सांस्कृतिक सप्ताह - 2016

## समूह नृत्य में जमकर थिरकी छात्राएं

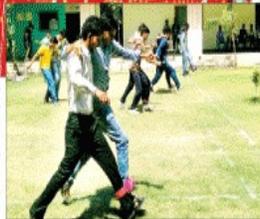
नगरपालिका

कोटा विश्वविद्यालय में खेलकूद एवं सांस्कृतिक सप्ताह - 2016 के चौथे दिन कश्मिरी पाठ, समूह गान, एकल गान, समूह नृत्य, एकल नृत्य, नाटक मंचन, मिमिक्री (नकल कर ना), चाद-बिचाद आदि प्रतियोगिताएँ सम्पन्न हुईं। जिसमें छात्र-छात्राओं ने बड़-चकर भाग लिया।

सैनियर को हार्द साइको को कश्मिरी पाठ प्रतियोगिता में दिलीप गबलोत ने प्रथम व ओमप्रकाश नारन ने द्वितीय स्थान प्राप्त किया। तो लड़कियों में अर्पुषा रावल, शालिनी शुक्ला ने संयुक्त रूप से प्रथम स्थान प्राप्त किया। समूह गान प्रतियोगिता में कृष्ण कुमार ने प्रथम व एकल गान प्रतियोगिता में मुरार अली को प्रथम रहे। सामूहिक नृत्य प्रतियोगिता में सदीप जोषि एवं डॉली शर्मा को विजय घोषित किया। एकल नृत्य में प्रदीप जोषि को प्रथम व डॉली शर्मा को प्रथम स्थान मिला। नाटक मंचन में सदीप जोषि एवं ओमप्रकाश नारन विजेता रहे। मिमिक्री को



कोटा विश्व में समूह नृत्य करती छात्राएं। व तीन टांग बैंड में भाग लेते छात्र। -टीएस



प्रतियोगिता में ओमप्रकाश नारन को प्रथम, चद-बिचाद में अर्पुषा रावल व डॉली शर्मा को संयुक्त रूप से विजेता घोषित किया।

## कोटा विवि बना चैम्पियन



अंतर महाविद्यालय बॉस्केटबॉल प्रतियोगिता में विजेता टीम अतिथियों के साथ।

कोटा विश्वविद्यालय की अन्तर महाविद्यालयी बॉस्केटबॉल प्रतियोगिता का समापन बुधवार को रानपुर स्थित बालकृष्ण इंस्टीट्यूट में हुआ। फाइनल में कोटा विश्वविद्यालय की टीम ने राजकीय महाविद्यालय को हराकर चैम्पियनशिप हासिल की। संस्था के वाइस चैयरमैन अरविंद जोशी ने बताया कि श्री रामकृष्ण परमहंस कॉलेज द्वारा आयोजित प्रतियोगिता का रोमांचक अंत रहा। कोटा विश्वविद्यालय ने राजकीय महाविद्यालय को 59-58 पॉइंट से हराया। आयोजन सचिव विशाल

जोशी ने बताया की समापन समारोह के मुख्य अतिथि कोटा विश्वविद्यालय के कुलपति पी.के. दशोरा ने कहा कि खेल का सद्भाव हमेशा बना रहना चाहिए। विजेता टीम श्रेष्ठ सिद्ध करती है तो हारने वाली टीम दूसरे को जीत के लिए प्रोत्साहित करती है। कार्यक्रम में खेल निदेशक डॉ. विजय सिंह, पर्यवेक्षक डॉ. धीरेंद्र स्वसेना, चैयरमैन प्रतिनिधि डॉ. आशीष जोगरिया, डॉ.एस.ए. खान तथा सर्वोदय समूह के निदेशक ए.जी. मिर्जा मौजूद थे। संचालन डॉ. कमलेश दीक्षित ने किया। डॉ. प्राची दीक्षित ने अतिथियों को स्मृति चिन्ह भेंट किया।

Thu, 03 December 2015  
epaper.patrika.com/c/7456550

# कोटा विश्वविद्यालय में होगा अहर्ता भाषण

▶ पत्रिका मुहिम : कुलपति ने जारी किया आदेश, प्रशासन जुटा तैयारी में

▶ नाम वापसी के बाद प्रत्याशियों को मिलेगा विजन रखने का मौका

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कोटा विश्वविद्यालय योग्यता के आधार पर छात्र नेता चुनने वाला प्रदेश का पहला विश्वविद्यालय बनने जा रहा है। कुलपति प्रो. पी.के. दशोग ने सोमवार को छात्रसंघ चुनावों में अहर्ता भाषण करने का आदेश जारी कर दिया। इसके बाद विवि प्रशासन इसकी तैयारियों में जुट गया है।

राजस्थान के छात्रसंघ इतिहास में पहली बार शक्ति प्रदर्शन के बजाय छात्र नेता की योग्यता को परख कर छात्र मतदान करेंगे। राजस्थान पत्रिका की मुहिम को आगे बढ़ाते हुए कोटा विश्वविद्यालय ने इस बार छात्रसंघ चुनावों में अहर्ता भाषण करने की घोषणा कर दी। कुलपति प्रो. दशोग ने सोमवार को विवि प्रशासन और छात्रसंघ चुनाव समिति को आदेश जारी कर दिया। कुलपति ने बताया कि नाम वापसी के बाद जो प्रत्याशी मैदान में बचे रह जाएंगे, उन्हें अहर्ता भाषण में शामिल किया जाएगा।

**समिति तय करेगी तारीख :** कोटा विवि छात्रसंघ चुनाव संचालन



समिति की बैठक में तय हुआ कि यदि नाम वापसी के बाद कम प्रत्याशी मैदान में बचे तो उसी दिन अहर्ता भाषण करा दिया जाएगा। यदि प्रत्याशियों की संख्या ज्यादा रही तो अगले दिन अहर्ता भाषण आयोजित किया जाएगा।

**15 मिनट में रखनी होगी बात :** कुलपति प्रो. दशोग ने बताया कि विवि में पहली बार अहर्ता भाषण कराया जा रहा है। नई शुरुआत को लेकर प्रत्याशी थोड़े असहज होंगे इसलिए उन्हें अपनी योजना और विचार रखने के लिए 15 मिनट का समय दिया जाएगा। हालांकि प्रत्याशियों की संख्या अधिक होने पर समय सीमा को कम भी किया जा सकेगा। चुनाव कार्यक्रम के साथ ही अहर्ता भाषण की तारीख और समय भी जारी कर दिया जाएगा, ताकि विवि के अधिक से अधिक छात्र अपने भावी नेता का योग्यता के आधार पर चुनाव करने के लिए कार्यक्रम में मौजूद हों।

कोटा विवि के अकेडमिक ब्लॉक में हुआ अहर्ता भाषण

# प्रत्याशियों को मिला मंच, रखा अपना पक्ष

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कोटा विश्वविद्यालय में छात्रसंघ चुनाव के तहत सोमवार को अहर्ता भाषण का आयोजन किया गया। यहां अकादमिक भवन के हॉल में कार्यक्रम का उद्घाटन समन्वयक प्रो.राजीव जैन के उद्बोधन से शुरू हुआ। इसके बाद महासचिव पद के प्रत्याशी अक्षय जैन, शानु कुमार गुप्ता व सागर जोशी ने अपनी बात रखी। छात्रों ने विश्वविद्यालय की व्यवस्थाओं में सुधार के लिए प्रयास करने को बात कही। इसके अलावा छात्रों के लिए सुविधाओं की बढ़ती करने का संकल्प देकराया।

छात्रों ने दस मिनट के संक्षिप्त उद्बोधन में एक वर्ष में किए जाने वाले कार्यों की रूपरेखा भी बताई। कुछ विद्यार्थियों ने विद्यार्थियों के लिए मूलभूत सुविधाएं उल्लेख नहीं होने की बात उठाते हुए कहा कि विश्वविद्यालय प्रशासन का ध्यान इस तरफ आकृष्ट किया जाएगा और कक्षा-जस्तक पढ़ी तो ऑनलाइन किया जाएगा। प्रत्याशियों ने कहा कि छात्रसंघ विद्यार्थियों के हक के लिए लड़ता रहेगा। सकारात्मक कार्यों में विवि का पूरी तरह से समर्थन भी किया जाएगा।



अहर्ता भाषण कार्यक्रम में अपने विचार व्यक्त करती प्रत्याशी।

पत्रिका

## अध्यक्ष को रोका

अहर्ता भाषण के दौरान छात्रसंघ अध्यक्ष लोकेश गुंजल व समर्थक नरेन्द्राजी करते हुए मंच तक पहुंचे। भाषण शुरू हो चुके थे। इस दौरान गुंजल मंच पर पहुंचे और कुर्सी पर बैठने लगे। इस पर कार्यक्रम में मौजूद छात्रों ने हल्ला मचाना शुरू कर दिया। विश्वविद्यालय प्रशासन ने उसे रोका और दर्शक दीर्घ में बैठने को कह दिया। प्रो.राजीव जैन ने बताया कि चुनक प्रीक्या अभी पूरी नहीं हुई है। महासचिव के लिए ही अहर्ता भाषण था, इसलिए किसी अन्य को बोलने की अनुमति नहीं दी जा सकती। इस दौरान प्रोक्टर डॉ. चक्राणि गोताम, केआर चौधरी व अन्य अधिकारियों ने लोकेश व समर्थकों से समझाइश की।

## यहां कोई प्रचार नहीं

विवि परिसर में प्रचार-प्रसार के लिए स्थान भी आरक्षित किया गया है। इसके लिए विशेष फ्लेक्स भी लगाए गए, लेकिन किसी भी प्रत्याशी द्वारा इन स्थानों पर प्रचार नहीं किया गया। ये बोर्ड सोमवार को भी खाली ही रहा।

## कॉलेजों में तैयारियां

शहर के कॉलेजों में मतदान को लेकर तैयारियां शुरू हो गई हैं। बृधवार को होने वाले मतदान के लिए प्रवेश की व्यवस्था करा रहेगी, इस पर मंथन हो चुका है। कॉलेजों में तम्बू लगाना शुरू हो चुके हैं। इसके अलावा सामान्य निर्देश चर्चा किए जाने लगे हैं।

patrika.com Tue, 11 August 2015  
epaper.patrika.com/c/6184051

patrika.com Tue, 25 August 2015  
epaper.patrika.com/c/6314354

## कोटा विवि में होगा यूथ फेस्टिवल ♦ अंतर विवि खेल प्रतियोगिताओं पर भी ठोका दावा

# युवा प्रतिभाओं को मिलेगा मंच

कोटा @ पत्रिका सीमित संसाधनों के बावजूद कोटा विवि छात्रों के मल्टी स्किल्स डवलपमेंट की तैयारी में जुटा है। शुरुआत यूथ फेस्टिवल के आयोजन से होगी। विश्वविद्यालय और उससे संबद्ध सभी महाविद्यालय के छात्रों को एक मंच पर जुटने का मौका मिलेगा। इस दौरान खेल, सांस्कृतिक, कला और संगीत समेत तमाम प्रतियोगिताएं होंगी। खास मुद्दों पर व्याख्यान और सेमिनार का आयोजन यूथ



फेस्टिवल का मुख्य आकर्षण होगा। कोटा विवि की नजर अंतर विश्वविद्यालयी खेल प्रतियोगिताओं के आयोजन पर भी टिकी है। विवि कम से कम दो प्रतियोगिताओं खो-खो और बॉलीबॉल की मेजबानी हासिल करने की कोशिश में जुटा है। हालांकि नजर तो और भी खेलों के

## विवि कराएगा प्रतियोगी परीक्षाओं की तैयारी

छात्रों का रुझान प्रतियोगी परीक्षाओं की ओर बढ़ने के लिए कोटा विश्वविद्यालय विशेष कोचिंग शुरू करने की तैयारी में है। हालांकि इसकी शुरुआत पहले विवि के छात्रों के लिए की जाएगी। रुझान बढ़ा तो बाहरी छात्रों को भी प्रवेश का अवसर दिया जाएगा। विवि विशेषज्ञ के तौर पर विवि और महाविद्यालय

ही नहीं बाहरी शिक्षकों को भी प्रतियोगी परीक्षाओं की तैयारी करने के लिए कोचिंग से जोड़ा जाएगा। कुलपति प्रो. पी.के. दशोग ने छात्रों के बहुआयामी विकास की योजनाओं को अमली जामा पहनाने के लिए छात्रसंघ अध्यक्ष लोकेश गुंजल और महासचिव सागर जोशी के तौर पर विवि और महाविद्यालय

आयोजन पर है, लेकिन संसाधन सीमित होने से जो आयोजन

आसानी से हो सके, उन्हें ही हासिल करने का प्रयास किया जा रहा है।

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**नाए कोर्स, कॉलेज और नियुक्तियों की मांग को टाल गए मंत्री**  
**खाली ही रह गई कोटा की झोली**

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प्रति में पिक्चर का टिकट कैसे मिले, बस्ती में प्रती कैसे चले, कैटिंग में रियाजत कैसे मिले और ना मिले तो छात्राया-तोड़फोड़ कर छात्रों को कैसे उदया जाए। छात्रनेताओं को इस सोच से ऊपर उठना होगा तभी वजनीति की पाठशाला का मकसद पूरा होगा। छात्रसंघ भवन का उद्घाटन करने कोटा विश्वविद्यालय पहुंचे उच्च शिक्षा मंत्री ने छात्रों को स्कारात्मक दिशा में कार्य करने के लिए प्रेरित किया।

उच्च शिक्षा मंत्री कालीचरण स्याफ ने छात्र संघ पदाधिकारियों को इंगित करते हुए कहा, ऐसा अनुकूल समय आपको नहीं मिलेगा, केन्द्र व राज्य में आपकी सरकार है और कुलपति भी आपका है। इसलिए विजय जगमग हो सके स्कारात्मक दिशा में कार्य करें। बिना का हर छात्र सुनिश्चित करें कि वह एक ग्रीब छात्र को मुफ्त में पढ़ाएंगे। शिक्षक महीने में एक बार शहर के किसी एक हिस्से की सफाई करने का संकल्प लें। मंत्री ने छात्रसंघ की ई-पत्रिका विजयी भव

# जुगाड़ और तोड़फोड़ से ऊपर उठें छात्र



कोटा विश्वविद्यालय छात्रसंघ कार्यालय का उद्घाटन करते उच्च शिक्षा मंत्री कालीचरण स्याफ।

## एक महीने में नियामक आयोग

उच्च शिक्षा मंत्री ने कहा कि निजी विश्वविद्यालयों और महाविद्यालयों की निगरानी के लिए अगले एक महीने में नियामक आयोग का गठन कर दिया जाएगा। यह आयोग

फर्जी कोर्स और डिग्रियों पर लगाम कसने के साथ ही सभी निजी संस्थानों में एक समान शुल्क व्यवस्था लागू करने का काम करेगा।

## संशय बढ़ा गए मंत्री

मंत्री के दौर को लेकर कोटा के शिक्षा जगत में खाली उजगीदे लगा रखीं ही को दिन के दौर में लगभग महीने मंत्री रखीं गईं, लेकिन मंत्री आकाशवाणी बिना ही जयपुर रुकना ही गए। शिक्षकों, छात्रों और विधायकों ने कोट के तीनों बर महाविद्यालयों को मस्टी फेकट्टी बनाने के साथ ही उनके लिए अधिक संसाधन उपलब्ध करने की मांग उच्च शिक्षा मंत्री के सामने रखी थी। अंता दूरी करने का आश्वास देने के बजाय मंत्री ने बहवाय कि पुत्र कॉलेजों का विघटन किया गया तो उन्हें यूजीसी से फंड नहीं मिलेगा। ऐसी स्थिति में उनके शिष्य का रास्ता खुला है। मंत्री के बयान से एक बार फिर बर महाविद्यालयों के बजड़ को लेकर संशय खड़ा हो गया है। वहीं दूसरी ओर कोटा में डिप्लोमा आईटी के निर्माण में हो रही देरी का टीकरा भी उन्होंने केन्द्र सरकार के लिए फंड दिए। बोले, राज्य को फिर जमीन आकटित करके देनी थी, भवन का निर्माण केन्द्र को करना था। काम करी शुरू नहीं हो पाया इसकी जानकारी नहीं।

# विद्यार्थियों-शिक्षकों के बीच हुई 'रस्साकसी'

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कोटा विश्वविद्यालय में खेलकूद एवं सांस्कृतिक सप्ताह की शुरुआत बुधवार को रस्साकसी प्रतियोगिता से हुई।

उद्घाटन मैच में शिक्षक और कर्मचारियों को हराकर छात्रों के समूह ने जीत दर्ज की। कार्यक्रम का उद्घाटन करते हुए कुलपति प्रो. पीके दशोब ने छात्रों को प्रेरित करते हुए कहा कि जीत-हार से ज्यादा जरूरी है कि छात्र-छात्राएं इन गतिविधियों का हिस्सा बनें। सक्रिय भागीदारी से उनकी बहुमुखी प्रतिभा का विकास होगा और सफलता हासिल करने के तरेके सीख सकेंगे। डीएसपी सिद्धांत शर्मा ने छात्रों को खेलों का महत्व बताते हुए कहा कि इनके जरिए जीवन में अनुशासन आता है और हार के क्षणों को आत्मसात कर जीत का तरीका सीखने का मौका मिलता है। छात्रसंघ अध्यक्ष लोकेश गुंजल ने आयोजन के बारे में जानकारी दी। उद्घाटन सत्र में डीन डीएसडब्ल्यू प्रो. पीन दधीच, डॉ. ओपी श्रद्धी, ओम गुंजल, तीथ संगी, डॉ.



कोटा विश्वविद्यालय में बुधवार से शुरू हुए सांस्कृतिक सप्ताह के तहत आयोजित रस्साकसी प्रतियोगिता में जोर-अजगड़बड़ करते छात्र।

## खेल परिणाम

<b>म्यूजिकल चेर - छात्र</b> विजेता : लखनवी उप विजेता : भद्रना गुना सह विजेता : मीनाक्षी गौतम	<b>हस्तरेज - छात्र</b> प्रियंका चौधरी और लक्ष्मी के बीच होगा फाइनल
<b>टेबिल टेनिस - छात्र</b> विजेता : अमीषा शर्मा उप विजेता : मनीषा मीणा	<b>रस्साकसी</b> विजेता : टीम छात्र उप विजेता : टीम शिक्षक-कर्मचारी
<b>टेबिल टेनिस - छात्र</b> विजेता : लीखा उप विजेता : अशुतोष	<b>म्यूजिकल चेर - छात्र</b> विजेता : वंद बिहारी मीण उप विजेता : राज सिंह नगर सह विजेता : लोकोदर सिंह रठोर

एंगल हेड़ा, डॉ. विनय सिंह, संजीव दुबे और चक्रवर्ती गौतम समेत विवि के शिक्षक, छात्र और कर्मचारी उपस्थित थे।

# छात्राओं के नाम रही दूसरे दिन की प्रतियोगिताएं



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इनमें छात्राओं ने बह-चढ़कर भागेदारी की। छात्रसंघ अध्यक्ष लोकेश गुंजल ने बताया कि छात्रों के बीच हुई कबड्डी में सामाजिक विज्ञान विभाग के छात्रों ने बीएससी छठवें सेमेस्टर के छात्रों को हरा कर प्रतियोगिता जीत ली। वहीं छात्रा वर्ग में रसायन शास्त्र विभाग की छात्राएं भौतिक शास्त्र विभाग की छात्राओं पर

भारी पड़ीं। शतरंज का फाइनल मुकाबला रसायन शास्त्र विभाग की छात्राओं के बीच हुआ।

इसमें लक्ष्मी शाक्यवाल ने प्रियंका चौधरी को हराकर प्रतियोगिता अपने नाम की। वहीं बैडमिन्टन में शारीरिक शिक्षा विभाग की शिखा मीणा ने फिजिक्स की मीनाक्षी को सीधे मुकाबले में हरा दिया। रस्साकसी में केमिस्ट्री की छात्राओं को हराकर एमपीएड की छात्राओं ने जीत दर्ज की।

## आज का कार्यक्रम

**सुबह 10 बजे :** लायंस क्लब कोटा की ओर से झालावाड़ रोड स्थित लायंस भवन में मि:डुल्क नेत्र चिकित्सा शिविर लगाया जाएगा।

# जब जरूरत होगी तब मिलेगा रक्त

► पं. दीनदयाल उपाध्याय जयन्ती पर कॉलेज और विवि में हुआ रक्तदान, 392 यूनिट एकत्र

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पंडित दीन दयाल उपाध्याय की जयंती पर शुक्रवार को छात्रों और शिक्षकों ने 392 यूनिट रक्तदान किया। कोटा विश्वविद्यालय और राजस्थान तकनीक विश्वविद्यालय के साथ-साथ 30 राजकीय महाविद्यालयों और निजी डिग्री कॉलेज के छात्र एवं शिक्षकों ने उत्साह के साथ रक्तदान किया। पूरे साल अब जरूरतमंद मरीजों को रक्त की कमी से जूझना नहीं पड़ेगा।

जब जिस ब्लड ग्रुप का खून चाहिए होगा महज एक फोन कॉल पर उपलब्ध हो सकेगा। शुक्रवार को उच्च शिक्षण संस्थानों में आयोजित रक्तदान शिविरों में 3500 हजार छात्रों ने संकल्प पत्र भरे कि वह किसी भी जरूरतमंद के लिए कभी भी रक्तदान को तैयार है। इन छात्र-छात्राओं की सूची स्वास्थ्य विभाग को भेज दी गई है। विभाग एक



राजकीय महाविद्यालय में आयोजित शिविर में रक्तदान करते छात्र।

डायरेक्टरी छपवाएगा और अस्पतालों को भेजेगा। जहाँ जरूरत पड़ने पर इन छात्रों को बुलाया जा सकेगा।

उच्च शिक्षण संस्थानों में रक्तदान शिविर की शुरुआत सुबह साढ़े नौ बजे हुई। शाम पांच बजे तक आरटीयू के शिक्षक एवं छात्रों ने 150 यूनिट और कोटा विश्वविद्यालय के शिक्षकों व छात्रों ने 75 यूनिट रक्तदान किया। राजकीय महाविद्यालय में बने शिविर में 65 यूनिट, जेडीबी कॉलेज व कॉमर्स कॉलेज में 51-51 यूनिट रक्तदान किया। वहीं राजकीय महाविद्यालय रामगंजमंडी में 51 और राजकीय महाविद्यालय सांगोद में 76 यूनिट रक्तदान किया गया।



आरटीयू में आयोजित शिविर में रक्तदान करते छात्र-छात्राएं।



कोटा विश्वविद्यालय में आयोजित शिविर में रक्तदान करते हुए।

## पंडितजी को याद किया

पंडित दीनदयाल उपाध्याय की जयंती पर शुक्रवार को भाजपा शहर जिला की ओर से संगोष्ठी आयोजित की गई एवं सुबह 9 बजे टिपटा में पंडितजी की प्रतिमा पर माल्यार्पण किया। इस मौके पर मुख्य अतिथि शहर जिलाध्यक्ष हेमंत विजयवर्गीय ने कहा कि दीनदयाल उपाध्याय का जीवन बहुआयामी और प्रेरणास्पद था। उनके हर विषय पर शोध किया जा सकता है। जनजाति मोर्चा के प्रदेश महामंत्री प्रहलाद पंवार ने कहा कि पंडितजी ने जिस संगठन पद्धति के आधार पर राष्ट्रवादी राजनीति को खड़ा किया, उसी का परिणाम है कि देश में आज पूर्ण बहुमत की राष्ट्रवादी सरकार चल रही है। भाजपा के जिला महामंत्री एवं पंडित दीनदयाल उपाध्याय स्मृति मंच के प्रदेश उपाध्यक्ष अरविंद सिसौदिया ने पंडितजी के जीवन पर प्रकाश डाला। पूर्व मुख्य सचेतक रविन्द्र सिंह सोलंकी ने भी संबोधित किया। इस मौके पर भाजपा के जिला उपाध्यक्ष कृष्ण कुमार सोनी रामबाबू, पूर्व महामंत्री नेता खंडेलवाल, जिला उपाध्यक्ष विशाल जोशी सहित काफी कार्यकर्ता मौजूद थे।

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# कलम छोड़ छात्रों ने उठाई झाड़ू

**कोटा विवि में चला सफाई अभियान**  
कोटा. लौह पुरुष की जयंती पर कोटा विश्वविद्यालय के छात्रों ने अकादमिक परिसर में सफाई अभियान चलाया। वहीं भारतीय जनता पार्टी ने गुमानपुर स्थित लौह पुरुष की प्रतिमा पर माल्यार्पण कर उन्हें श्रद्धांजलि अर्पित की।

कोटा विवि में शनिवार सुबह से ही अलग नज़ार था। अकादमिक परिसर की खिड़कियों के पर्दे उतारने के बाद छात्र-छात्राएं उन्हें धोने में जुट गए। क्लास रूम का फर्नीचर निकाला और अच्छे से साफ किया। कक्षाओं में झाड़ू लगाई और पानी से धुलाई की। छात्रसंघ अध्यक्ष लोकेश गुंजल और महासचिव सागर जोशी के साथ सभी छात्र सफाई में तल्लीन दिखे। कुलसचिव डॉ. अंबिकादत्त चतुर्वेदी और प्रो. राजीव जैन समेत सभी शिक्षकों ने छात्रों का हाथ बंटाया।

**भाजपा ने दी श्रद्धांजलि :** भाजपा ने भी लौह पुरुष को श्रद्धांजलि अर्पित की। गुमानपुर

स्थित गुजराती समाज भवन में जयंती समारोह आयोजित किया गया। इसमें कोटा देहात और शहर जिला के पदाधिकारी शामिल हुए। शहर जिला अध्यक्ष हेमंत विजयवर्गीय ने कहा कि सैकड़ों देशी सियासतों को एक सूत्र में बांधकर गणराज्य की कल्पना भी सरदार पटेल के बिना अधूरी है। हैदराबाद से लेकर जूनागढ़ और जम्मू-कश्मीर की सियासतों को भारत में शामिल करना सिर्फ पटेल के ही बस में था। पटेल नहीं होते तो अंग्रेज पाकिस्तान की तरह भारत को दर्जनों टुकड़ों में बांटने में सफल हो जाते। कोटा देहात जिलाध्यक्ष जयवीर सिंह ने कहा कि कोटा ने पटेल के अखंड भारत मिशन का शुरुआत से साथ दिया। कोटा की रह पर राजस्थान की सभी सियासतों ने अखंड भारत की कल्पना को साकार करने में बड़े-चढ़कर भागेदारी की। इस अवसर पर जिला महामंत्री अरविंद सिसौदिया समेत बड़ी संख्या में पार्टी पदाधिकारी मौजूद रहे।

## रन फोर यूनिटी



पटेल जयंती भाटिया एण्ड कम्पनी, राजस्थान कौशल एवं आजीविका विकास निगम की ओर से राष्ट्रीय एकता दिवस के रूप में मनाई गई। कार्यक्रम प्रभारी दुषंत जोशी ने लोगों से राष्ट्र की एकता, अखण्डता को बनाए रखने का आह्वान किया। आरएसएलडीसी में प्रशिक्षण प्राप्त कर रहे युवकों ने रन फोर यूनिटी आयोजित की। कार्यक्रम समन्वयक विजय नामा ने आभार व्यक्त किया।

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केन्द्रीय कृषि मंत्रालय ने लॉन्च किया क्राॅप इन्श्योरेंस पोर्टल और मोबाइल एप

# फसल बीमा के नए प्रारूप से रुकेगा किसानों की मौत का सिलसिला

राजस्थान पत्रिका  
एक्सक्लूसिव

किसानों को ज्यादा फायदा पहुंचाने के लिए सरकार ने बदला योजना का प्रारूप

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अब आंधी आए या तूफान, ओले गिरे या फिर सूखा पड़े, किसान को फसल खराबे की चिंता नहीं करनी पड़ेगी। खेत में बीज बोने के बाद से खलिहान और घर लाने तक फसलों को बीमा की पूरी सुरक्षा मिलेगी। वह भी दलालों के चंगुल से पूरी तरह मुक्त। किसान घर बैठे ही मोबाइल के जरिए अपनी फसलों का बीमा कर सकेंगे और खराब होने पर बीमा राशि स्वीधे उनके खाते में आएगी।



केंद्रीय कृषि एवं कृषक कल्याण मंत्रालय ने कृषि बीमा का सुरक्षा कवच किसानों तक पहुंचाने के लिए क्राॅप इन्श्योरेंस नाम से पोर्टल और मोबाइल एप लॉन्च किया है।

इंडियन सोसाइटी ऑफ एग्रीकल्चरल स्टेटिस्टिक्स की वार्षिक कॉन्फ्रेंस में शामिल होने कोटा आए राष्ट्रीय फसल बीमा कार्यक्रम उतखदेश के निदेशक वी.के. सिंह ने राजस्थान पत्रिका से विशेष बातचीत करते हुए बताया कि फसल बीमा योजना तो वर्ष 2009 से शुरू कर दी गई थी, लेकिन तब खेत में खड़ी फसल को बीमित करने की सुविधा किसानों को नहीं दी गई थी, जबकि खड़ी फसल ही सबसे ज्यादा असुरक्षित

होती है। पुरानी खामियों को दूर करने के बाद सरकार अब राष्ट्रीय फसल बीमा कार्यक्रम (एनसीआईपी) को मिशन मोड में चला रही है।

नई व्यवस्था के मुताबिक, अब बुवाई के बाद और कटाई से पहले प्राकृतिक आपदा के कारण 75 फीसदी फसल खराब होती है तो किसानों को बीमित राशि का 25 फीसदी बीमा कवर मुहैया कराया जाएगा। ऐसे ही कीड़ा लगने पर यदि 50 फीसदी या उससे ज्यादा फसल खराब होती है तो कुल बीमित राशि की 25 फीसदी रकम कवर के रूप में मिल सकेगी। इससे किसान को लागत डूबने की फिक्र नहीं रहेगी। इतना ही नहीं यदि किसी कारण से फीसदी फसल नष्ट हो जाती है तो किसान को बीमित धनराशि का पूरा क्लेम दिया जाएगा। इस तरह के कवर की सुविधा पहले नहीं थी।

**मोबाइल एप करेगा मदद**

वीके सिंह ने बताया कि पुरानी योजना ज्यादा लाभदायक नहीं थी, इसलिए देश भर में सिर्फ 10 से 15 फीसदी किसान ही अपनी फसलों का बीमा करा कर मुसौबतों से लड़ने में सक्षम हो पाए। ज्यादा से ज्यादा किसानों को आत्मनिर्भर बनाने के लिए कृषि एवं सहकारिता विभाग ने क्राॅप इन्श्योरेंस नाम से मोबाइल एप और पोर्टल लॉन्च किया गया है। एंड्रॉयड मोबाइल पर इस एप को डाउनलोड कर न सिर्फ अपनी जमीन और फसल के हिसाब से सही प्रीमियम पता किया जा सकता है, बल्कि प्रीमियम जमा करने से लेकर नुकसान होने पर बीमित राशि खाते में आने तक की जानकारी हासिल की जा सकती है। योजना में किसी तरह का फर्जीवाड़ा या मनाफाखोरी न हो, इसलिए बीमा एजेंटों पर निरभंता खत्म कर पूरी तरह से पारदर्शी ऑनलाइन तंत्र विकसित किया गया है।



कोटा विवि में आयोजित आईएसएस की वार्षिक कॉन्फ्रेंस को संबोधित करते वक्ता।

पत्रिका

## खाद्य प्रसंस्करण को बनाएं लघु उद्योग

आईएसएस की राष्ट्रीय कॉन्फ्रेंस में दूसरे दिन छाप रहे हाइड्रोपॉनिक कृषि सांख्यिकी वैज्ञानिकों ने छोटी इकाइयों के विकास पर दिया जोर

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इंडियन सोसाइटी ऑफ एग्रीकल्चरल स्टेटिस्टिक्स (आईएसएस) के वार्षिक अधिवेशन में दूसरे दिन हाइड्रोपॉनिक कृषि सांख्यिकी वैज्ञानिकों ने किसानों की उपज का सही मुनाफा दिलाने के लिए खाद्य प्रसंस्करण इकाइयों की स्थापना लघु उद्योग के रूप में करने पर जोर दिया। फसलों का खराबा बेकने के लिए और क्राॅप डायवर्सिफिकेशन में मदद करने के लिए किसानों तक ज्यादा से ज्यादा पूर्वानुमान पहुंचाने की मांग उठी।

अधिवेशन के दूसरे दिन पांच तकनीकी सत्र आयोजित किए गए। स्थानीय मांग के अनुरूप खाद्य प्रसंस्करण एवं मूल्य संवर्धन पर

वैज्ञानिकों को किया सम्मानित

इस मौके पर डॉ. अभिषेक राठौर को डॉ. झीएन लाल मेमोरियल लेक्चर अवार्ड और डॉ. अर्पण भौमिक को डॉ. जीआर सेठ मेमोरियल यंग साइंटिस्ट अवार्ड प्रदान किया

गया। इस दौरान कोटा विवि के प्रो. एनके जैन, प्रो. आरू रानी, डॉ. धनश्याम शर्मा, डॉ. भवानी सिंह, डॉ. नम्रता सेंगर और डॉ. अंकित आरिफ शिक्षक और छात्र मौजूद रहे।

विशेष सत्र आयोजित किया गया। महाराणा प्रताप कृषि एवं तकनीक विश्वविद्यालय के प्रोफेसर डॉ. एनके मुर्दिया ने बताया कि दुनिया का 17 फीसदी दुग्ध उत्पादन हमारे देश में होता है। घरेलू बाजार में दूध और उससे बने उत्पादों की मांग लगातार बढ़ रही है, लेकिन इसके बावजूद भी आधारभूत ढांचे की कमी है। ज्यादातर पशुपालकों के पास दूध देने वाले सीजनल पशु हैं। गुणवत्ता को लेकर लगातार सवाल उठते रहते हैं। ऐसे में खेती-बाड़ी के साथ ही पशुपालन के लिए आर्थिक मदद देकर न सिर्फ किसानों के खाली समय का इस्तेमाल किया जा सकता है, बल्कि उनकी आर्थिक स्थिति भी सुधारी जा सकती है। दुग्ध व्यवसाय में सौ फीसदी विदेशी निवेश और टैक्स में छूट को मंजूरी देकर सरकार ने डेयरी उद्योग को

बहुत बड़ी मदद पहुंचाई है, लेकिन जब तक पशुपालक को इस मदद का लाभ नहीं मिलेगा, डेयरी व्यवसाय नहीं पनप सकता। प्रो. आरसी वर्मा और प्रो. एनके जैन ने ग्राम पंचायत और तहसील स्तर पर खाद्य प्रसंस्करण इकाइयों की स्थापना लघु उद्योग के तौर पर करने का जोर दिया। उन्होंने कहा कि इससे स्थानीय बेरोजगार युवाओं को रोजगार मिलेगा और किसानों को उनकी उपज का बेहतर दाम भी मिल सकेगा। हर साल खराब होने वाले खाद्यान्नों का 30 से 40 फीसदी स्टॉक का संरक्षण कर महंगाई जैसी दिक्कतों पर काबू पाया जा सकेगा। महाराजा सयाजीराव विवि की डॉ. विजयता सेंगर ने सोयाबीन का उदाहरण देते हुए खाद्य प्रसंस्करण उद्योग को बढ़ावा देने की खास जरूरत बताई।



वार्षिक कांफ्रेंस } कृषि सांख्यिकी वैज्ञानिकों ने शोध के तरीके बदलने पर दिया जोर

# किसान को केन्द्र में रख करने होंगे सारे शोध

इन्फॉर्मेटिक्स के प्रचलन और विशेष अध्ययन की उठी मांग

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कृषि सांख्यिकी में जब तक किसान को एक शोध इकाई के तौर पर शामिल नहीं किया जाएगा, तब तक उत्पादकता और उपज से लेकर खेत और फसल से जुड़े सारे आंकड़े अंधेरे ही होंगे। सदियों से यह गलती होती चली आ रही है। इससे पहले कि अन्याय का मोह भंग हो और दुनिया देने-दने के लिए मोहताज हो जाए, इसे सुधारना ही होगा। कोटा विश्वविद्यालय में आयोजित इंडियन सोसाइटी ऑफ एग्रिकल्चरल स्टैटिस्टिक्स (आईएसएस) की 69 वीं वार्षिक कांफ्रेंस को संबोधित करते हुए भारतीय सांख्यिकी आयोग के पूर्व सदस्य प्रो. पदम सिंह ने यह बात कही।

डॉ. सिंह ने देश भर से जुटे प्रमुख कृषि सांख्यिकी वैज्ञानिकों को संबोधित करते हुए कहा कि हम यहाँ किसानों की उम्मीदों पर खरा उतरसे



कृषि सांख्यिकी वैज्ञानिकों को सांख्यिकी विज्ञान पुरस्कार से सम्मानित करते डॉ.टीसीए अनन्त, डॉ. पद्म सिंह व अन्य।

के लिए जुटे हैं। इसलिए जलवायु परिवर्तन के प्रभावों का आकलन करने से लेकर फसलों की उत्पादकता बढ़ाने के साथ ही मिट्टी की उर्वरकता और किसानों की आर्थिक स्थिति सुधारने पर भी चिंतन करना होगा।

उन्होंने कहा कि इन सबके लिए पर्याप्त आंकड़े हमारे पास उपलब्ध हैं। बस जरूरत है उनके नए सिरे से विश्लेषण करने की। युवा वैज्ञानिकों को इस चुनौती को स्वीकार कर समस्या समाधान के लिए आगे आना होगा। नाभिकीय ऊर्जा वैज्ञानिक सीपी

शाम्ब ने कहा कि बढ़ती ऊर्जा जरूरतों को पूरा करने के लिए थर्मल पावर प्लांट पर जोर देने के बजाय अब नाभिकीय और सौर ऊर्जा स्रोतों को बढ़ावा देना होगा। यह किफायती होने के साथ ही पर्यावरण संरक्षण में भी बेहद मददगार साबित होंगे।

वहीं कोटा विवि के कुलपति प्रो. पीके श्याम ने सूचना प्रौद्योगिकी और सांख्यिकी को मिलाकर बनाए गए विषय सूचनामिति (इन्फॉर्मेटिक्स) के पठन-पाठन पर जोर देते हुए कहा कि इसके जरूरत किसानों तक ज्यादा से ज्यादा और सीधे जानकारियाँ

पहुँचाई जा सकती है। कृषि सांख्यिकी के प्रचार प्रसार में विशेष योगदान देने पर नरेंद्र देव कृषि विवि उत्तर प्रदेश के वरिष्ठ वैज्ञानिक डॉ. भूपेंद्र वीर सिंह सिसोदिया और प्रो. एसी कुलश्रेष्ठ को सांख्यिकी विभूषण सम्मान से सम्मानित किया गया।

इस अवसर पर मेडिकल कॉलेज के प्राचार्य डॉ. गिरीश वर्मा, डॉ. यूसी सुंदर, डॉ. सत गुप्ता, प्रो. एनके जैमन, प्रो. राजीव जैन, प्रो. आशु रानी, डॉ. धनश्याम शर्मा और डॉ. भवानी सिंह समेत देश भर के कृषि सांख्यिकी वैज्ञानिक मौजूद रहे।

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कोटा विश्वविद्यालय } दो दिवसीय राष्ट्रीय कार्यशाला शुरू, विद्यार्थियों को बताए सफलता के सूत्र

# अपराध नहीं है असफलता

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विद्यार्थी जीवन में सभावाओं और चुनौतियाँ विषय पर दो दिवसीय राष्ट्रीय कार्यशाला गुरुवार से कोटा विवि में शुरू हो गई। उद्घाटन समारोह कुलपति सचिवालय के सभागार हाल में हुआ।

मुख्य अतिथि राजस्थान विश्वविद्यालय के प्रो. रमेश अरोड़ा ने विद्यार्थियों को आत्मविश्वास एवं संवाद क्षमता बढ़ाने पर जोर दिया। उन्होंने कहा कि जीवन में आगे बढ़ना है तो ए.बी.सी के विषयों को ध्यान रखें। ए से एबीएल, बी से बिब्लियस व सी से करैक्टर तैयार जरूरी हैं। विद्यार्थी क्रोध से दूर रहें, हमेशा मुस्कुराते रहें। खाद रखें, असफलता गुनाह नहीं है। प्रयास बंद नहीं होने चाहिए। आत्मविश्वास बनाए रखें। प्लेसमेंट सेल के चेयरमैन प्रो.एन के जैन ने कहा कि



असफलता से हारे नहीं, बल्कि दुगुनी गति से लक्ष्य की तरफ बढ़ें। संचालन कार्यशाला समन्वयक डॉ. अनुकृति शर्मा ने किया। कार्यशाला में बुधवार को दूत विश्वविद्यालय के कुलपति प्रो. वी के

जैन और विख्यात विचारक पुणेप पंत का व्याख्यान होगा।

**साक्षात्कार के बतए गुर**

कार्यशाला में एमडीएस विवि के प्रो.

मनोज कुमार ने साक्षात्कार के बारे में जानकारी दी। उन्होंने कहा कि साक्षात्कार देने जाने से पहले कंपनी प्रोफाइल जरूर पता करें। फर्स्ट इम्प्रेशन की बात ध्यान में रखते हुए आगे बढ़ें और स्वभाविक रहें।

**धैर्य व हिम्मत जरूरी**

कार्यशाला की अध्यक्षता करते हुए कुलपति प्रो. एम एस शर्मा ने कहा कि धैर्य व हिम्मत ही सफलता के पथ पर आगे बढ़ा सकती है। हमेशा सकारात्मक ऊर्जा देने वालों से ही जुड़ें, ताकि सकारात्मक सोच सकें और आगे बढ़ सकें।

**व्यवहारिक बने**

विशिष्ट अतिथि आरटीयू के कुलपति प्रो. एन.एस. व्यास ने कहा कि कार्यशाला में शामिल विद्यार्थियों को प्रैक्टिकल ट्रेनिंग भी दें। देश में बेरोजगारी इसलिए ज्यादा है, क्योंकि पढ़े लिखे तो हैं, लेकिन स्किलड नहीं हैं। औद्योगिक संस्थानों और शिक्षण संस्थानों के बीच दूरियाँ अधिक हैं, ये दूरियाँ विश्वविद्यालय ही कम कर सकते हैं।

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क्वांटम यांत्रिकी पर कोटा विवि में व्याख्यान का तीसरा दिन

# क्वांटम यांत्रिकी विश्व को देगी बड़े आविष्कार, बनेंगे क्वांटम कंप्यूटर

नवज्योति/कोटा

प्रकृति के मूलभूत सिद्धांतों में क्वांटम सिद्धांत निहित है प्रकृति में जो कुछ भी घटित हो रहा है उनमें क्वांटम नियम भी है। इस युग में आने वाली सब तकनीक अब क्वांटम सिद्धांतों पर आधारित होगी। सूचनाओं का आदान-प्रदान भी क्वांटम यांत्रिकी पर आधारित होगा। विश्व को अत्याधुनिक तकनीक क्वांटम यांत्रिकी ही देगा। जिसके तहत अब जो कंप्यूटर आपसी थे क्वांटम कंप्यूटर होंगे जिसकी क्षमता वर्तमान कंप्यूटर से काफी अधिक होगी।

जिससे वह साबित हो जाता है कि आने वाले युग में क्वांटम यांत्रिकी विश्व को बड़े उपहार देने वाली है। क्वांटम यांत्रिकी की आने वाली उपलब्धियों को जानकारों के लिए दिखने की जवाबदारी नेहरू विवि के प्रो दीपक कुमार से बातचीत की तो उन्होंने बड़े अहम खुलासे



राष्ट्रीय स्कूल में क्वांटम यांत्रिकी के महत्व को समझाने प्रो दीपक कुमार एवं मिटाजमान विद्वान एसे छात्र-छात्राएं।



से बताया कि वह विश्व के लिए नए-नए आविष्कार देगा। कोटा विवि में चल रही क्वांटम यांत्रिकी की राष्ट्रीय स्कूल के दौरान मंगलवार को जेधपुर विवि के प्रो जेके शर्मा एवं दिल्ली की जेएनयू के प्रो दीपक कुमार ने अपने-अपने व्याख्यान दिए। जिनकी यहाँ उल्लेखित सभी छात्रों एवं विद्वानों ने बड़ी गंभीरता से सुनी।

## आएगी क्वांटम कम्प्यूटेशन तकनीक

उन्होंने बताया कि आने वाले विश्व में अब सूचनाओं का आदान-प्रदान क्वांटम कम्प्यूटेशन की तकनीक पर आधारित होगा। जिसके चलते अब सूचनाओं की गति त्वरित हो जाएगी।

## होगा क्वांटम टेलिपोर्टेशन संभव

प्रो दीपक कुमार ने क्वांटम यांत्रिकी के महत्व को उल्लेख करते हुए कहा कि इस विधि से ही कणों को सूक्ष्म अवस्था को भी आप एक स्थान से दूसरे स्थान पर उसी अवस्था में दूसरे स्थान पर ले जा सकते हैं चाहे वह कण अमेरिका में ही क्यों ना हो।

## होगे अब आपके मेसेज सुरक्षित

उन्होंने बताया कि आज आप जो मेसेज दूसरे को भेजते हो उसे किसी के द्वारा भी पढ़ा जा सकता है लेकिन अब क्वांटम इनफॉर्मेशन के तहत आपके मेज सुरक्षित हो जाएंगे। जिसे ना कोई पढ़ सकेगा और ना ही कोई उसे हक कर सकेगा।

6 क्वांसिफर एंव क्वांटम के बीच अंतर को क्लिफॉर्ट समझाए एवं आने वाले युग में इसकी क्या उपयोगिता है और यह क्या बने वाला है यह जानकर क्या अहसास होगा। इस राष्ट्रीय स्कूल में हमने बहुत कुछ सीखा है। ऐसे आयोजन विवि में होने टकल्य धरिए ताकि छात्रों को इस विश्व को समझने में आसानी हो सके।

-शालू जैन,एमएएससी,बर्ड सेम \*

6 हम क्वांटम यांत्रिकी की महत्ता को पूरी तरह से समझने का प्रयास कर रहे हैं एवं इसके साथ ही विशालता को अब जब रहे है वह अत्यंत का बहुत अच्छा प्लेटफॉर्म है वही आप किताबें खरीद सकते हैं,यह आयोजन उद्विगमरणीय है।

-हुनेरा खान,एमएएससी,बर्ड सेम \*

6 वहाँ पर बहुत सारे टॉपिक्स पर गंभीर हुआ और डिवाइज भी हुआ जो कि फोटोशाओ के डिजाइन से डिजाइन लिए बहुत महत्वपूर्ण है। हमसे यहाँ समाज भी पूरे शिक्षक हमसे जवाब भी दिए जो कि आज बड़े बड़े आने यह हमें संभव देगा इसके कोई अतिशयोक्ति नहीं है।

-नमित्त जैन,एमएएससी,बर्ड सेम \*

सौर ऊर्जा की संभावनाओं और भविष्य पर मंथन | दुनिया की सबसे बड़ी रसेइयां चलाने वाले ने दिया गरीब की रसेइ तक पहुंचने का मंत्र

# 'सोलर साइंटिस्ट नहीं, सोशल साइंटिस्ट बनो'

कोटा @ पत्रिका

दुनिया की आबादी जिस तेजी से बढ़ रही है, उसी तेजी से डीजल-पेट्रोल के भंडार खत्म होते जा रहे हैं। बिजली का उत्पादन मांग के मुताबिक एक चौथाई भी नहीं हो पा रहा और लकड़ी-कंटे जैसे प्राकृतिक ईंधन संसाधनों की पूर्ति करना बदलते दौर में असंभव है। ऐसे में ग्रैबों की रसेइ को सिर्फ सूरज की रोशनी का ही आस है। इसलिए सोलर साइंटिस्ट बनकर महंगे सौर ऊर्जा उत्पादन बनाने की बजाय सोशल साइंटिस्ट बनकर आम आदमी को जरूरतों को पूरा करने वाले संसाधन विकसित करने होंगे।

दुनिया की सबसे बड़ी रसेइयां में शुमार शिद्धी साई धम, निरुपति



कोटा विश्वविद्यालय में ड्रकवर को अघोषित एनर्जी मीट को सम्बोधित करते तोशल साइंटिस्ट दीपक गडिय व कार्यक्रम में उद्दिष्ट शिक्षक व शिक्षार्थी।



बालाजी मंदिर और ब्रह्माकुमारी ईश्वरिय विवि में सौर ऊर्जा तकनीक से हर रोज एक लाख से ज्यादा लोगों के लिए भोजन तैयार करने वाले सोलर इंजीनियर दीपक गडिया शुक्रवार को कोटा विश्वविद्यालय के छात्रों के बीच मौजूद थे। थोर एण्ड

एनएड मिनिक्स विभाग की ओर से आयोजित एक दिवसीय एनर्जी फेस्ट के मौके पर उन्होंने छात्रों को प्रोत्साहित करते हुए कहा कि यदि आप महज डिग्री हासिल करने के लिए पढ़ाई कर रहे हैं तो सफल लॉजिंग कि आपको नीकरी भी बड़ी मुश्किल

से मिलेगी। इसलिए वही पढ़िए, जिसे करने में आपको मजा आता है। लोग तंज कैसे तो उसे प्रेरणा के तौर पर लें और अपने ऊपर उठे सवालों का जवाब जुबान से देने के बजाय समस्या का समाधान करके दें। दीपक ने छात्रों को सोलर कुकिंग

की आधुनिक तकनीकियों से अवगत कराते हुए फूड प्रोसेसिंग, सोलर बेट्री, समुद्री जल को पीने योग्य बनाने, सोलर एयर कंडिशनिंग और सोलर शवदाह गृह जैसे अपने अविष्कारों के बारे में विस्तार से जानकारी दी। उन्होंने छात्रों का अहसास करते हुए कहा कि

आप सोलर साइंटिस्ट नहीं सोशल साइंटिस्ट बनें। गरीब की रसेइ को अपना लक्ष्य बनाएं और उसे कभी खत्म न होने वाली सौर ऊर्जा को वहाँ ज्यादा से ज्यादा पहुंचाने के लिए सुझाव और सस्ता बनाने के रास्ते खोजें।

राजस्थान के सोलर मैन के रूप में पहचाने जाने वाले कृषि विभाग के उपनिदेशक राजेंद्र सिंह ने भी छात्रों का मार्गदर्शन किया। कुलपति प्रो. पीके देशपा ने कहा कि राजस्थान में 250-300 दिन सूर्य की रोशनी उपलब्ध होती है। इसलिए सौर ऊर्जा के क्षेत्र में क्रांतिकारी सफलता हासिल की जा सकती है। एनजी मीट में कुलसचिव आंबिका दत्त चतुर्वेदी, प्रो. एनके जैन, डॉ. सोम्य शर्मा और डॉ. नम्रता सेगर समेत बड़ी संख्या में छात्रों ने भागीदारी की।

# जहां शांति, वहीं प्रगति है



कोटा विश्वविद्यालय में आयोजित व्याख्यान को संबोधित करते वक्ता व उपस्थित लोग।

## ■ कोटा विश्वविद्यालय में राष्ट्रीय सुरक्षा पर व्याख्यान

कोटा, कोटा विश्वविद्यालय के प्लेसमेंट एवं कान्सलिंग सेल ड्राय गुरुवार को राष्ट्रीय सुरक्षा पर व्याख्यान का आयोजन किया गया। कुलपति सचिवालय के सेमिनार हॉल में हुए व्याख्यान में अध्यक्षीय उद्बोधन में कुलपति प्रो. मधुसूदन शर्मा ने कहा कि

आज के युवा को भारतीय संस्कृति को जानना आवश्यक है। राष्ट्रीय सुरक्षा के लिए विद्यार्थियों को विनाशकारी ताकतों को समाप्त करना चाहिए। जिस देश में शांति व्यवस्था अच्छी है, वह प्रगति की ओर बढ़ रहा है। मुख्य अतिथि पूर्व एयर मार्शल आर.सी. वाजपेयी ने कहा कि राष्ट्रीय सुरक्षा सेना के साथ युवाओं की भी जिम्मेदारी है। पड़ोसी देश ने हमारे देश में अस्थिरता पैदा करने की कोशिश की, लेकिन असफल रहा। बाहरी व

आन्तरिक समस्याओं से निपटने के लिए सेना व आज के युवा वर्ग को मिलकर काम करना होगा। उन्होंने विद्यार्थियों को अनुशासित रहने और युवुगों का सम्मान व आत्मशक्ति को पहचानने की प्रेरणा दी।

छात्र कल्याण अधिष्ठाता प्रो. एन. के. जौनन ने आर्थिक, अन्तरराष्ट्रीय संबंधों, विदेश नीति व सामाजिक मुद्दों पर विद्यार्थियों में जागरूकता पैदा करने की बात कही। प्रो. एस.सी. राजोर ने धन्यवाद ज्ञापित किया।

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## ओरियंटेशन बढ़ती है अध्यापन की गुणवत्ता: कोशिक

कोटा विवि में विधिवत शुरू हुआ ओरियंटेशन प्रोग्राम

नवाज्योति/कोटा

आज शिक्षकों कंधों पर विद्यार्थियों को प्रशिक्षित करने की एक महत्वपूर्ण जिम्मेदारी है। इस तरह के ओरियंटेशन कार्यक्रम शिक्षकों में शोध व अध्यापन की गुणवत्ता बढ़ाने के लिए महत्वपूर्ण प्लेट फार्म साबित हो रहे हैं।

ऐसे कार्यक्रम आबेनित होते रहना चाहिए, ताकि इनका अधिकतम लाभ विद्यार्थियों को प्राप्त हो सके। ये उद्गार राजस्थान तकनीकी विवि के कुलपति एन पी कोशिक ने सोमवार को कोटा विवि के सेमिनार हॉल में ओरियंटेशन प्रोग्राम की विधिवत शुरुआत में मुख्य अतिथि के रूप में व्यक्त किए। इस अवसर पर प्रो कोशिक ने शिक्षकों को नई तकनीक व ज्ञान के साथ चलने की सलाह देते हुए छात्रों को भी मुनिषा



के नये ज्ञान देने पर बल दिया। कार्यक्रम की अध्यक्षता कोटा विश्वविद्यालय के कुलपति प्रो पीके दशोरा ने की।

प्रो पीके दशोरा ने बताया की कोटा विश्वविद्यालय में इस तरीके का यह प्रथम ओरियंटेशन कार्यक्रम है। यह कार्यक्रम अच्छे शिक्षक उत्पन्न

करने व शिक्षकों की पदोन्नति के लिए महत्वपूर्ण है। ओरियंटेशन कार्यक्रम में शिक्षकों को सामाजिक दायित्वों के निर्वाह, संशोधन क्षमता, समाज उपयोगी गुणवत्तापूर्ण शोध जैसे विषयों पर विषय - विशेषज्ञों द्वारा व्याख्यान दिये जाएंगे।

## जो निरंतर सीखे वही बनता है सच्चा शिक्षक: राजपाल

कोटा विवि में आयोजित 21 दिवसीय रिफ्रेशर कोर्स को मिला

नवाज्योति/कोटा

एक शिक्षक में निरंतर सीखने की प्रवृत्ति व जिज्ञासा रहनी चाहिए, सीखने की ये जिज्ञासा ही एक शिक्षक को सच्चा शिक्षक मान्यता कर सकती है। एक शिक्षक को चाहिए कि वह विद्यार्थियों को नवीनतम ज्ञान प्रदान करे ताकि उच्च शिक्षा के क्षेत्र में नये क्रांतिमूलक स्थापित हो सके। ये कहना था मेडल के चौथी चरण सिंह विश्वविद्यालय के प्रिंसिपल राजपाल सिंह का। जो सोमवार को कोटा विश्वविद्यालय में आयोजित कम्प्यूटर के अनुभवों पर आधारित 21 दिवसीय रिफ्रेशर कोर्स के समापन समारोह में मुख्य अतिथि के रूप में बोल रहे थे। समापन समारोह की अध्यक्षता करते हुए कोटा विवि के कुलपति प्रो पीके प्रो दशोरा ने कहा कि इस तरह के कोर्स अध्यापकों में शोध व अध्यापन की भावनाओं में सुदृढ़ करते हैं। प्रतिभागियों के उत्कृष्ट प्रदर्शन पर खुशी जहदिर करते हुए प्रो दशोरा ने सभी प्रतिभागियों को आगे बढ़ने व बेहतर करने की सलाह देते हुए अपने ज्ञान में निरंतर वृद्धि करने की सीख दी। इस अवसर पर उन्होंने सभी शिक्षकों



कोटा विवि में रिफ्रेशर कोर्स के समापन पर प्रतिभागियों को संबोधित करते कुलपति पीके दशोरा

को विद्यार्थियों के स्तर को भीषकर पर उनके ज्ञान देने की बात दोहराई

### ये गुर दिए 21 दिन

कोटा विवि में 21 दिनों तक आयोजित किए जाने वाले रिफ्रेशर कोर्स के दौरान कुल 24 विषय विशेषज्ञों द्वारा व्याख्यान दिये गये। राजस्थान, हरियाणा, गुजरात, महाराष्ट्र व महाराष्ट्र राज्यों से आए कुल 41 प्रतिभागियों ने भाग लिया। कोर्स के

दौरान 72 सत्रों में वैदिक, प्रायोगिक एवं सेमीनार सत्र आयोजित किये गये। रिफ्रेशर कोर्स के समापनकाल में धन्यवाद समारोह में बताया कि रिफ्रेशर कोर्स के दौरान सभी प्रतिभागियों का मूल्यंकन-परीक्षा, सेमीनार, माइक्रोटीचिंग के आधार पर किया गया व जिसमें सभी प्रतिभागियों ने अपना उत्कृष्ट प्रदर्शन किया। कार्यक्रम के अन्त में डॉ. भवानी सिंह ने धन्यवाद ज्ञापित किया।



कोटा @ पत्रिका

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शिक्षकों, छात्रों और कर्मचारियों की निगरानी करने के लिए कोटा विश्वविद्यालय में क्लोज सर्किट कैमरे (सीसीटीवी) लगाए जाएंगे। परिसर में आने-जाने वालों पर नजर रखने के साथ ही लैब और क्लास रूम में भी तीसरी आंख हर वक्त नजर रखी जाएगी। इसके लिए विश्वविद्यालय प्रशासन 64 कैमरों की खरीद करने में जुट गया है। बाहर से आने वाले लोगों पर नजर रखने के साथ ही स्टाफ और छात्रों की निगरानी करने के लिए 56 डोम और आठ बुलट कैमरे खरीदे जाएंगे। पावर बैंक अप के साथ-साथ वैदर प्रूफ कैमरों के साथ

# तीसरी आंख से नहीं बच पाएगी घुसपैठ

## कोर्स वर्क में लगेगी बायोमेट्रिक हाजिरी

16 चैनल रीयल टाइम व्यू और टू चैनल ऑडियो प्रसारित करने वाले कैमरे लगाए जाएंगे।

### एकेडमिक ब्लॉक में सबसे ज्यादा कैमरे

मुख्य द्वार से लेकर कुलपति आवास, सचिवालय, गेस्ट हाउस, प्रशासनिक भवन और परीक्षा भवन के साथ-साथ कोटा विश्वविद्यालय के चप्पे-चप्पे पर कैमरे लगाए जाने की योजना है। सबसे ज्यादा 25 सीसीटीवी कैमरे एकेडमिक ब्लॉक में लगाए जाएंगे। जगह चिन्हित करने के लिए विवि प्रशासन ने तीन शिक्षकों की समिति गठित की है।

### विषयवार शोध का तरीका सिखाएंगे सज्जोत एक्सपर्ट

### चार साल से कोर्स वर्क न करने वाले छात्रों को मिलेगा आखिरी मौका

कोटा @ पत्रिका कोटा विश्वविद्यालय में इस बार कोर्स वर्क करने वाले शोधार्थियों को बायोमेट्रिक हाजिरी लगानी होगी। जिन छात्रों की 75 फीसदी हाजिरी पूरी होगी उन्हें ही कोर्स वर्क परीक्षा में शामिल होने का मौका दिया जाएगा। हालांकि इस बार विवि प्रशासन वर्ष 2011 से लेकर वर्ष 2015 तक के बीच कोर्स वर्क न करने वाले सभी छात्रों को आखिरी मौका भी दे रहा है। कोटा विश्वविद्यालय से पीएचडी करने के लिए इस साल 24 छात्रों ने प्रवेश परीक्षा उत्तीर्ण की थी। इसके साथ ही वर्ष 2011 से वर्ष 2014 तक पीएचडी प्रवेश परीक्षा उत्तीर्ण करने

### एक्सपर्ट लेंगे क्लास

शोध विदेशक डॉ. ओपी ऋषि ने बताया कि इस बार कोर्स वर्क में सिर्फ शोध प्रबंध का प्रत्यक्ष सभी छात्रों को एक साथ पढ़ाया जाएगा। इसके अलावा शिष्यवार शोध की रैटारियों और उससे जुड़े पहलुओं को स्पष्ट करने के लिए शिष्य शिक्षण कक्षाएं लेंगे। इसके लिए छात्रों को छह अलग-अलग सत्र अयोजित किए जाएंगे।

वाले 132 छात्रों ने भी कोर्स वर्क नहीं किया था। विश्वविद्यालय प्रशासन इस बार उन्हें कोर्स वर्क करने का आखिरी मौका दे रहा है। 21 अप्रैल से 20 मई के बीच चलने वाले कोर्स वर्क में यह छात्र शामिल नहीं होते हैं तो उन्हें पीएचडी करने के अयोग्य घोषित कर दिया जाएगा। कोर्स वर्क के लिए छात्र समय पर कक्षाएं लेने आएँ इसके लिए इस बार बायोमेट्रिक हाजिरी की व्यवस्था की गई है।

### पीटीईटी को लेकर सतर्क

यू तो विवि प्रशासन ने दो साल पहले ही सीसीटीवी कैमरे लगाए जाने की योजना बना ली थी, लेकिन बोते एक साल में शिक्षकों और कर्मचारियों के साथ हुई मारपीट की घटनाओं और छात्रों के बवाल के बाद इसे अमल में लाने की कोशिशें शुरू हो गई थीं। पीटीईटी करने की जिम्मेदारी मिलते ही विवि प्रशासन खासा सतर्क हो गया और आनन-फानन में कैमरे लगाने को हरी झंडी दे दी गई।

### निविदाएं जारी की हैं

शिक्षविद्यालय परिसर में डिगिटली रखने के लिए सीसीटीवी कैमरे लगाए जाएंगे। कैमरे, पॉवर बैंकअप और डिस्क्रेट आदि सामान खरीदने के लिए निविदाएं जारी कर दी गई हैं। अभी 64 कैमरे लगाए जाने की योजना है।

अम्बिका दत्त चतुर्वेदी, कुलसचिव, कोटा विश्वविद्यालय

## सबको मिले शिक्षा, गुणवत्ता में हो सुधार

कोटा विश्वविद्यालय कुलपति और शिक्षकों ने तैयार किया विजन डॉक्यूमेंट

बैठक कर दिया अंतिम रूप, अब भेजा जाएगा यूजीसी



तैयार कर लिया है, जिसे अंतिम रूप देने के बाद अब यूजीसी भेजा जाएगा। मानव संसाधन विकास मंत्रालय नई शिक्षानीति बनाने में जुटा है। उच्च शिक्षा के क्षेत्र में सुधार लाने के लिए देश भरके विश्वविद्यालयों के शिक्षकों से सुझाव मांगे गए थे। कुलपति प्रो. पीके दशोरा ने मंगलवार को शिक्षकों के साथ बैठक कर विजन डॉक्यूमेंट का खाका खींचा। जिसमें सरकारी एवं वित्तीय सुधारों को लागू करने, ऑनलाइन

एजुकेशन को बढ़ावा देने, शोध और नवाचारों के जरिए क्षेत्रीय समस्याओं के रस्ता खोजने, आर्थिक और सामाजिक रूप से पिछड़े वर्गों के उच्च शिक्षा के लिए प्रोत्साहित करने राज्य और निजी विश्वविद्यालयों के पाठ्यक्रमों में सुधार कर शैक्षणिक गुणवत्ता बढ़ाने और आदर्श शिक्षक तैयार करने के साथ ही उच्च शिक्षण संस्थानों में पढ़ाई का बेहतरीन माहौल तैयार समाज में नया आदर्श स्थापित करने पर जोर दिया गया है विजन डॉक्यूमेंट बनाने के लिए हुए बैठक में प्रो. एमएल शाहू, प्रो. वीन दाधीच, प्रो. एनके जैमन, एसोसिएट डॉ. पीसी गुप्ता, डॉ. भवानी सिंह, डॉ. ओपी ऋषि और डॉ. पीके दुबे समेत विवि के सभी शिक्षक मौजूद रहे।

# कोटा विश्वविद्यालय : अब होगी 240 दिन पढ़ाई

**ज्यादा से ज्यादा दिन कक्षाएं चलवाने में जुटे कुलपति**

**शैक्षणिक कैलेंडर हुआ तैयार, बढ़ेगी सांस्कृतिक और खेल गतिविधियां**

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कोटा विश्वविद्यालय में अब 60 दिन ज्यादा पढ़ाई होगी। सेमिनार और वर्कशॉप जैसी शैक्षणिक गतिविधियां बढ़ाने के साथ ही सांस्कृतिक और खेलकूद से जुड़े आयोजनों में भी इजाजा किया गया है। नया शैक्षणिक कैलेंडर तैयार हो चुका है, जिसमें छात्रों और शिक्षकों को साल भर सक्रिय रखने की रणनीति शामिल की गई है। कोटा



विधि में लाख कोशिशों के बावजूद अभी तक 180 दिन के आसपास ही कक्षाएं चल पाती थीं, जिसके चलते छात्रों को अक्सर कोर्स पूरा न होने की शिकायत रहती थी, लेकिन इस बार नए शैक्षणिक सत्र से ऐसा नहीं होगा। कुलपति प्रो. पी.के. दशोग विश्वविद्यालय परिसर के

साथ-साथ सभी सम्बद्ध कॉलेजों में कम से कम 260 दिन पढ़ाई करने की तैयारी में जुटे हैं। इसी के आधार पर नया शैक्षणिक कैलेंडर तैयार किया गया है। प्रभारी कुल सचिव प्रो. रजिब जैन ने बताया कि नए शैक्षणिक सत्र से सेरानल एरजाम के साथ कक्षाएं भी संचालित की जाएंगी। इसके साथ ही अधिक से अधिक सेमिनार और वर्कशॉप आयोजित करने की भी तैयारी की है ताकि छात्रों को व्यवहारिक ज्ञान मिल सके।

**बढ़ेंगी खेल गतिविधियां**

आगामी शैक्षणिक सत्र से विधि में खेल गतिविधियां भी बढ़ाई जाएंगी। खेल पाठ्यक्रमों से जुड़े छात्रों के साथ-साथ अन्य विषय के छात्रों को भी इन से जोड़ने के लिए लगातार अन्तर-विभागीय खेल आयोजन भी किए जाएंगे। सांस्कृतिक कार्यक्रमों के आयोजन को भी शैक्षणिक कैलेंडर में विशेष स्थान दिया है।

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**कोटा विश्वविद्यालय** } दैनिक कक्षाओं के मुताबिक बनेगा पाठ्यक्रम, ऑनलाइन मिलेगी जानकारी

## क्लास में क्या पढ़ाएंगे गुरुजी, अब पहले से तय होगा

**कोटा @ पत्रिका**

कोटा विश्वविद्यालय के छात्रों को अब पहले से ही पता होगा कि गुरुजी उन्हें किस दिन कौन सा अध्याय पढ़ाएंगे। शिक्षक कब क्लास में हॉजर रहेंगे और किस दिन प्रयोगात्मक कार्य होगा। नई व्यवस्था लागू करने के लिए पूरे पाठ्यक्रम को दैनिक कक्षाओं के मुताबिक पुनर्निर्धारित किया जा रहा है। जिसे इससे शैक्षणिक सत्र से लागू कर दिया जाएगा। इसी के साथ

विश्वविद्यालय ने केंद्रीय मूल्यांकन की व्यवस्था भी लागू कर दी है। कोटा विश्वविद्यालय में संचालित हो रहे सभी पाठ्यक्रमों में इस शैक्षणिक सत्र से सेमिस्टर व्यवस्था लागू हो जाएगी। इसके साथ ही निर्धारित समय पर अधिक से अधिक पाठ्यक्रम पूरा हो सके इसके लिए दैनिक पाठ्यक्रम की व्यवस्था भी लागू की जा रही है। जिसमें हर विषय के कोर्स को सेमिस्टर के हिसाब से दैनिक पाठ्यक्रम में बांटा जाएगा। एक सेमिस्टर में 90 दिन अध्यापन कार्य होता है, जिसे

आधार बनाकर किस दिन किस विषय का शिक्षक कौन सा अध्याय पढ़ाएंगे यह पहले से ही तय होगा। थोड़ी के साथ ही प्रयोगात्मक कार्यों का समय भी पहले से ही तय होगा। दैनिक कक्षाओं का खतमा खोजने के बाद विधि प्रशासन इसे ऑनलाइन कर देगा। यदि किसी दिन कोई शिक्षक अनुपस्थित होंगे तो विश्वविद्यालय उनकी कक्षाएं न लगाने की सूचना भी ऑनलाइन सिस्टम पर अपडेट करेगा, ताकि छात्रों विश्वविद्यालय आकर वापस न लौटना पड़े।



नया शैक्षणिक सत्र शुरू होने से पहले सभी विषयों के कोर्स कंटेंट को लेकर वाइज डिवाइज करके नया दैनिक पाठ्यक्रम ऑनलाइन कर दिया जाएगा।

प्रो. पी.के. दशोग, कुलपति

**शुरू हुआ केंद्रीय मूल्यांकन**

कोटा विश्वविद्यालय ने उत्तर पुस्तिकाओं के केंद्रीय मूल्यांकन की व्यवस्था भी लागू कर दी है। हालांकि इस बार रिस्क स्नातकोत्तर कक्षाओं की उत्तर पुस्तिकाएं ही विधि परिसर में जांची जा रही हैं। कुलपति प्रो. पी.के. दशोग ने बताया कि अगले शैक्षणिक सत्र से सभी कक्षाओं की उत्तर पुस्तिकाओं का मूल्यांकन केंद्रीय व्यवस्था के जरिए ही करना जाएगा।

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## कोटा विधि में अब होगी मनचाही पढ़ाई

**विद्या परिषद की बैठक में महाविद्यालयों के विकास का खींचा खाका**

**यूजीसी के साथ सामंजस्य बनाने को गठित होगी सीडीसी**

**कोटा @ पत्रिका**

विद्या परिषद ने कोटा विश्वविद्यालय में च्याइस बेस्ड क्रेडिट सिस्टम (सीबीसीएस) लागू करने को हरी झंडी दे दी। मनचाहे विषय की पढ़ाई का पहला मौका विद्यालय संकाय के छात्रों को दिया जाएगा। साथ ही विश्वविद्यालय से संबद्ध महाविद्यालयों का शैक्षणिक माहौल बेहतर बनाने के लिए महाविद्यालय विकास समिति (सीडीसी) का गठन किया जाएगा। कॉलेज को आर्थिक और तकनीकी आवश्यकताओं को पूरा



कोटा विश्वविद्यालय में हुई विद्या परिषद की बैठक में चर्चा करते हुए

**राजस्थान पत्रिका फालोअप**

मनचाही पढ़ाई को मिलेगी मंजूरी, सीबीसीएस में सीडीसी गठित होगी, विद्या परिषद ने च्याइस बेस्ड क्रेडिट सिस्टम लागू करने को मंजूरी दे दी, लेकिन नए

महाविद्यालयों के बीच सामंजस्य स्थापित करने का काम करेगी। कुलपति सीडीसी के चेयरमैन होंगे और सभी डीन इसके सदस्य बनाए जाएंगे।

कुलपति सचिवालय के सभागार में शनिवार को हुई विद्या परिषद की बैठक में सीडीसी स्थापित करने को सर्वसम्मति से मंजूरी दे दी गई। विद्या परिषद ने च्याइस बेस्ड क्रेडिट सिस्टम लागू करने को मंजूरी दे दी, लेकिन नए

**बीएड, बीपीएड और एमएड दो साल में**

बीएड और बीपीएड के साथ ही एमएड पाठ्यक्रम भी दो साल का करने, एमबीआईबी को डिग्री को एमबीए इंटरनेशनल बिजनेस में परिवर्तित करने, वर्ष 2013 और 2014 में उत्तीर्ण हुए छात्रों की डिग्रियों का ग्रेस पास करने, अध्ययन मंडल और पाठ्यक्रम समितियों का पुनर्निर्धारण करने के साथ ही पाठ्यक्रमों के आंशिक

बदलावों को भी विद्या परिषद ने मंजूरी दे दी। आगामी शैक्षणिक सत्र से पर्यटन और यात्रा प्रबंधन में एमबीए पाठ्यक्रम शुरू करने का भी फैसला किया गया। बैठक में कुलपति प्रो. पी.के. दशोग, प्रभारी रजिस्ट्रार राजीब जैन, प्रो. पीसी लोहिया और प्रो. विना दाधीच समेत सभी विषयों की डीन और विद्या परिषद के प्रतिनिधि मौजूद रहे।

शैक्षणिक सत्र में सिर्फ विधि के विज्ञान संकाय के छात्रों को ही इसका लाभ मिलेगा।

विधि में संचालित सभी पाठ्यक्रमों में इसे अगले शैक्षणिक सत्र में लागू किया जाएगा और इसके बाद तीसरे साल महाविद्यालय स्तर पर इसे अमल में लाया जाएगा। बैठक में

महाविद्यालयों के शैक्षणिक विकास का भी खाका खींचा गया।

**पहली बार सड़गान**

पहली मर्तबा बैठक की शुरुआत सरस्वती वंदना से हुई और समापन गुरुग्राम के साथ हुआ। विद्या परिषद के सदस्यों के बीच इस बहलवा की खासी चर्चा रही।

**patrika** Sun, 17 May 2015  
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# कोटा विवि शुरू करेगा पांच नए विभाग

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शहर में स्नातक स्तरीय पाठ्यक्रमों की सीटों में बढ़ोतरी होगी। कॉलेजों के साथ-साथ अब कोटा विश्वविद्यालय में भी ये पाठ्यक्रम शुरू होंगे। विश्वविद्यालय की गुरुवार को हुई प्रबंध मंडल की बैठक में स्नातक स्तरीय पाठ्यक्रम शुरू करने पर सहमति बनी। इसके तहत विश्वविद्यालय स्नातक स्तरीय महाविद्यालय व विधि महाविद्यालय शुरू करने का प्रस्ताव तैयार करेगा। इसके साथ ही पांच नए विभाग शुरू करने पर भी सहमति बनी।

इन सभी विभागों के लिए सरकार को प्रस्ताव भेजे जाएंगे। स्व वित्त पोषित आधार पर ही ये विभाग संचालित नहीं होंगे। इसमें वाइल्ड लाइफ साइंस, राजनीति विज्ञान, गणित, शारीरिक शिक्षा और अंग्रेजी पाठ्यक्रम शामिल हैं। शारीरिक शिक्षा व वाइल्ड लाइफ साइंस विश्वविद्यालय में स्व वित्त पोषित आधार पर संचालित किए जा रहे हैं। महाविद्यालय की स्थापना और विभागों की स्थापना के लिए विश्वविद्यालय द्वारा 124 नवीन पदों के सृजन का प्रस्ताव भी सरकार को



कोटा विश्वविद्यालय की प्रबंध मंडल की बैठक में उपस्थित सदस्य।



भेजा जाएगा। इसमें शैक्षणिक व अशैक्षणिक दोनों पद होंगे। बैठक की अध्यक्षता कुलपति प्रो. पी. के. दशोरा ने की। बैठक में कुलसचिव अम्बिका दत्त द्वारा एजेंडा प्रस्तुत किया गया।

## संवैधानिकता के कार्य अवधि बढ़ाई

बैठक में विश्वविद्यालय में संविदा पर कार्यरत कर्मचारियों के कार्य की अवधि छह माह बढ़ाने के प्रस्ताव को अनुमोदित किया गया। परीक्षा कार्यों के लिए बढ़ाए गए पारिश्रमिक, मानदेय संबंधी वित्त समिति के प्रस्तावों को भी अनुमोदित किया गया। इसके अलावा भवन समिति व अन्य बैठकों के प्रस्तावों का भी अनुमोदन किया गया।

## नहीं खुले लिफाफे

नए कुलपति की नियुक्ति के बाद हुई पहली बैठक में भर्ती प्रक्रिया के लिफाफे खोलने का मामला भी उठा। प्रबंध मंडल की सदस्य व शिक्षक चन्द्रकंता मेंघवाल ने यह बात रखी कि जब पूरी प्रक्रिया हो चुकी है तो लिफाफे क्यों नहीं खोले जा रहे। इस पर सरकार द्वारा

लिफाफे खोलने से ठेक लगाने की बात कही गई। इस पर शिक्षक ने कहा कि राज्य सरकार की संसिद्धि को तो 15 दिन में रिपोर्ट देनी थी, छह महीने हो गए, इस संबंध में विश्वविद्यालय ने क्या कदम उठाए। इस पर यह मामला सरकार के सामने रखने का प्रस्ताव आया।

## विवेकानन्द की प्रतिमा लगेगी

विश्वविद्यालय परिसर में प्रस्तावित स्वामी विवेकानन्द की प्रतिमा के प्रस्ताव तक एक बार फिर प्रबंध मंडल में चर्चा हुई। प्रतिमा तैयार है या नहीं, स्थल व अन्य विषयों पर बातचीत हुई।

प्रो. दशोरा ने कहा कि प्रस्ताव पुराना है। प्रतिमा लगेगी लेकिन इसका उद्घाटन 15 अगस्त को मुख्यमंत्री के दौरे से हो सकता है इस बारे में अभी कुछ नहीं कह सकते।

## कौन प्रवीण गोयल ?

बैठक में विश्वविद्यालय के उपकुलसचिव प्रवीण गोयल का मामला भी उठा। समिति के सदस्य व विधायक हीरालाल नागर ने प्रश्नचिह्न के आरोप में निर्लौबित गोयल को सेवाएं बहाल करने की बात कही। उन्होंने इसके पक्ष में न्यायालय से क्लीन चिट मिलने की बात भी कही। इस बात से कुलपति ने बैठक में असहमति जता दी। इस संबंध में जब पत्रिका ने कुलपति प्रो. दशोरा से बात की तो उन्होंने तपक से कहा कि 'कौन है प्रवीण गोयल...' जब याद दिलाया गया कि आपके डीआर हैं तो बोले कि हां, हमारे डीआर है तो मार्गदर्शन लेंगे। बैठक में डॉ. एल.के. दाधीव के वित्त समिति के अर्नाधकृत सदस्य होने की बात भी उठी तो विश्वविद्यालय ने समिति के समक्ष कब से कब तक सदस्य रहे यह बात रखी।

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## पाठ्यक्रम को मंजूरी

# कोटा विवि में शुरू हुए तीन नए कोर्स

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कोटा. लाइफ साइंस के पाठ्यक्रम को स्टेट इक्युलेंस कमेटी से समकक्षता न मिलने के बाद आखिरकार कोटा विश्वविद्यालय ने एमएससी जूलॉजी और बाँटनी की पढ़ाई शुरू करने का फैसला ले ही लिया। कुलपति सचिवालय में हुई डीन कमेटी की बैठक ने दोनों पाठ्यक्रमों के साथ-साथ गणित में भी एमए और एमएससी करने को मंजूरी दे दी है।

कोटा विश्वविद्यालय में संचालित एमएससी लाइफ साइंस पाठ्यक्रम की समकक्षता को लेकर विवाद चल रहा था। विवि प्रशासन इस पाठ्यक्रम को नौकरियों के लिए पर्याप्त मानता था, लेकिन आरपीएससी और राज्य सरकार स्कूल और कॉलेज शिक्षक भर्ती के लिए इस डिग्री को समकक्ष नहीं मानती। हालांकि विवि प्रशासन ने

स्ववित्त पोषित स्कीम में होगी एमएससी जूलॉजी, बाँटनी और मैथ की पढ़ाई, संकायध्यक्ष समिति की मंजूरी के बाद शुरू हुई प्रवेश प्रक्रिया



पाठ्यक्रम की समकक्षता तय करने के लिए स्टेट इक्युलेंस कमेटी को भी मामला भेजा, लेकिन कमेटी ने इसे सिरे से खारिज कर दिया। इसके बाद विवि प्रशासन ने गुरुवार को स्ववित्त पोषित योजना के तहत एमएससी जूलॉजी और बाँटनी की पढ़ाई शुरू करने का निर्णय लिया। संकायध्यक्षों की विशेष समिति ने विवि परिसर में दोनों पाठ्यक्रमों के साथ-साथ एमए-एमएससी मैथ का पाठ्यक्रम भी शुरू करने को मंजूरी दे दी। हालांकि तीनों पाठ्यक्रमों के

लिए क्लासरूम और लैब का इंतजाम एमए हैस्टिंग की बिल्डिंग का निर्माण कार्य पूरा होने के बाद ही हो सकेगा।

डीन पीजी प्रो. आशू रानी ने बताया कि एमएससी जूलॉजी और बाँटनी में 20-20 सीटों पर प्रवेश दिया जाएगा। इसके लिए 12 हजार रुपए प्रति सेमेस्टर फीस रखी गई है। वहीं एमए-एमएससी मैथ में 30 सीटें रखी गई हैं। इसके लिए छात्रों को आठ हजार रुपए प्रति सेमेस्टर फीस चुकानी होगी।

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# फ्रेंच-जर्मन भी पढ़ेंगे विद्यार्थी

कोटा

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लुप्त होती भाषाओं को सम्बल देने और वैश्विक परिदृश्य में विदेशी भाषाओं के महत्व को देखते हुए अब कोटा विश्वविद्यालय भाषा विभाग शुरू करने की तैयारी में है। विवि विकास में अहम भूमिका निभाने वाली दो बड़ी समितियों के प्रस्तावों के बाद अब इस पर मंथन शुरू हो गया है। हाल ही में इंटरनल क्वालिटी इम्प्रूवमेंट कमेटी ने पहले भाषाओं में डिप्लोमा पाठ्यक्रम शुरू करने का सुझाव दिया और अब शुक्रवार को हुई प्लानिंग बोर्ड की बैठक में इस तरह के कोर्सेज के लिए इंटरनेशनल एडवाइजरी बोर्ड बनाने की सिफारिश की गई है। इसके बाद विवि ने यूजीसी को भाषा विभाग के लिए प्रस्ताव भेजने की तैयारी कर ली है।

## यह है योजना

विवि द्वारा इस संबंध में तैयार किए जाने वाले प्रस्ताव में हाइलीती और प्रदेश की कई ऐसी भाषाओं के अध्यापन की शुरुआत की जाएगी, जो लुप्त प्रायः हो रही हैं। गांव-ढाणियां में ही बोला जा रहा है। इसमें पाण्डुलिपियां, शैल चित्रों की भाषा को पढ़ाना भी सिखाया जाएगा। इसके अलावा वैश्विक परिदृश्य में

## बैठक में आए कई सुझाव

विवि की प्लानिंग बोर्ड की बैठक शुक्रवार को कुलपति प्रो.एम एस शर्मा की अध्यक्षता में हुई, जिसमें एसोसिएट प्रोफेसर अशुक्रति शर्मा ने विवि के बारे में प्रजेन्टेशन दिया। बैठक में कार्पेट सोस्यल रिसोर्सिलटी के तहत उद्यमियों को जोड़ने, इंटरस्टी एडवाइजरी बोर्ड का गठन करने, विवि में एंटरप्रेन्योरशिप सेल शुरू करने, रिसर्च प्लानिंग के लिए सेमिनार करवाने, वेस्ट मैनेजमेंट स्पोर्ट कई विषयों पर विस्तृत चर्चा की गई। बैठक में प्रो.पी सी त्रिवेदी, प्रो.आर एस चौहान, डॉ.जगत नारायण व प्रो.वी एस दुर्वे, प्रो.एन के जैमन शामिल थे।

विद्यार्थियों के लिए कई विदेशी भाषाएं सीखना भी जरूरी होने लगा है। बड़ी संख्या में विद्यार्थियों का रुझान इस तरह भी नजर आ रहा है। फ्रेंच और जर्मन भाषाओं के बढ़ते क्रैज को देखते हुए दोनों भाषाओं के अध्यापन पर जोर रहेगा।

## यू होगा संभव

स्थानीय भाषाओं के अध्यापन के लिए तो विवि विशेषज्ञों को तलाशेगा और इस क्षेत्र में शोध कार्य करवाएगा। इससे भाषाओं के संरक्षण के साथ-साथ अध्यापन भी हो सकेगा। इसके अलावा विदेशी भाषाओं के अध्यापन के लिए विदेशी विश्वविद्यालयों से जुड़ने के प्रयास किए जाएंगे। एक्सचेंज प्रोग्राम के तहत वहां के शिक्षकों के विशेष व्याख्यान करवाए जाएंगे। ई-लर्निंग के जरिए भी भाषाओं का अध्यापन हो सकेगा।

## रोजगार की संभावनाएं

विश्वविद्यालय द्वारा भाषा विभाग शुरू करने के पीछे स्थानीय और प्रदेश के पर्यटन को समृद्ध बनाना भी है। भाषा में शोध अध्ययन तो हो ही सकेगा। इसके अलावा यहां आने वाले फ्रेंच व जर्मन पर्यटकों को गाइड किया जा सकेगा। इसके लिए डिप्लोमा पाठ्यक्रम भी शुरू किए जा सकते हैं।

कोई भी विवि तब तक पूरा नहीं है, जब तक वहां भाषा का अध्ययन नहीं हो रहा। इस क्षेत्र में हम भी प्रयास करने जा रहे हैं। भाषा के क्षेत्र में शोध हो और विदेशी भाषाएं विद्यार्थी सीखें यह हमारा उद्देश्य है। लुप्त प्राय हो रही भाषाओं के साथ-साथ विदेशी भाषाओं के अध्यापन के लिए प्रस्ताव भेजे जायेंगे।

प्रो.एम एस शर्मा, कुलपति

कोटा विश्वविद्यालय छात्रों की उपस्थिति को लेकर हुआ गंभीर

# क्लास बंक की तो घर पहुंचेगी चिड़ी



लगातार पांच दिन तक गैर हाजिर रहने वाले विद्यार्थियों के परिजनों से साधा जाएगा सीधा संवाद

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अब क्लास बंक करना असमंजस नहीं होगा। लगातार पांच दिन तक कक्षा में अनुपस्थित करने पर छात्रों के परिजनों से कोटा विश्वविद्यालय अब उनकी गैर हाजिरी की वजह पूछेगा। इसके लिए चिड़ी ही नहीं टेलीफोन के माध्यम से भी संवाद कायम किया जाएगा। विवि ने नए शैक्षणिक सत्र में इस व्यवस्था को लागू कर दिया है।

कोटा विश्वविद्यालय ने रोजाना की पढ़ाई के मुताबिक अपना पाठ्यक्रम जारी कर दिया है। हर एक सेमेस्टर में कम से कम 45 घण्टी क्लास होनी है। इनका सिलसिलेवार पाठ्यक्रम छात्रों को उपलब्ध करा दिया गया है। इसके साथ ही कक्षाओं में छात्रों की उपस्थिति बढ़ाने और अधिक से अधिक पाठ्यक्रम तय समय पर पूरा करने के प्रयास भी शुरू कर दिए हैं। एक जुलाई से नया सत्र शुरू होने के बाद अभी तक जिन कक्षाओं में छात्रों ने लगातार पांच दिन तक अपनी उपस्थिति दर्ज

नहीं करवाई है, उनके परिजनों को इसकी लिखित में सूचना भेजी जा रही है। इसके साथ ही शिक्षक टेलीफोन के माध्यम से छात्रों के परिजनों से भी सीधा संवाद कायम कर रहे हैं। परिजनों को फोन करके पूछा जा रहा है कि बच्चे पढ़ने क्यों नहीं आ रहे हैं।

## हर पखवाड़े होगी समीक्षा

छात्रों की उपस्थिति की हर पखवाड़े समीक्षा की जाएगी। परिजनों से सीधा संवाद कायम करने के बावजूद उपस्थिति में सुधार नहीं हुआ तो ऐसे विद्यार्थियों को नोटिस जारी किया जाएगा। तीसरी बार नोटिस जारी होने के बाद भी हलत नहीं सुधरते तो विवि प्रशासन ऐसे विद्यार्थियों को परीक्षा देने पर सख्ती से रोक लगा देगा।

ज्यादा से ज्यादा छात्र कक्षाओं में उपस्थित रहे और पाठ्यक्रम तय समय पर पूरा हो, इसके लिए परिजनों के साथ सीधा संवाद कायम करने की व्यवस्था बनाई गई है। दैनिक पाठ्यक्रम तैयार कर शिक्षकों की भी जिम्मेदारी तय कर दी गई है। पूरा प्रयास है कि पठन-पाठन का महोत्सव हर हाल में गुणवत्ता पूर्ण हो।

प्रो. पीके दशोहर, कुलपति, कोटा विश्वविद्यालय

## सवा करोड़ से तराशे जाएंगे चंबल के तैराक



▶ कोटा विवि में खेल सुविधाएं बढ़ाने को यूजीसी ने जारी की ग्रांट

▶ धावक तैयार करने को भी मिली पचास लाख की आर्थिक मदद

कोटा @ पत्रिका

कोटा विश्वविद्यालय अनुदान आयोग (यूजीसी) ने चंबल के तैराकों को तराशने के लिए कोटा विश्वविद्यालय में स्वीमिंग पूल स्थापित करने को हरी झंडी दे दी है। आयोग ने इसके लिए सवा करोड़ ग्रांट भी जारी कर दी है। इसके साथ ही विवि परिसर में एथलेटिक ट्रैक बनाने के लिए भी पचास लाख की आर्थिक मदद जारी कर दी है।

हरियाणा की तर्ज पर अब कोटा विश्वविद्यालय पढ़ाई के साथ-साथ खेल प्रतिभाएं भी तराशेगा। इसके लिए यूजीसी ने विश्वविद्यालय को 1.75 करोड़ रुपये की आर्थिक मदद भी जारी कर दी है। इस ग्रांट से विवि परिसर में आठ लेन का स्वीमिंग पूल और एथलेटिक ट्रैक बनाया जाएगा। कबड्डी से लेकर कुस्ती, बैडमिंटन और बॉलीबॉल समेत 32 खेल विधाओं के पारंगत खिलाड़ी तैयार करने के लिए विवि परिसर में 12 करोड़ रुपये से अधिक की लागत से

विवि परिसर में ही होगी खेल की पढ़ाई



विवि अभी तक मास्टर ऑफ फिजिकल एजुकेशन (एमपीएड) की पढ़ाई डाइट से किराए पर ली गई इमारत में संचालित कर रहा था, लेकिन इस पाठ्यक्रम की पढ़ाई अब विवि परिसर में ही होगी। कक्षाएं संचालित करने के लिए फिजिहल प्रशासनिक भवन को चुना गया है। जहां एमपीएड की पढ़ाई शुरू भी कर दी गई है।

विवि परिसर में स्वीमिंग पूल और एथलेटिक ट्रैक बनाने के लिए यूजीसी ने पौने दो करोड़ की ग्रांट जारी कर दी है। 12.15 करोड़ रुपये की लागत से तैयार हो रहे चार हजार वर्ग मीटर क्षेत्रफल के स्पोर्ट्स कॉम्प्लेक्स का काम अगले साल जुलाई तक पूरा हो जाएगा। विद्येच्छ कोचों की सेवाएं लेने की भी तैयारी चल रही है ताकि विवि राष्ट्रीय और अंतरराष्ट्रीय स्तर की खेल प्रतिभाएं तराश सके।

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अत्याधुनिक खेल सुविधाएं से लैस स्पोर्ट्स कॉम्प्लेक्स भी तैयार होने लगा है।

## खुलेंगे दो नए महाविद्यालय

▶ कोटा विश्वविद्यालय  
▶ मल्टी फैकल्टी के साथ  
नया लॉ कॉलेज शुरू  
करने की तैयारी

▶ 5 पाठ्यक्रम शुरू करने  
की भी मांगी अनुमति

कोटा @ पत्रिका

कोटा में जल्द ही मल्टी फैकल्टी डिग्री कॉलेज की कमी दूर होने वाली है। कोटा विवि के प्रबंध मंडल ने विवि परिसर में दो नए महाविद्यालय खोलने को मंजूरी दे दी है। प्रस्ताव को अमल में लाने के लिए विवि प्रशासन ने नए कॉलेजों की स्थापना का प्रस्ताव सरकार को भी भेज दिया है। इसके साथ ही विश्वविद्यालय पांच नए पाठ्यक्रम भी शुरू करने जा रहा है।

शहर में राजकीय महाविद्यालय और जेडीबी कन्या महाविद्यालय ही मल्टी फैकल्टी डिग्री कॉलेज थे, लेकिन इस शैक्षणिक सत्र से सरकार ने इन दोनों कॉलेजों को तोड़कर तीन नए एकल विषय महाविद्यालयों की स्थापना कर दी। इससे कॉलेजों की संख्या तो बढ़ गई, लेकिन सीटें न बढ़ने से स्नातक स्तर पर छात्रों की पढ़ाई के अवसर नहीं बढ़ सके। जिसके चलते हजारों छात्र इस बार भी प्रवेश लेने से वंचित रह गए। छात्रों की इस समस्या को देखते हुए कोटा विवि स्नातक स्तर पर दो नए महाविद्यालय खोलने की तैयारी में जुटा है। इस प्रस्ताव को विवि प्रबंध मंडल ने मंजूरी दे दी है।

राजस्थान पत्रिका

फॉलोअप



2 जुलाई को प्रकाशित।

सरकार को प्रस्ताव

विश्वविद्यालय ने कॉलेज शुरू करने के लिए 124 शैक्षणिक और अशैक्षणिक पदों पर स्टाफ की भर्ती करने के लिए सरकार से अनुमति मांगी है। इसके साथ ही स्टाफ के वेतन भत्तों आदि के लिए 287.27 लाख रुपये के बजट की भी मांग की है। जैसे ही पदों की स्वीकृति आ जाएगी, दोनों महाविद्यालयों में प्रवेश प्रक्रिया शुरू कर दी जाएगी। इसके साथ ही विवि ने अंग्रेजी, संस्कृत, गणित, शारीरिक शिक्षा और वाइल्ड लाइफ साइंस के पाठ्यक्रम शुरू करने की भी सरकार से अनुमति मांगी है।

दोनों कॉलेज विवि परिसर में ही स्थापित किए जाएंगे। एक कॉलेज मल्टी फैकल्टी होगा। जिसमें स्नातक स्तर पर विज्ञान, कला और वाणिज्य वर्ग की पढ़ाई करवाई जाएगी। जबकि दूसरा विधि महाविद्यालय के तौर पर स्थापित होगा, जिसमें एलएनबी के साथ-साथ डिप्लोमा कोर्स संचालित किए जाएंगे।

प्रो. पीके दशोच, कुलपति

# रोजगार से जुड़ेगी शिक्षा

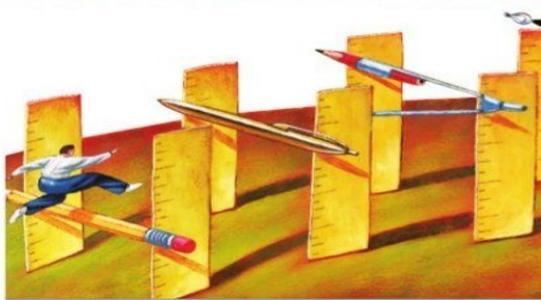
कोटा विश्वविद्यालय में खुलेगा एंटरप्रेन्योरशिप एंड स्मॉल बिजनेस मैनेजमेंट सेंटर

कौशल विकास प्रशिक्षण केंद्र स्थापित करने के लिए मिलेगा दो लाख तक का स्टाम्प ड्यूटी फ्री लोन

कोटा @ पत्रिका

प्रदेश सरकार ने एक बार फिर शिक्षा को रोजगार से जोड़ने की पहल की है। बेरोजगार युवाओं को सीधे रोजगार देने के बजाय इस बार बजट के जरिए दोहरे स्तर पर रोजगार के अवसर सृजित करने का प्रयास किया गया है। पहले स्तर पर प्रशिक्षण केंद्र स्थापित कर और दूसरे स्तर पर स्कूल-कॉलेजों में पढ़ रहे बेरोजगार युवाओं को स्वरोजगार का प्रशिक्षण देकर। इसके लिए कोटा विश्वविद्यालय में एंटरप्रेन्योरशिप एंड स्मॉल बिजनेस मैनेजमेंट सेंटर खोलने के साथ ही कृषि, बागवानी और पशुपालन का प्रशिक्षण देने के लिए जिले में 4.4 लाख रुपए की लागत से 'किस्मत' केंद्र खोला जाएगा।

उच्च शिक्षा हासिल करने के बाद भी नौकरी की तलाश में भटक रहे युवाओं को अपना उद्यम स्थापित करने के लिए स्वरोजगार स्थापित करने का प्रशिक्षण और व्यवसायिक प्रबंधन सिखाने के लिए सरकार ने कोटा विश्वविद्यालय में एंटरप्रेन्योरशिप एंड स्मॉल बिजनेस मैनेजमेंट सेंटर खोलने की घोषणा की है। हालांकि इस काम के लिए विश्वविद्यालय में पहले से ही एक सेल गठित है, लेकिन पूरे साल में सिर्फ 30 युवाओं को ही इसका फायदा मिल पाता था, लेकिन सेंटर खुलने के बाद हाइती की युवाओं को पूरे साल उद्यमिता विकास का प्रशिक्षण और सहायता उपलब्ध हो सकेगी। केंद्र की स्थापना के बाद उद्योग स्थापित करने के व्यावहारिक सिद्धांत सिखाने, व्यापार के अवसरों की पहचान करने, उत्पाद चयन परचात उसकी व्यावहारिक रिपोर्ट तैयार करने, बैंकों-वित्तीय संस्थाओं द्वारा उपलब्ध वित्तीय योजनाओं की विस्तृत जानकारी दी जाएगी। कोटा विश्वविद्यालय इंटरप्रेन्योरशिप सेल के प्रभारी प्रो. रानील जैन के मुताबिक, सेंटर खुलने के बाद रोजगार स्थापित करने में युवाओं को खासी मदद मिल सकेगी।



**'किस्मत' से तलाशेंगे रोजगार के अवसर**



**कृषि, बागवानी और पशुपालन का देंगे प्रशिक्षण**



**कौशल प्रशिक्षण दो, ड्यूटी फ्री लोन लो**

रोजगारपक्ष प्रशिक्षण देने के लिए सरकार पैसा खर्च करने के बजाय निजी सहभागिता को बढ़ावा देने की कोशिश में जुटी है। इसके लिए सरकार ने निजी क्षेत्र में कौशल विकास प्रशिक्षण केंद्र स्थापित करने के लिए अब दो लाख रुपये तक का स्टाम्प ड्यूटी फ्री लोन देने की भी बजट में घोषणा की है। कोटा विश्वविद्यालय की एंसेसिएट प्रोफेसर डॉ. अनुकूलिता शर्मा कहती हैं कि सरकार के इस प्रयास से प्रशिक्षण केंद्रों की कमी दूर करने में खासी मदद मिलेगी। निजी क्षेत्र में प्रशिक्षण केंद्रों के बीच प्रतिस्पर्धा बढ़ेगी और बेरोजगार युवाओं को अच्छा प्रशिक्षण मिल सकेगा।

कोटा कृषि, बागवानी और पशुपालन को अब तक घाटे का सौदा ही माना जाता था, जिसे चलते युवा इस क्षेत्र में हाथ आजमाने से हिचकते थे। प्रदेश सरकार ने युवाओं को बकवाद रोजगार के इस क्षेत्र का प्रशिक्षण देने के लिए 'किस्मत' पर दांव लगाया है। करीब 4.4 लाख की लागत से जिला स्तर पर नॉलेज इंटीग्रेटेड स्किल मांड्यूल्स फॉर एग्रीकल्चर, हॉर्टीकल्चर, एनीमल हसबैंड्री ट्रेनिंग (केआइएसएएमटी) की शुरुआत करने की घोषणा की गई है। कृषि विश्वविद्यालय के प्रभारी कुलपति प्रो. पीके शर्मा ने कहा कि सबसे बड़े रोजगार के असंगठित क्षेत्र को इस घोषणा के जरिए संगठित करने में मदद मिलेगी।

Wed, 09 March 2016  
patrika.com/c/9013219

कोटा विश्वविद्यालय | नए सत्र में हर विद्यार्थी से भरवाए जाएंगे फीड-बैक फॉर्म, सुझाव के आधार पर होंगे बदलाव के प्रयास

## विद्यार्थी बताएंगे, कैसा पढ़ाते हैं गुरुजी

कोटा

cityreporter.kota@patrika.com

शिक्षण की गुणवत्ता सुधारने और शिक्षकों की दक्षता बढ़ाने के लिए कोटा विश्वविद्यालय नई पहल करने जा रहा है। विश्वविद्यालय नए सत्र से हर विद्यार्थी से फीडबैक फॉर्म भरवाएगा। फीडबैक के विश्लेषण के आधार पर ही संबंधित विभाग और शिक्षकों को सुधार के लिए निर्देशित किया जाएगा। यह प्रक्रिया आगामी सत्र से शुरू की जाएगी। हर परीक्षा से पहले यह फॉर्म भरवाए जाएंगे। यानी सेमेस्टर सिस्टम वाले



पाठ्यक्रमों में हर छह महीने में और वार्षिक पाठ्यक्रमों में साल में एक बार फॉर्म भरवाए जाएंगे। विवि ने इसका फॉर्म भी तय कर लिया है। इसका फैसला गुरुवार को विश्वविद्यालय में हुई इंटरनेल क्वालिटी एश्योरेंस की बैठक में लिया गया। यह व्यवस्था गत शैक्षणिक सत्र में प्रायोगिक तौर पर भौतिक विज्ञान विभाग में शुरू की गई

थी। फिलहाल से सिर्फ विवि द्वारा संचालित पाठ्यक्रमों पर ही शुरू किया जाएगा। सम्वद्ध महाविद्यालय पर यह लागू नहीं होगा। यह सब नेक (नेशनल अससमेंट एण्ड एक्सीडिएशन कौंसिल) के मापदण्डों के आधार पर किया जा रहा है।

इस संबंध में यूजीसी के नियम है। छात्रों की रिपोर्ट के आधार पर ही शिक्षकों के प्रमोशन और इन्क्रीमेंट पर विचार किया जाएगा। छात्रों की नकारात्मक टिप्पणी पर इन्हें ठेका जा सकेगा।

प्रो.एम.एस. शर्मा, कुलपति, कोटा विवि

**नहीं होगा नाम**

फीडबैक कमेटी के सदस्यों द्वारा कक्षा में उपस्थित होकर फॉर्म भरवाया जाएगा और इसमें विद्यार्थियों के नाम का उल्लेख नहीं होगा। विद्यार्थी के प्राप्त फीडबैक फॉर्म को सीलड बॉक्स में डाल दिया जाएगा। यह सब इसलिए किया जा रहा है ताकि विद्यार्थी बिना किसी भय के सुझाव दे सकें।

**किन बातों का फीड बैक**

फॉर्म में विद्यार्थी से ज्यादातर जानकारी शिक्षकों के बारे में ली जाएगी। इसमें 15 बिन्दु तय किए गए हैं, जिसमें शिक्षक का नियमित अध्यापन, कक्षा में प्रभावी शिक्षण, विषय पर पकड़, कक्षा में छात्रों के प्रति व्यवहार, आंतरिक मूल्यांकन में निष्पक्षता जैसे मापदण्ड होंगे।

Fri, 21 March 2014  
patrika.com/c/12224876

राज्यपाल का इंगरज्या दौरा: ग्रामीणों की सुनी समस्याएं, कहा- गोद लेने का मतलब सारी जिम्मेदारी प्रशासन की नहीं

# बिना खुद को बदले गांव की तस्वीर नहीं बदली जा सकती: राज्यपाल

नवस्योधि/कोटा

राज्यपाल कल्याण सिंह सोमवार को इंगरज्या गांव के लोगों के बीच पूरी तरह ग्रामीण परिवेश में नजर आए। यहां उन्होंने दर्शन भरी एक ग्रामीण की भांति इंगरज्या गांव के एक-एक लड़के के टुक-टुक को संभालते से मुस्कुराते उनके गांव की तस्वीर को बदलने के लिए पहले खुद को बदलने की नीतिगत ग्रामीणों को दी। मौका था राज्यपाल एवं कुलधिपति का ग्रामीणों से संवाद का। वे सोमवार को प्रातः 11 बजे राज्यपाल कोटा बुनियादी ढांचा मंत्रालय के लिए टैलीफोन पर इंगरज्या गांव पहुंचे। कार्यक्रम गांव के राजकीय संस्कृत विद्यालय परिसर में आयोजित किया गया था। इस अवसर पर राज्यपाल कल्याण सिंह ने कहा कि गांव को गोद ले लिये इसका मतलब यह नहीं है कि सरकारी नियोक्ति से विद्यार्थियों को प्रशासन की सेवा में भेजकर अपनी सोच और व्यवहार को बदलने तक ही गांव को बदलने की कल्पना की जा सकती है। कार्यक्रम में राज्यपाल ने कुलधिपति केन्द्र की ओर से प्रकाशित दो पोस्टरों का विमोचन किया तथा मृदा कार्ड का विमोचन किया। उन्होंने राजस्थान विधायक द्वारा ग्राम विकास की दिशा में की गई गतिविधियों की प्रशंसा की। अवलोकन भी किया। कार्यक्रम में निम्नलिखित संस्कार हुए। ग्रामीणों को समस्याओं के समाधान के लिए भरोसा दिलाया। साथ ही प्रथम पुनर्निर्माण शिविर एवं सर्वोच्च शैक्षणिक मंचों में भी सम्बोधित किया।



इंगरज्या में राज्यपाल की रक्षा ने अपना दुखड़ा सुनते ग्रामीण बड़े-ग्रामीण। -एम्मा



संघोषित करते राज्यपाल। -एम्मा

## राज्यपाल ने दिए ग्रामीणों को पांच मंत्र

राज्यपाल ने ग्रामीणों का आग्रह करते हुए सीधा ही कि गांव के लोग अपने गांव की समस्याओं के निदान के लिए महीने में कम से कम एक बार सामूहिक रूप से बैठकर गांव की समस्याओं पर विचार कर उसके समाधान एवं निराकरण के लिए आवश्यक स्तर पर प्रयास करें। इस अवसर पर ग्रामीणों को पांच मंत्र देते हुए उन्होंने कहा कि गांव के सभी लोग आज संकल्प ले कि जो गांव को नवाशुन, सुशुद्ध, निरक्षरता मुक्त, मुकदमा मुक्त, गंदगी मुक्त बनाने का पूरा प्रयास करेंगे। इस पर उन्होंने अमल किया तो प्रशासनिक अधिकारियों व विधि द्वारा आपके गांव की तस्वीर को बदलते देखेंगे लगे।

## ग्रामीण त्यागे बेटा-बेटी के भेदभाव को

कुलधिपति कल्याण सिंह ने कहा कि वे बेटा-बेटी में फर्क करना छोड़ें। मैं भी किसान का बेटा हूँ। मैंने भी कई समस्याओं को देखा है। गांवों में अभी भी पढ़ाई लिखाई की कमी है, जहां आज भी कच्चेओं को पराजय दान माना जाता है। कच्चा पराजय दान नहीं है वे तो आपके आंगन की एक मणी हैं, इनकी शिक्षा-दीक्षा में कोई कमी नहीं रहे इसके प्रयास ग्रामीणों को करना चाहिए।

## गांवों के विकास बिना देश का विकास नहीं

गांवों के विकास पर खेले हुए राज्यपाल ने कहा कि भारत 6 लाख गांवों का देश है। इन गांवों के विकास के बिना देश का विकास संभव नहीं हो सकता। इनके विकास का मंत्र देते हुए उन्होंने कहा कि देश के गांवों में पानी, बिजली एवं सड़क की समुचित व्यवस्था हो जाए ही गांवों की तस्वीर को बदलना जा सकता है। इसके लिए हर विधायक/राज्यपाल को एक-एक गांव गोद लेने को धार्य किया गया है। उनके सामूहिक भागीदारी से प्रदेश के गांवों के विकास की ओर ले जाकर राजस्थान के विकास में एक नया अध्याय जोड़ा जा सके।

## ग्रामीण अपनाने जैविक खेती

आज ग्रामीणों द्वारा जवाहर अपनाई जा रही टिकाविक खेती को गलत बताते हुए राज्यपाल ने कहा कि आज के 25 वर्ष पहले जो टैटो की मिठास थी, जो जैविकी का अर्थ था वो आज नहीं रहा। इसका प्रमुख कारण किसानों द्वारा खेती में डाला जा रहा रासायनिक खाद है। अतः टैटो, जल, राखी एवं जल के मिठास को फिर से वापस लाने है तो किसानों को जैविक खेती एवं वैश्वी खाद को अपनाया शुरू कर देना चाहिए।

## दिया समस्याओं के समाधान का आश्वासन

राज्यपाल ने ग्रामीणों को समस्याओं पर कहा कि अपने समस्याओं की सोचनीयता के लिए मैं निरन्तर व कुलधिव को कह कर या रहा हूँ जो महीने में एक बार गांव में आकर गांव की समस्याओं को देखकर उनके समाधान के प्रयास करेंगे।



ग्रामीणों का अवलोकन करते राज्यपाल। -एम्मा



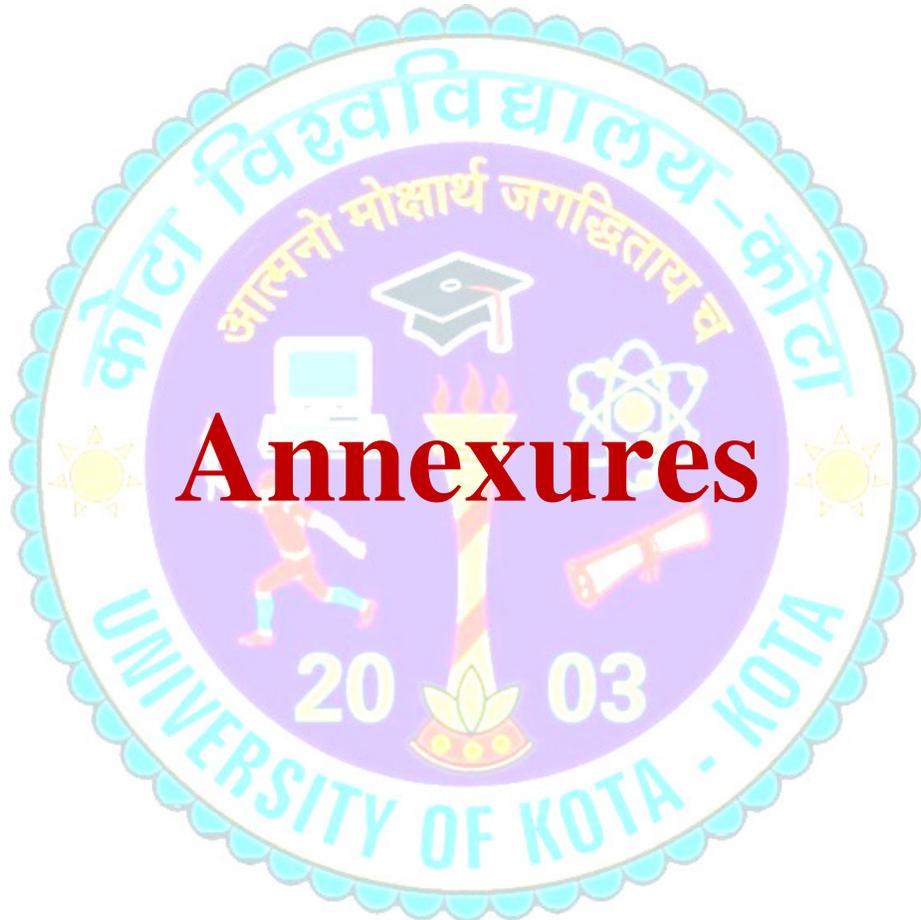
कृषि विधि की पुस्तकों का विमोचन करते राज्यपाल। -एम्मा



ग्रामीणों से बात-बाच करते राज्यपाल। -एम्मा

## राज्यपाल को दी भावभीनी विदाई

राज्यपाल कल्याण सिंह तीन दिवसीय कोटा प्रयास के उपरान्त सोमवार को इकबुर के लिए रवाना हुए। राज्यपाल की विदाई की बेला के अन्तर पर कोटा इवाइं श्रुं पर संभागीय आनुकूल एवं शिविर शिव मीणा, पुलिस महाविकास कोटा रज चिवाल बंसल, जिला कलक्टर डॉ. विष्णुवार सुपुर्, पुलिस अधीक्षक (नगर) राधेश सिंह गौरा, पुलिस अधीक्षक (ग्रामीण) हेमन्त शर्मा, अतिरिक्त कमन्डर (नगर) श्रीमती पुनिता डगा चमेत कई प्रशासनिक अधिकारियों व जनप्रतिनिधियों ने राज्यपाल को भावभीनी विदाई दी।



# Annexures

23 FEB 2004

**UNIVERSITY GRANTS COMMISSION  
BAHADUR SHAH ZAFAR MARG  
NEW DELHI-110 002.**

No. F.9-23/2003 (CPP-I)

February, 2004

**NOTIFICATION**

A statutory university named as "University of Kota, Kota" has been established by the Government of Rajasthan through an Act of State Legislature (Act No. 14 of 2003), and notified in the State Gazette vide-Notification dated 07-06-2003. The said university has been included in the list of universities maintained by the University Grants Commission under Section- 2 (f) of the UGC Act, 1956.

However, the above university, has not been declared fit to receive Central assistance in terms of the rules framed under Section 12- (B) of the U.G.C. Act, 1956.

*sd/-*  
(Sharanjit Singh)  
Deputy Secretary

**Copy to:-**

1. The Vice-Chancellor, University of Kota, Kota (Rajasthan).
2. The Secretary, Government of India, Ministry of Human Resource Development, (Department of Secondary & Higher Education), Shastri Bhavan, New Delhi-110 001.
3. The Secretary to the Government of Rajasthan, Higher Education Department, Jaipur (Rajasthan).
4. The Secretary General, Association of Indian Universities, 16 Kotla Marg, New Delhi-110 002.
5. The Joint Secretary, (SU), UGC, New Delhi.
6. Senior Statistical Officer, UGC, 35, Ferozshah Road, New Delhi-110 001.
7. All Regional Offices, UGC.
8. The Section Officer (Meeting Cell), UGC, New Delhi with the request to include the name of the University of Kota, Jaipur in the list of Universities maintained under Section-2 (f) of the UGC Act, 1956.- Prof. B.L. Verma is the first Vice-Chancellor of the University.
9. All Section of the UGC, New Delhi.
10. D.T.P. Cell, UGC, New Delhi.
11. Guard file.

*Urnil Gulati*  
(Urnil Gulati)  
Under Secretary

Ph. 23236351, 23232701, 23237721, 23234116  
23235733, 23232317, 23236735, 23239437

[www.ugc.ac.in](http://www.ugc.ac.in)



ज्ञान विज्ञान विमुक्तये

**Speed Post**

F.No. 9-23/2003 (CPP-I/PU)

**NOTIFICATION**

विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002

UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

October, 2012

**5 NOV 2012**

**University of Kota, Kota, Rajasthan** has been established by Government of Rajasthan through an Act (No. 14 of 2003) of Rajasthan legislature and notified vide State Government Gazette No. F.2(12)/Vidhi-2/2003 dated 7<sup>th</sup> June, 2003. The University is now declared eligible to receive Central Assistance in terms of Rules framed under Section 12(B) of the UGC Act, 1956 as per the decision of the Commission (item No. 5.17) dated 22<sup>nd</sup> October, 2012.

(Dev Swarup)  
Joint Secretary

**Copy to:-**

1. The Vice-Chancellor, University of Kota, M.B.S. Marg, Kota – 324 005, Rajasthan.
2. The Secretary, Government of India, Ministry of Human Resource Development, (Department of Secondary & Higher Education), Shastri Bhawan, New Delhi-110 001.
3. The Principal Secretary (Higher Education) Govt. of Rajasthan, Secretariat, Room No.19-A, SSO Building, North-East Building, Jaipur – 302 005 alongwith a copy of the report.
4. The Director, Distance Education Council, IGNOU, Maidan Garhi, New Delhi.
5. The Secretary General, Association of Indian Universities, 16 Kotla Marg, New Delhi 110 002.
6. The Director, National Assessment and Accreditation Council (NAAC), Bangalore – 560 010 (Karnataka).
7. The Director, Medical Council of India, Medical Council of India, Pocket – 14, Sector – 8, Dwarka Phase –I, New Delhi – 110 075.
8. The Secretary, Union Public Service Commission, Shahajahan Road, New Delhi 110 001.
9. Joint Secretary, State Universities, UGC, New Delhi.
10. Senior Statistical Officer, UGC, 35, Ferozshah road, New Delhi – 110 001.
11. Publication Officer (website), UGC, New Delhi.
12. SO (Meeting) UGC, New Delhi (ATN UGC item No. 5.17 dated. 22.10.2012)
13. All Regional Offices, UGC.
14. DS (FD)/SO (FD), UGC New Delhi.
15. DS (SU)/JS (Xlth Plan) UGC, New Delhi.
16. SO (CPP-I) UGC, New Delhi.
17. Guard File.

(Raksha Pahwa)  
Under Secretary

अशोक कुमार डोगरा  
Ashok K. Dogra

संयुक्त सचिव  
Joint Secretary

D.O.No F.87-1-2012(SU-I)

Dear Sir/Madam,



दूरभाष PHONE : कार्यालय OFF : 23232055  
फैक्स FAX : 23219716

विश्वविद्यालय अनुदान आयोग  
बहादुर शाह जफर मार्ग, नई दिल्ली - 110 002

UNIVERSITY GRANTS COMMISSION  
Behadur Shah Zafar Marg, New Delhi-110 002  
E-mail : akdogra@ugc.ac.in

25 JUN 2013  
June 2013

As you are aware during the first year of XII Plan period, UGC has released the Plan grant on ad-hoc basis pending finalisation of XII Plan allocation. Now, the matter was placed before the Commission at its meeting held on 10<sup>th</sup> May, 2013. Based on the availability of funds from Govt. of India, Commission has approved tentative XII Plan allocation in respect of your University under Plan amounting to Rs.7.00 Crore (Rupees Seven Crore only) for XII Plan allocation, including allocation for Merged Schemes.

1. The XII Plan General Development Assistance to universities will be provided in the form of Plan Block Grant. For State Universities, it will include construction/renovation of building (including renovation of heritage buildings), campus development, staff, books & journals, laboratory, equipment and infrastructure, annual maintenance contract, innovative research activities, university industry linkages, extension activities, cultural activities, development of ICT, health care, student amenities including hostels, Travel Grant, Conferences / Seminars / Symposia / Workshops, Publication Grant, Appointment of Visiting Professor/Visiting Fellow and Establishment of Career & Counselling Cell, Day Care Centres, Basic Facilities for Women and Faculty Development Programme, etc.
2. The Concept of Merged Scheme introduced during the XI Plan has been done away with and no separate grant under the Merged Schemes will be provided during the XII Plan.
3. The scheme called ENCORE which was initiated during XI Plan now will be a part of XII Plan General Development Assistance. No separate funding will be provided for this scheme.
4. The erstwhile Scheme of XI plan i.e. Human Rights and Duties Education is also covered under XII Plan General Development Assistance Scheme. No separate funding will be provided for this scheme.
5. Appointment/ honorarium of guest part time teachers, now will be a part of XII Plan General Development Assistance scheme.
6. Establishment of Rajiv Gandhi Chairs in Universities may be continued during XII Plan as establishment of Chairs in Universities.
7. An independent scheme of Internal Quality Assurance Cell and construction of Women Hostel will be implemented in all State Universities and now will not be a part of merged scheme and shall be continued as a separate scheme.
8. The Scheme of Special Honorarium to teachers who are fellows of at least two of the four science academies identified by UGC will be continued during XII Plan as a separate scheme.
9. It is also mentioned here that the following schemes which were earlier part of Merged Scheme now will be implemented independently by a SCT cell of UGC and separate grant will be provided by UGC under these schemes.

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- Equal Opportunity Cell
- Remedial Coaching for SC/ST/OBC (non-creamy layer) and minority community students
- Coaching for NET for SC/ST/OBC (non-creamy layer) and minority community students
- Coaching Classes for entry into services for SC/ST/OBC (non-creamy layer) and minority students.
- Scheme for persons with disabilities

The guidelines on the above scheme are being revised and will be provided to the university by the concerned bureau of UGC in due course of time.

10. Expenditure on construction and renovation of buildings should not exceed 50% of the total allocation of the Plan Block Grant. No building proposals in case of the universities, need to be sent to UGC for approval and the building proposals be approved at the University level itself. However, the university may place the building proposal before the Finance Committee for its approval after obtaining the approval from the Building Committee. The Building Committee should be constituted as per UGC guidelines. University may send the completion documents to UGC after completion of each building projects separately.

11. University may not initiate the work / project i.e. approach road, water pipe line, electric sub-station etc. which are the responsibility of the State Government. University may take up the matter with State Government or Central Government as the case may be.

12. The Central Vigilance Commission (CVC) vide its letter No.011/VGL/014 dated 11<sup>th</sup> February, 2011 has circulated the instructions on "Transparency in Tendering System" and No.01-11-CTE-SH-100 dated 17.02.2011 (copy enclosed) regarding "Mobilisation - Advance". Therefore, the construction work should be as per General Financial Rules, 2005 and CVC instructions issued from time to time.

13. The University may follow strictly the Government of India/UGC's guidelines regarding implementation of the reservation policy [both vertical (for SCs, STs & OBCs) and horizontal (for persons with disability etc.)] in teaching and non-teaching posts.

14. The release of grant will also be linked to academic and administrative reforms as well as compliance of various policies of the UGC and the Government of India.

15. As per UGC (Mandatory Assessment and accreditation of Higher Educational Institutions) Regulation, 2012, it shall be the mandatory for each Higher Educational institution to get accredited by the Accreditation Agency after passing out of two batches or six years whichever is earlier, in accordance with the norms and methodology prescribed by such agency or the Commission, as the case may be. Therefore, university may get accreditation if it has not been done so far failing which UGC will take appropriate action for withholding of all grants.

16. University may maintain a separate account under plan schemes for creation of capital assets (Non-Recurring), Grant-in-Aid General (recurring) and salary head and furnish the year wise information to UGC for each item of expenditure incurred under Plan Grant indicating General, SC and ST components separately.

17. University may utilize proportionate grant on half yearly basis. Any portion which remain unutilized will be considered to be lapse. UGC will also consider allocating the unutilized grant of the University to other Universities which are better performing and are also following the various academic reforms as well as implementation of various policies of Govt. of India. Therefore, the University is advised to utilize the grant fully.

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18. University is therefore requested to work out itemwise priorities of University within the XII Plan allocation as decided herein before by the Commission. The same may be sent to UGC in the enclosed format (itemwise) within one month for record purpose.

19. The University may obtain the prior administrative approval of UGC for creation of any teaching posts under Block Plan Grant if it required essentially.

20. I hope the University must have also initialized the Academic Reforms as already circulated by the UGC vide its D.O.No.F.1-2-2008 (XI Plan) dated 31<sup>st</sup> January, 2008 and subsequent reminder vide D.O.No.F.1-2-2008 (XI Plan) dated 17<sup>th</sup> October, 2012 (copy enclosed). It may also be ensured that the University has adopted the University Grants Commission (Minimum Standards and Procedure for award of M.Phil/Ph.D Degree), Regulations, 2009 UGC Regulation on Minimum Qualification for appointment of teachers and other Academic staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2010.

In the end, I would request you to ensure that documents pertaining to utilization of the grants received by the university shall be submitted to the UGC in time to enable smooth management of funds and to avoid unnecessary audit objections. The release of grant would depend on the pace of expenditure by the University & timely submission of utilization certificate / statement of expenditure.

Please feel free for any clarifications in this regard.

With warm regards,

Your sincerely



(A.K Dogra)

**The Vice-Chancellor**  
**University of Kota**  
**Kota, Rajasthan - 324 005**

Encl.as:-

1. Copy of CVC circular on Transparency in Tendering System.
2. Copy of CVC circular on Mobilization Advance.
3. Copy of Action Plan for Academic and Administrative Reforms.
4. Copy of Academic Reforms in Universities.
5. Proforma for submitting the re-priorities.