

# **The Annual Quality Assurance Report 2010-2011**



***Submitted by***  
**Pt. Ravishankar Shukla University**  
**Raipur-492 010, Chhattisgarh**

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

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## **The Annual Quality Assurance Report**

<b>Name of the Institution:</b>	Pt. Ravishankar Shukla University, Raipur – 492 010, Chhattisgarh
<b>Year of Report:</b>	2010-2011
<b>Name of the Head of the Institution:</b>	Prof. S. K. Pandey
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<b>e-mail:</b>	<a href="mailto:skp@iucaa.ernet.in">skp@iucaa.ernet.in</a> <a href="mailto:proskp@gmail.com">proskp@gmail.com</a>
<b>Fax:</b>	0771-2263439
<b>Name of the IQAC Director:</b>	Dr. Atanu Kumar Pati
<b>Phone (O):</b>	0771-2262631
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## **Section A: Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement**

### **Academic (Teaching & Research)**

- To fill up the vacant faculty positions.
- To create new positions for faculty in various School of Studies.
- To provide state-of-the-art labs for students and research scholars.
- To encourage faculty to organize national/ international seminars, symposia, conferences and workshops.
- To encourage faculty and research scholars to participate in national/ international seminars, symposia, conferences and workshops.
- To invite experts to deliver invited lectures in various Schools.
- To encourage faculty to initiate collaborative research with their peers in other national and international institutions.
- To encourage faculty to undertake minor and major research projects.
- To install latest audio-visual gadgets in all Schools to enhance the quality of teaching.
- To encourage faculty to publish their research outcome in peer-reviewed journals.
- To develop inventories for student feedback on teaching-learning to ensure quality in teaching.
- To introduce ICT to make teaching-learning process more effective.

### **Infrastructure & Learning Resources**

- To expand office and lab space in the campus.
- To improve University web-site and to form central computing system for the benefit of the students.
- To provide network labs to students.
- To augment infrastructural facilities in library and subscribing to more number of journals for the benefit of the staff and students.

### **Student Support Services**

- To introduce the scheme “Earn-While-Learn (EWL)”
- To provide special coaching classes for GATE, CSIR-UGC (NET) aspirants.
- To train students to have careers in Corporate Sector, Civil Services, Multinational Agencies, Market Research Agencies.
- To help students by providing them with various scholarships and fellowships.
- To expand student-specific health facilities of the existing health center.

### **Others**

- To promote co-curricular activities intensively.

- To promote activities of the Alumni Association. At present few departments have their own alumni association. There is an urgent need to create a central Alumni Association for the University.
- To initiate environment awareness programs among the students and general public.
- Entrepreneurship guidance for those interested in developing business of their own.

## **Section B – Details in respect of the following:**

### **1. Activities reflecting the goals and objectives of the Institution**

The University does its best to provide the students, belonging to all sections of the society, with quality education across the academic programs it offers. It designs its curriculum in such a way that students become competent and skilled. It undertakes quality teaching and research by motivating the faculty of the UTDs and its affiliated colleges. It provides environment that is congenial for the process of teaching and learning.

### **2. New academic programs initiated (UG and PG)**

<b>S. No.</b>	<b>Level</b>	<b>Name of the course</b>	<b>Remark</b>
1.	UG	-	-
2.	PG	▪ Environmental Science	2010-2011
		▪ Master of Social Work, MSW	2010-2011

### **3. Innovations in curricular design and transaction**

- The University adopted semester system for all PG programs it offers.
- The syllabus is revised in each academic session and attempts are made to introduce new knowledge/ concepts of each subject.
- Most of the subjects followed UGC model syllabus.
- In many subjects industry-based projects are made essential component of the curriculum.
- In all programs project work and seminars have been introduced.
- Tutorials have been introduced as an essential component of the time table.

### **4. Inter-disciplinary programs started**

<b>S. No.</b>	<b>Name of the program</b>	<b>Participating department/ Institute</b>	<b>Date of commencement</b>
1.	Environmental Science	Chemistry, Biotechnology, Life Science	2010-2011
2.	MSW	Sociology, Anthropology	2010-2011

### **5. Examination reforms implemented**

All SoSs are having semester system in P.G. as recommended by the UGC. Semester system of examination for B. Pharm. course was introduced, w.e.f., 2010. Examination reforms implemented as per the semester system. Internal assessment was carried out through internal tests and seminars. Assignments and seminars are the parts of internal valuation. Tutorial classes for the students are organized on the basis of their performance in internal test. Entrance exam has been started in M. Phil. and Ph. D. In management three internal tests are conducted and best out of two are selected to give internal marks to student. The Schedule of internal test is mentioned in the academic calendar of the university.

**6. Candidates qualified: NET/SLET/GATE etc.**

<b>School of Studies</b>	<b>NET</b>	<b>GATE</b>	<b>Others</b>
Anthropology	03	-	-
Biotechnology	01	-	-
Geology & Water Resource Management	-	-	01
History	01	-	-
Life Sciences	01	-	-
Institute of Management	01	-	-
Institute of Pharmacy	-	-	16
Institute of Teachers Education	-	-	02
<b>Total</b>	<b>07</b>	<b>0</b>	<b>19</b>

<b>S. No.</b>	<b>Name of the student</b>	<b>Examination qualified</b>	<b>Remark</b>
<b>SoS in Anthropology</b>			
1.	Sampada Bais	UGC-NET-JRF	-
2.	Bhikam Singh	UGC- NET (Lectureship)	-
3.	Amod Tirkey	UGC- NET (Lectureship)	-
<b>SoS in Biotechnology</b>			
4.	Surabhi Goyal	CSIR-NET	-
<b>SoS in Geology &amp; Water Resource Management</b>			
5.	Pawan Kumar	Geologist Examination conducted by UPSC, New Delhi	-
<b>SoS in History</b>			
6.	Manoj Panda	UGC-NET	-
<b>SoS in Life Sciences</b>			
7.	Babita Pande	CSIR-NET (Lectureship)	-
<b>Institute of Management</b>			
8.	Tapas Lata Sahu	NET-JRF	-
<b>Institute of Pharmacy</b>			
9.	Piyush Jaiswal	GPAT	-
10.	Manisha Ware	GPAT	-
11.	Satyam Chandrakar	GPAT	-
12.	Parag Jain	GPAT	-
13.	Ajay Behra	GPAT	-
14.	Naina Bhoyar	GPAT	-
15.	Chandan Sahu	GPAT	-
16.	Disha Agrawal	GPAT	-
17.	Bhupendra Yadav	GPAT	-
18.	Shweta Bhattacharya	GPAT	-
19.	Sunita Pradhan	GPAT	-
20.	Kamna Patel	GPAT	-
21.	Kalpna Rathore	GPAT	-
22.	Toshiba Mishra	GPAT	-
23.	Hukendra Sahu	GPAT	-
24.	Omeshwari Sahu	GPAT	-
<b>Institute of Teachers Education</b>			
25.	Sohan Lal	Education	-
26.	Riya Tiwari	Education	-

## **7. Initiative towards faculty development program**

**SoS in Computer Science & IT:** Two faculties attended and presented research papers, respectively in National and International conferences.

**SoS in Electronics and Photonics:** Faculty members are encouraged to participate in the Conferences/ Workshops/ Seminars of National/ International level.

**SoS in Geography:** Dr. Uma Gole Attended Workshop on “How to write Research Methodology & Research Paper,” organized from 4.01.2011 to 10.01.2011.

**SoS in Literature and Languages:** Total nine International and ten National conferences were attended by faculties. Twelve research papers, ten at National and two at International conferences were presented.

**SoS in Mathematics:** One of the faculties worked as I/c Director of the ASC for making and implementing programs.

### **Institute of Pharmacy:**

1. Faculty members regularly participated in International and National Seminars/ Conferences/ Symposia/ Convention/ Workshop/ Refresher course/ Orientation Program.
2. Prof. S. Saraf and Dr (Mrs) S. Saraf attended International Conference at Louisiana, New Orleans, USA in 2010.

**SoS in Physical Education:** Faculties are encouraged to participate in Seminars/ Conferences/ Symposia/ and other academic activities.

**SoS in Physics and Astrophysics:** Faculty members are encouraged to participate in the Conferences/ Workshop/ Seminars of National/ International level.

**SoS in Psychology:** One International and twelve National conferences were attended by faculties. Three research papers at National and one at International conferences were presented.

**SoS in Sociology:** Five National conferences were attended by faculties in which six research papers were presented.

**Institute of Teachers Education:** Six National conferences were attended by faculties in which six research papers were presented.

## **8. Total number of seminars/workshops conducted:**

<b>School of Studies</b>	<b>Seminars/workshops/conferences</b>
Electronics and Photonics	02
Geography	01
Life Sciences	06
Literature and Languages	02
Institute of Pharmacy	01
Physics and Astrophysics	02
Psychology	03
Sociology	01
IUCAA Resource Center (IRC), SoS in Physics and Astrophysics	06
Public Outreach Center	02
Total:	26

<b>S. No.</b>	<b>Name of the Seminar/ Workshop</b>	<b>Date (From/To)</b>	<b>Remark</b>
<b>SoS in Electronics and Photonics</b>			
1.	International Conference on “Vedic Sciences and its Applications”	November 19-21, 2010	Dr. Sanjay Tiwari acted as Co-convenor of International Conference
2.	Organized a Talk by Dr. S. K. Malhotra Head Public Awareness Division BARC Mumbai on Splitting of atom for progress of Nation on National Science Day	February 22, 2010	Dr. Sanjay Tiwari acted as Coordinator
<b>SoS in Geography</b>			
3.	One day Seminar on “Environment, Biodiversity and Geographical Technique”	10 February, 2011	Organized by Geography Academic Forum (2010-2011)
<b>SoS in Life Sciences</b>			
4.	8 <sup>th</sup> Chhattisgarh Young Scientist Congress	April 9, 2010	Dr. Aditi Poddar
5.	DST sponsored INSPIRE internship summer camp for school children, Pt. RSU	June 4-8 and 10-14, 2010	PRSU; Coordinator: AK Pati
6.	UGC National Seminar on Examination Reforms	March 7-9, 2011	Dr. Aditi Poddar
7.	The 47 <sup>th</sup> Annual Convention of chemists and international conference on Recent Advances in Chemical Sciences Society, Kolkata venue-PRSU, Raipur	December 23-27, 2010	Dr. Aditi Poddar
8.	“Medicinal plants used by local inhabitants in Jashpur district”. UGC Sponsored National Conference on Climate Change & It's Effect on Biodiversity, at Department of Biotechnology & Microbiology, Bhilai Mahila Mahavidyalaya, Bhilai	February 5-6, 2011	Dr. Amia Ekka
9.	“Environmental Issues and Challenges”, Organized by PRSU	March 29, 2010	Dr. S.K. Prasad
<b>SoS in Physics and Astrophysics</b>			
10.	National Conference on Luminescence Applications (NCLA)	February 7-9, 2011	Convener was Dr. R.N. Baghel
11.	29 <sup>th</sup> Scientific Meeting of Astronomical Society of India (ASI-2011)	February 23-25, 2011	Convener was Dr. S.K. Pandey
<b>SoS in Psychology</b>			
12.	Data and Analysis: Use of SPSS	October 22, 2010	Convener was Dr. Meeta Jha
13.	Health & communication	August 12, 2010	Convener was Dr. P. Shukla
14.	Women and Research” for University and College teachers	August 04, 2010	Convener was Dr. P. Shukla
<b>IUCAA Resource Center (IRC), SoS in Physics and Astrophysics</b>			
15.	Telescope & Multiwavelength Universe + Sky watching programme	April 22, 2010	SCERT, Raipur
16.	Sky watching programme	September 21, 2010	VC Bungalow, Raipur,

17.	Organized "Astronomy week: astronomical lectures, telescope demonstration and sky watching programme" at various colleges and school (Digvijay College Rajnandgaon, Dumartarai School, Raipura School, Radiant Public School Nimora, Ramsagar Para School, Kalyan College Bhilai and Mujgahan School)	January 9-18, 2011	-
18.	Delivered astronomical lecture, arranged telescope demonstration and sky watching programme at a camp at Barnawapara/Turturiya	February 17, 2011	-
19.	Lecture Series by Prof. J.V. Narlikar		-
20.	Organized Telescope demonstration and sky watching programme for the INSPIRE participants	December 02-06, 2010 December 15-19, 2010 June 04-08, 2010 June 10-14, 2010	-
<b>Public Outreach Center</b>			
21.	The search for Micro-life in the Earth's atmosphere	April 16, 2011	Prof. J.V. Narlikar
22.	Vision & Mission of University to Achieve success	August 23, 2011	Prof. Azhar Kazmi

**9. Research projects – (a) Ongoing; (b) Completed**

School of Studies	Ongoing	Completed
Anthropology	02	-
Biotechnology	01	-
Electronics and Photonics	04	-
Geography	01	-
Life Science	02	02
Mathematics	-	01
Institute of Pharmacy	05	-
Physics and Astrophysics	04	-
Psychology	01	-
Sociology	01	01

S. No.	Title of the project	PI/Co-PI	Funding agency	Duration	Status (on-going/ Completed)
<b>SoS in Anthropology</b>					
1.	Genomic & Cultural Diversity	Coordinator/ Co-coordinator- M. Mitra/ A. Kumar	UGC-SAP-DRS-I Project	2007-12	Ongoing
2.	Perspective of	Jitendra Kumar	UGC Minor	2009-11	Ongoing

	Behavior and Involvement of Men in Reproductive Health: A Bio-Cultural Exploration of Baiga Tribe of Chhattisgarh	Premi	Project		
<b>SoS in Biotechnology</b>					
3.	Screening of Microbes for Bioethanol production from Mahu ( <i>Madhuca indica</i> ) flowers	S.K. Jadhav/ Afaque Quraishi	UGC	2011-13	Ongoing
<b>SoS in Electronics and Photonics</b>					
4.	Design and characterization of polymer light emitting diodes	Sanjay Tiwari	UGC	2009-12	Ongoing
5.	Design and simulation of organic electroluminescent	-do-	CCOST	2009-11	Ongoing
6.	Fabrication and modeling of PbS/TiO <sub>2</sub> Quantum Dot Photovoltaic devices	-do-	Fulbright Commission Washington USA	2010-11	Ongoing
7.	Simulation of organic solar cells	-do-	UGC Research Award	2010-12	Ongoing
<b>SoS in Geography</b>					
8.	“छत्तीसगढ़ के नगरों में शिशु मर्त्यता प्रतिरूप”	Sarla Sharma	UGC	2011-14	Ongoing
<b>SoS in Life Sciences</b>					
9.	Study of circadian rhythm in the cognitive ability to judge short-interval durations in humans and the effect of light at night (LAN)	A.K. Pati/Arti Parganiha	DST, New Delhi	2010-13	Ongoing
10.	Circadian profile of nitrate reductase activity in <i>Jatropha curcus</i>	Sunita Patra/ A.K. Pati	CCOST, Raipur	2008-10	Completed
11.	Survey and pathophysiology of plant diseases due to nematode in Chhattisgarh	Aditi Poddar	CCOST, Raipur	3 Years 10 months	Completed (June-2010)
12.	Study of rest-activity circadian rhythm in therapy and cancer patients: An attempt to develop strategies for chronotherapy and QoL	Arti Parganiha/ Vivek Choudhary	UGC, New Delhi	2009-12	Ongoing
<b>SoS in Mathematics</b>					
13.	Variational inequality	BS Thakur	CCOST	-	Completed

<b>Institute of Pharmacy</b>					
14.	Natural polymer based lipospheres: versatile delivery carrier for Proteins and peptides	Manju Singh	CCOST	2011-13, 2 Years	Ongoing
15.	Establishment and optimization of hairy root of costus speciosus for production of diosgenine	Deependra Singh	CCOST	2011-13, 2 Years	Ongoing
16.	Targeted delivery of phytoconstituents to reduce ultra violet radiation generated skin cancer	Swarnlata Saraf	UGC	2010-13, 3 Years	Ongoing
17.	Development and characterization of novel drug delivery systems for plant actives and extracts	Deependra Singh and S. Saraf	UGC	3 Years	Ongoing
18.	Development of quality control methods for some Ayurvedic Formulations	S. Saraf	UGC	3 Years	Ongoing
<b>SoS in Physics and Astrophysics</b>					
19.	Ion conducting electroactive polymers: Synthesis, characterization and electrochemical device prospects	R.C. Agrawal	CSIR	-	Ongoing
20.	Fast ion conducting system synthesis cauterization and solid state electrochemical device applications.	R.C. Agrawal	CCOST	2007-11	Ongoing
21.	Synthesis & characterization of molecules & their applications.	N. Brahme/ D.P. Bisen	CCOST	2010-12	Ongoing
22.	Luminescence behavior of (ZnS) 1-x(MnTe)x semiconducting phosphors.	N. Baghel/ D.P. Bisen	CCOST	2011-13	Ongoing

**10. Patents generated, if any**

**Pharmacy:** Green tea extract loaded ethosomal creams for photochemoprevention of skin, Patient file No:- 2826/MUM/2010,dated 12/10/2010 filed by Dr. (Mrs) Swarnlata Saraf and Mrs. Chanchal Deep Kaur.

**11. New collaborative research programs**

S. No.	Type of collaboration	Collaborating partners	Date of MoU	Date of commencement
<b>SoS in Electronics</b>				
1.	Dr. Sanjay Tiwari has pursued and successful in implementation of an agreement between Physics Deptt. The University of California Santa Cruz and School of Studies in Electronics Pt. RSU, Raipur, India on June 21, 2011 to recognize the value of educational, cultural, and scientific exchanges between Universities.	University of California Santa Cruz	June 21, 2011	June 21, 2011
2.	Joint study agreement to collaborate in modeling and simulation of nanostructured solar cells and devices	University of California Santa Cruz (Technical Coordinatoor Dr. Sanjay Tiwari and IBM Almaden Research Center, San Jose)	January 08, 2011	January 08, 2011
<b>SoS in Mathematics</b>				
3.	Monitoring of research proposals	CCOST	-	2010-2011
4.	To strengthen industry-academia linkage: ONGC extended one scholarship of Rs 5000/pm to M.Sc. I <sup>st</sup> year topper in Physics	Oil and Natural Gas Corporation Limited (ONGC)	2011 onward	July 2011
5.	Educational Scientific/Cultural/Exchange between PRSU Raipur & ARIES	ARIES	June 11, 2011	-
6.	Educational Scientific/Cultural/Exchange between PRSU Raipur & U.C.S.C, USA	The University of California, Santa Cruz California, USA	June 22, 2011	June 22, 2011
7.	Research	Research councils UK (RCUK)	Under process	-

**12. Research grants received from various agencies**

S. No.	Title of the project	PI/Co-PI	Funding agency	Grants received [INR in lac]
<b>SoS in Anthropology</b>				
1.	Genomic & Cultural Diversity	Coordinator/ Co-coordinator - M. Mitra/A. Kumar	UGC (UGC-SAP-DRS-1 Project)	33.14
2.	Perspective of Behavior and	Jitendra Kumar	UGC (UGC	0.999

	Involvement of Men in Reproductive Health: A Bio-Cultural Exploration of Baiga Tribe of Chhattisgarh (SoS in Anthropology)	Premi	Minor Project)	
<b>SoS in Biotechnology</b>				
3.	Screening of Microbes for Bioethanol production from Mahu ( <i>Madhuca indica</i> ) flowers	SK Jadhav/ Afaque Quraishi	UGC	7.41
<b>SoS in Electronics and Photonics</b>				
4.	Design and Characteriation of Polymer Light Emitting Diodes	Sanjay Tiwari	UGC, New Delhi	9.71
5.	Design and Simulation of Organic Electroluminescent Devices	-do-	CCOST, Raipur	2.00
6.	Fabrication and modeling of PbS/TiO <sub>2</sub> Quantum Dot Photovoltaic devices	-do-	Fulbright Commission Washington, USA	\$32650
7.	Simulation of Organic Solar Cells	-do-	UGC (UGC Research Award)	3.0 Lac and Full Salary of Research Awardee
8.	Design and Implementation of Image Enhancement Technique in Spatial Domain	Kavita Thakur	CCOST, Raipur	2.00
<b>SoS in Geography</b>				
9.	“छत्तीसगढ़ के नगरों में शिशु मर्त्यता प्रतिरूप”	Sarla Sharma	UGC	6.90
<b>SoS in Life Science</b>				
10.	Study of circadian rhythm in the cognitive ability to judge short-interval durations in humans and the effect of light at night (LAN)	A.K. Pati/Arti Parganiha	DST, New Delhi	31.20
11.	Circadian profile of nitrate reductase activity in <i>Jatropha curcus</i>	Sunita Patra/ A.K. Pati	CCOST, Raipur	2.00
12.	DRS-SAP-II	SoS Life Sciences		
13.	Survey and pathophysiology of plant diseases due to nematode in Chhattisgarh	Aditi Poddar	CCOST, Raipur	1.96
14.	Study of rest-activity circadian rhythm in therapy and cancer patients: An attempt to develop strategies for chronotherapy and QoL	Arti Parganiha / Dr. Vivek Choudhary	UGC, New Delhi	9.15
<b>SoS in Mathematics</b>				
15.	Library grant	-	NBHM, Mumbai	2.50
<b>Institute of Pharmacy</b>				
16.	Natural polymer based lipospheres: versatile delivery carrier for proteins and	Manju Singh	CCOST	2.0

	peptides			
17.	Establishment and optimization of hairy root of <i>costus speciosus</i> for production of diosgenine	Deependra Singh	CGCOST	2.0
18.	Targeted delivery of phytoconstituents to reduce ultra violet radiation generated skin cancer	Swarnlata Saraf	UGC	7.70
19.	Development and characterization of novel drug delivery systems for plant actives and extracts	Deependra Singh and S Saraf	UGC	5.89
<b>SoS in Physics and Astrophysics</b>				
20.	Ion conducting electroactive polymers: Synthesis, characterization and electrochemical device prospects	R.C. Agrawal	CSIR 11.00 Lac	0.95
21.	Fast ion conducting synthesis characterization and solid state electrochemical device applications.	R.C. Agrawal	CCOST 1.91 Lac	0.20
22.	Synthesis & characterization of molecules & their application	Nameeta Brahme/ D.P. Bisen	CCOST 2.00 Lac	0.57
23.	Luminescence behavior of (ZnS) 1-x(Mn Te)x semiconducting phosphors.	R.N. Baghel/ D.P. Bisen	CCOST 2.00 Lac	0.57

### 13. Details of research scholars

School of Studies	Number of Research Scholars		
	Registered	Awarded	Submitted
Anthropology	08	-	-
Biotechnology	06	-	-
Comparative Religion and Philosophy	14	01	-
Geography	15	-	-
Geology & Water Resource Management	02	-	-
History	17	-	-
Life Sciences	27	-	-
Institute of Management	08	-	-
Mathematics	07	-	-
Institute of Pharmacy	05	-	-
Physical Education	12	-	-
Physics and Astrophysics	11	-	-
Regional Studies and Research	03	-	-

S. No.	Name of the Scholar	Name of Guide/ Co-guide	Date of registration (dd/mm/yy)	Mention name of fellowship and Agency
<b>SoS in Anthropology</b>				
1.	Pragya Gajendra	M. Mitra	22/09/2009	RGNF, UGC
2.	Shiv Kumar Patel	M. Mitra	30/08/2007	-
3.	Sampada Bais	M. Mitra	22/09/2009	UGC Fellowship

4.	Priyanka Lakra	M. Chakravarty	22/09/2009	RGNF
5.	Sameer K. Kurrey	A. Pradhan	22/09/2009	RGNF, UGC
6.	Dilip Mandawi	A. Kumar	12/10/2004	-
7.	Ritu Rao	A. Kumar	29/10/2004	-
8.	Ritu Sirmour	A. Pradhan	22/9/2009	-
<b>SoS in Biotechnology</b>				
9.	Pramod Mahish	SK Jadhav/KL Tiwari	3/10/2009	RGNF, UGC
10.	Nagendra Chandrawanshi	SK Jadhav/KL Tiwari	3/10/2009	JRF, UGC
11.	Shubhra Tiwari	SK Jadhav/KL Tiwari	3/10/2009	-
12.	Sumit Tripathi	SK Jadhav/KL Tiwari	3/10/2009	-
13.	Arunima Karkun	SK Jadhav/KL Tiwari	3/10/2009	-
14.	Punit Gupta	KL Tiwari	3/10/2009	-
15.	Abhijit Rai	RK Pradhan/ SK Jadhav	-	-
<b>SoS in Comparative Religion and Philosophy</b>				
16.	Dhruv Kumar Shashwat	B. Singh	31/08/2006	-
17.	Yuglesh Choubey	B. K. Rao	09/11/2006	-
18.	Ajay Kumar Pandey	B. Singh	12/08/2008	-
19.	Madhulika Sharma	B. K. Rao	05/09/2009	-
20.	Preetibala Mishra	B. K. Rao	05/09/2009	-
21.	Vivek Kant Jogi	Sanjay Tiwari	05/07/ 2008	RGNF (Completed)
22.	Jeetendra Kumar	Sanjay Tiwari	05/07/ 2008	-
23.	Rajesh Kumar Vishwakarma	Sanjay Tiwari	09/07/2009	-
24.	Nawab Mehfoo Qureshi	Sanjay Tiwari	-	Awarded in 11/12/2010
25.	Prafulla Kumar Vyas	Kavita Thakur	05/07/ 2008	-
26.	Bheshak Kumar Devangan	Kavita Thakur	05/07/ 2008	-
27.	Ajaj ur Rehman	Kavita Thakur	05/07/ 2008	-
28.	Nivedita Kulkarni	Kavita Thakur	05/07/ 2008	-
29.	Vandana Jha	Kavita Thakur	09/07/2009	-
30.	Rajesh Prasad	Kavita Thakur	09/07/2009	-
Students recommended by DRC for Admission in Pre-Ph.D. Course, Date of Counseling 27/07/2011				
31.	Rashmi Swamy	Sanjay Tiwari	Doing Ph.D. Course Work	-
<b>SoS in Geography</b>				
32.	Shahzadi Begum	Z.T. Khan	26/03/2004	-
33.	Shraddha Devi Sahu	Z.T. Khan	04/12/2004	Pt. R.S. University (PRSU) Research Scholar Award (2007-08), Short-term Fellowship, ICSSR (2010)
34.	Tripti Rajput	A. Baghel	20/12/2005	PRSU Research Scholar Award (2006-07)
35.	Bandana Das	S. Sharma	21/08/2006	PRSU Research Scholar Award (2008-09)
36.	Shyambati Sandil	M.P. Gupta	06/09/2006	PRSU Research

37.	Pratima Vishwakarma	A. Baghel	04/01/2007	Scholar Award (2007-08) PRSU Research Scholar Award (2007-08)
38.	Smt. Gouri Verma	N.K. Baghmar	13/12/2006	-
39.	Sk. Mustak	N.K. Baghmar	12/08/2009	PRSU Research Scholar Award (2007-09), Maulana Azad National Fellowship (MNF UGC, 2010-11)
40.	Vijay Bahadur Jain	S. Sharma	12/08/2009	PRSU Research Scholar Award (2010-11)
41.	Nausheen Anjum	Z.T. Khan	12/08/2009	PRSU Research Scholar Award (2008-09), MNF, UGC (2009-11)
42.	Rameshwar Prasad Bandhe	M.P. Gupta	12/08/2009	RGNF (2009-11)
43.	Jeetendra Kumar Hota	M.P. Gupta/S. Shrama	12/08/2009	-
44.	Jyoti Yadav	M.P. Gupta/S. Shrama	12/08/2009	PRSU Research Scholar Award (2009-10)
45.	Dipak Kumar Maity	N.K. Baghmar	12/08/2009	-
46.	Gouri Sahu	Z.T. Khan	12/08/2009	-
<b>SoS in Geology &amp; Water Resource Management</b>				
47.	Poornima Brahme	D.P. Kuity	27/10/2009	(i) As Project fellow (2009-2010) 2. Ph.D. fellowship given by Higher Education M.P. Bhopal (December 2010-March 2011)
48.	Pradeep S Gaur	M.W.Y. Khan	27/10/2009	-
<b>SoS in History</b>				
49.	Chhabi Lal Sahu	Abha R. Pal	11/08/2009	-
50.	Sarita Meshram	Abha R. Pal	31/10/2008	-
51.	Priya Rai	Abha R. Pal	12/12/2008	ICHR
52.	Preeti R Lakra	Abha R. Pal	07/01/2009	ICHR
53.	Jitendra Mankar	Abha R. Pal	25/08/2009	RGNF
54.	Tiharu Ram Baghel	Abha R. Pal	13/01/2009	RGNF
55.	Archana Kori	Shampa Chowbey	25/08/2009	RGNF
56.	Saranjeet Kaur	Abha R. Pal	15/12/2008	ICHR
57.	Mamta Kosaria	A. Pandey	15/12/2008	-
58.	Kawaljit Kaur	K.K. Agrawal	09/09/2009	UTD
59.	Rajesh Shukla	K.K. Agrawal	11/08/2009	-
60.	Raheshyam Patel	Abha R. Pal	27/08/2008	ICHR
61.	Pushpa Khiladi	K.K. Agrawal	20/01/2009	-
62.	Numan Singh Verma	Renuka Jha	-	-
63.	Umesh Yadav	K.K. Agrawal	-	-
64.	Sanjay Kumar Kar	D.S. Jagat	-	-
65.	Sujit Mondal	-	-	-
<b>SoS in Life Sciences</b>				
66.	Razia Sultana	A.K. Pati	04/01/2008	MNF, UGC

67.	Babita Pande	A.K. Pati	16/04/2008	(1.5.2010) JRF, DST under CSI scheme (24.12.2010)
68.	Arati Singh	A.K. Pati/Arti Parganiha	20/10/2009	University Fellowship
69.	Shrutika Kankaria	A.K. Pati/Arti Parganiha	20/10/2009	BRS Fellowship, UGC (1.4.2010)
70.	Premlata Tiwari	A.K. Pati/Arti Parganiha	20/10/2009	-
71.	Bharti Sahu	Vijaya Koche	19/12/2005	
72.	Amita Sharone	Vijaya Koche	19/12/2005	DBT, New Delhi
73.	Aruna Shrivastava	Vijaya Koche	19/12/2005	-
74.	A. Soni	S. C. Naithani	18/02/2008	-
75.	J. Pradhan	S. C. Naithani	01/12/2008	-
76.	J. Bakshi	S. C. Naithani	22/04/2008	-
77.	V. Thomas	S. C. Naithani	26/03/2008	-
78.	Rashmi Mishra	R. K. Pradhan	-	-
79.	Rakesh Soni	R. K. Pradhan	-	DRS-Fellow
80.	Chaynika Nag	R. K. Pradhan	-	University Fellowship
81.	Mr. Abhijit Ray	R. K. Pradhan	-	-
82.	Mrs. Paromita Dubey	R. K. Pradhan	-	-
83.	Seema Bilorkar	A.K. Gupta & Vibhuti Rai	-	-
84.	Ashish Sarkar	A.K. Gupta & Vibhuti Rai	-	-
85.	Suruchi Parkhey	K.K. Sahu	-	UGC-BSR
86.	Alka Mishra	Aditi Poddar	28/2/2007	Nil
87.	Reena Sao	Aditi Poddar	27/7/2006	Nil
88.	Preeti Chandra	Aditi Poddar	23/8/2006	RGNF, UGC
89.	Surendra Gautam	Aditi Poddar	12/10/09	RGNF, UGC
90.	Kavita Dehare	S.K. Prasad	29/03/2010	-
91.	Nishtha Vaidya	Arti Parganiha	05/08/2006	SRF, CSIR
92.	Saba Taj	Arti Parganiha	20/10/2009	INSPIRE, DST
<b>Institute of Management</b>				
93.	Siddarth Das	R.P. Das	-	-
94.	Tarun Sharma	R.P. Das	-	-
95.	Sumaila Syed	R.P. Das	05/10/2009	-
96.	SuchitraRathi	R.P. Das	05/10/2009	-
97.	S.D. Sharma	A.K. Shrivastav	05/10/2009	-
98.	Saket RanjanPraveer	A.K. Shrivastav	05/10/2009	-
99.	S.K. Indulkar	A.K. Shrivastav	05/10/2009	-
100.	Vijay Patel	A.K. Shrivastav	05/10/2009	-
<b>SoS in Mathematics</b>				
101.	Niyati Gurudwan	B.K. Sharma	05/03/2008	-
102.	HemlalSahu	B.K. Sharma	22/01/2009	-
103.	Sunil Kasyap	B.K. Sharma	08/10/2007	-
104.	Swati Verma	B.K. Sharma	24/12/2009	-
105.	Suja Varghese	B.S. Thakur	24/12/2009	-
106.	Manju Sanghi	B.S. Thakur	24/12/2009	-
107.	Deepali Rai	B.S. Thakur	24/12/2009	-
<b>Institute of Pharmacy</b>				
108.	Shiv Shankar Shukla	S. Saraf/ Swarnlata Saraf	26/12/2007	-
109.	Ravindra Pandey	S. Saraf/ Swarnlata Saraf	26/12/2007	-

110.	Sweta Kapoor	Swarnlata Saraf	10/08/2007	Associated in project, UGC
111.	Chanchal deep Kaur	Swarnlata Saraf	26/10/2009	Associated in project, UGC
112.	Ajazuddin	S. Saraf	26/10/2009	Associated in project, UGC

**SoS in Physical Education**

113.	Sunil Bhoi	Reeta Venugopal	-	-
114.	Bhoj Ram Rawate	Reeta Venugopal	-	-
115.	Hridyanand	Reeta Venugopal	-	-
116.	Rinku Tiwari	Reeta Venugopal	-	-
117.	Dileep Tirkey	Reeta Venugopal	-	-
118.	Sabir Anant	Reeta Venugopal	-	JRF
119.	Bhushan Kerke	CD Agashe	-	-
120.	Bashir Pathan	CD Agashe	-	-
121.	Jagjeet Singh	CD Agashe	-	-
122.	Madanlal Kurre	CD Agashe	-	-
123.	Arun Kumar Nayak	CD Agashe	-	-
124.	Bhat Bhalchandra Laxman	CD Agashe	-	-

**SoS in Physics and Astrophysics**

125.	Ravi Sharma	D.P. Bisen	14.10.2009	-
126.	Anil Kumar Choubey	Nameeta Brahme	14.10.2009	-
127.	Anuradha Gupta	Nameeta Brahme /D.P. Bisen	14.10.2009	-
128.	Rehana Asarfi	R.C. Agrawal	14.10.2009	-
129.	Puna Ram Sinha	R.K. Manchanda/ S.K. Pandey	14.10.2009	-
130.	Alok Kumar Luka	R.N. Baghel	14.10.2009	-
131.	Sheetal Kumar	S.K. Pandey	14.10.2009	-
132.	Manmeet Kaur	D.P. Bisen/ Nameeta Brahme	14.10.2009	-
133.	Deepti Aganihotri	R.N. Baghel/ D.P. Bisen	14.10.2009	University Fellowship
134.	Lata Wanjari	D. P. Bisen	14.10.2009	University Fellowship
135.	Moh. Ziauddin	Nameeta Brahme	14.10.2009	
Students recommended by DRC for admission in Pre PhD course, Date of counseling 27/07/2011				
136.	Raju Chandrakar	R.N. Baghel	-	-
137.	Sanjay Parganiha	R.N. Baghel	-	-
138.	Sanjay Kumar Sao	Nameeta Brahme	-	-
139.	Deepti Panday	Nameeta Brahme	-	-
140.	Gitangali Sahu	A.S. Gour	-	-
141.	Ishwar Prasad Sahu	D.P. Bisen	-	-
142.	Raunk Kumar Tamrakar	D.P. Bisen	-	-
143.	Saurabh Samanta	R.C. Agrawal	-	-
144.	Akhilesh Jadhav	A.S. Gour	-	-
145.	Mayukh Pahari	J.S. Yadav/ S.K. Pandey	-	-
146.	Chandrashekhar Robinson	D.P. Bisen	-	-
147.	Arun Kumar Dewangan	R.N. Baghel	-	-
148.	Nand Kumar Chakradhari	D.K. Sahu/ S.K. Pandey	-	-

149.	Ugendra Kumar Kurrey	Nameeta Brahme	-	-
150.	Vaibhaw Tiwari	A.K. Jaishwal	-	-
151.	Kuldeep Sahu	A.K. Jaishwal	-	-
152.	Sanjay Dubey	A.K. Jaishwal	-	-
<b>SoS in Regional Studies and Research</b>				
153.	Saroj sahu	O.P. Verama	-	-
154.	Geeta Meharchandani	O.P. Verama	-	-
155.	Laxmi Sonekar	O.P. Verama	-	-

**14. Citation index of faculty members and journal impact factor (JIF)**

S. No.	Name of faculty member	Details of each published paper (Authors, Year, Title, Journal, Vol, Page)	Citations received for each paper (during 2010-11)	Mention JIF of each paper
<b>SoS in Anthropology</b>				
1.	M. Mitra	Shukla MK, Venugopal R, Chakrabarty S, Bharti P and Mitra M (2010). A comparative study of physical growth and nutritional status between non-residential residential adolescents school boys of Chhattisgarh, India. <i>The Asian Man (An International Journal)</i> , 4(1): 33-39.	-	-
2.		Chakrabarty S and Mitra M (2010). Forest conservation and tribal health status: An emerging problem in India. Rural and Remote Health. (Letter to Editor). <i>International Online Journal</i> , 1-2. <a href="http://www.rrh.org.au">www.rrh.org.au</a> .	-	-
3.		Mitra M (2010). Impact of industrialization on ecology and human health: A case study of Balco in Korba. In industrialization, eco-friendly industries and climate change, ed. R.N. Pati, Saroop. Book Publishers Pvt. Ltd. New Delhi. 25-33.	-	-
4.		Premi JK, Sarkar S, Pradhan N and Mitra M (2010). Perception and attitude regarding illness and health among the Sawara tribe of Chhattisgarh. <i>Man In India (an International Journal of Anthropology)</i> , 90(3-4): 601-611.	-	-
5.		Dewangan H, Chakrabarty S and Mitra M (2011). A cross sectional study of physical growth among the Abujhmaria primitive tribe children (6-18 years) living in Narayanpur Ashram School of Chhattisgarh, India. <i>Ind. J. Phy. Anthro. &amp; Hum. Gen.</i> , 29(1-2): 85-98.	-	-
6.		Bhalkar A and Mitra M (2011). Decision- making ability related to reproductive health issue among Ganda scheduled cast women of urban slum area of Raipur District, Chhattisgarh. <i>Ind. J. Phy. Anthro &amp; Hum, Gen.</i> 29(1-2): 173-179.	-	-
7.		Dewangan H, Chakrabarty S and Mitra M (2010). A cross-sectional study of physical growth among the Abujhmaria children (6-18 years) living in Ashram school of Chhattisgarh, India. <i>The Asian</i>	-	-

		<i>Man: An International Journal</i> , 4(2): 154-160.		
8.	M. Chakravarty	Sharma S, Kumar S and Chakaravorty M (2010). Biodemographic profile of Hill Korwa women. <i>Global Education Society and Development. An International Journal of Academicians</i> ,1(4): 26-32.	-	-
9.		Baghel S and Cakaravorty M (2010). Socio-economic and demographic profile of Primitive tribal group "Hill Korwa" of Jashpur. <i>Research Zone. Journal of Sciences and Humanities</i> , 2: 49-54.	-	-
10.		Shukla RS and Chakravarty M (2010). Study of traditional medicinal practices among the Raj Gonds of Korba district of Chhattisgarh. <i>Studies on Ethno medicine, Dec. vol. 3</i> (4): 211-216.	-	-
11.		Shukla RS, Chakravarty M and Goutam MP (2010). Documentation of folk knowledge on medicinal plants of South Raipur district, Chhattisgarh. ed. By Agarwal, SC and Pati, RN, Saroop Book Publishers Pvt. Ltd., New Delhi.	-	-
12.	Prof. Arun Kumar	Thakur N and Kumar A (2010). Breast feeding practices among the Ganda women of Raipur slums, <i>Ind. Jour. Maternal &amp; Child Health</i> , 12(3).	-	-
13.	Dr. A. Pradhan	Sirmour R, Pradhan A and Kurrey S (2010). Samajik sanrachna me parivartan ka shahar ki mahilaon par prabhav (Durg shahar ke Vishesh Sandarbh me). <i>Research Journal of Humanities and Social Sciences</i> , 1(2): 71-74.	-	-
14.		Sharma R, Pradhan A and Nigam LS (2010). Adimjati Kamar shekyanik sthiti par arthik sthiti ka prabhav. <i>The CTE Research Journal</i> , 8(2): 115-119.	-	-
15.		Kurrey S and Pradhan, P (2010). Kamar janjati ke vikas ko prabhavit karne wale samajik evam arthik ghatak. <i>Lab to Land</i> , 2(5): 121-125.	-	-
16.		Kurrey S, Pradhan A and Sahu L (2010). Binjhwar janjati me urwarta ki sthiti (Chhattisgarh ke Mahasamund jile ke Vishesh Sandarbh me), <i>Lab to Land</i> , 2(6): 238-243.	-	-
17.		Premi JK, Pradhan A and Mitra M (2010). Perception and attitude regarding illness and health among the Sawara tribe of Chhattisgarh. <i>Man in India</i> , 90(3-4): 601-611.	-	-
18.	Jitendra Kumar Premi	Premi JK, Sarkar S, Pradhan A and Mitra M (2010). Perception and attitude regarding illness and health among the Sawara tribe of Chhattisgarh. <i>Man in India (An International Journal of Anthropology)</i> , 90(3-4): 601-611.	-	-
19.		Premi JK and Verma S (2010). An Anthropological field work observation: Uptill when Baiga will be known as Son of Nature. <i>Lab to Land</i> , 2(6): 423-425.	-	-
20.		Verma S and Premi JK (2010). Kamar special primitive tribes of Chhattisgarh: Why development incomplete (In Hindi). <i>Lab to Land</i> , 2(8): 579-582.	-	-

21.		Deshlahara G and Premi JK (2010). Addictive behavior among the old aged persons of village Sammanpur Chhattisgarh, <i>Journal of Pt. Ravishankar Shukla University, Part-A</i> 8(15): 49-53.	-	-
<b>SoS in Biotechnology</b>				
22.	S.K. Jadhav	Jadhav SK and Lal BM (2011). Biodiversity of <i>Aspergillus</i> and <i>Penicillium</i> from indoor environment of Bhim Rao Ambedkar Hospital, Raipur. <i>Deccan Current Science</i> , 6: 352-363.	-	-
23.		Tiwari KL, Jadhav SK and Tiwari S (2011). Studies of bioethanol production from some carbohydrate sources by gram positive bacteria. <i>Journal of Sustainable Energy and Environment</i> , 2: 141-144.	-	-
24.		Tiwari KL, Jadhav SK and Mahish PK (2010). Effect of xenobiotics on some fungal species. <i>Deccan Current Science</i> , I(3): 151-154.	-	-
25.		Tiwari KL, Jadhav SK and Chandrawanshi NK (2010). Studies of the minimum inhibitory concentration (MIC) of <i>Penicillium</i> species. <i>Deccan Current Science</i> , II(3): 151-154.	-	-
26.		Tiwari KL, Jadhav SK and Tiwari S (2010). The effects of temperature variation in the bioethanol production process. <i>Bioprocessing Journal</i> , 9(1): 18-20.	2	
27.		Tiwari KL, Jadhav SK and Deo S (2010). Exploring fungal diversity from the water of Budha talab (pond) ecosystem of Raipur city, Chhattisgarh. <i>India Flora and Fauna</i> , 16(2): 171-181.	-	-
<b>SoS in Electronics and Photonics</b>				
28.	Sanjay Tiwari	Tiwari S (2011). Electroluminescence response in Polymer light-emitting diodes: <i>International Journal of Electronics</i> , 98(2): 263-270 (8).	-	0.252
29.		Tiwari S (2010). A dual band stacked rectangular micro trip antenna. <i>Indian Journal of Radio &amp; Pace Physics</i> , 39: 163-169.	-	-
30.		Vishwakarma RK and Tiwari S (2010). Experimental study of stacked rectangular microstrip antenna for dual-band. <i>J Engineering</i> , 2(2): 85-90.	-	-
31.		Vishwakarma RK and Tiwari S (2010). Analysis of rectangular notch antenna for dual-band operation. <i>Engineering</i> , 2(2): 91-96.	-	-
32.		Vishwakarma RK and Tiwari S (2011). Aperture coupled microstrip antenna for dual-band. <i>Wireless Engineering and Technology</i> , 2(2): 93-101.	-	-
33.	Kavita Thakur	Kumar B and Thakur K (2010). Performance of JPEG 2000 Image Compression Technique: A Case Study. <i>International Journal of Image Processing and Applications (IJIPA)</i> , 1(1): 33-36.	-	-
34.		Sinha GR, Thakur K and Kowar MK (2010). Modified PCA baed noise reduction of CFA Image. <i>Vision &amp; Quest, Journal of Science</i> ,	-	-

		<i>Technology and Management</i> , 1(2): 60-67.		
35.		Jha V, Thakur K and Sinha GR (2010). Statistical analysis of Radiographic Image Enhancement in spatial domain. <i>Vision and Quest, Journal of Science, Technology and Management</i> , 1(2): 72-77.	-	-
36.		Vyas PK, Thakur K and Zadgaonkar AS (2011). Design of Microcontroller based temperature monitoring system for estimation of efficiency. <i>Vision and Quest, Journal of Science, Technology and Management</i> , 2(1): 13-15.	-	-
<b>SoS in Geography</b>				
37.	Z.T. Khan	Khan ZT (1982). Functional characteristics of the outgrowth of Class I and II Towns of M.P. <i>The Geographer</i> , XXIX (1). Aligarh.	3	-
38.		Khan ZT (1990). Environmental Crisis and Urban Planning. Ashish Publishing House. New Delhi	2	-
39.		Khan ZT (1983). Spatial Analysis of the level of Regional Development in M.P. <i>Modern Trends</i> , ed. P. Pandey, Today and Tomorrow. New Delhi	2	-
40.		Khan ZT (1979). Functional analysis of Class I & II Towns of M.P. <i>Uttar Bharat Bhoogol Patrika</i> , 15 (2).	2	-
41.	A. Baghel	Baghel A (1999). Infant mortality in the Indian Slums: Case studies of Calcutta Meteropolis and Raipur City. <i>International Journal of Population Geography</i> , 5: 353-366.	7	-
<b>SoS in Geology &amp; Water Resource Management</b>				
42.	S.K. Pande	Chelapathi Rao NV, Burgess R, Lehmann B, Pande SK and Hari KR (2010). Mafic Dykes of Deccan age in the Chhattisgarh (Mesoproterozoic) Basin, Central India: Implications for the origin and original spatial extent of the Deccan large igneous Province, online, <a href="http://www.Largeigneousprovince.org/LOM">www.Largeigneousprovince.org/LOM</a> .	-	-
43.	S.K. Pande	Pande SK and Bisen SN (2011). Arsenic contamination in groundwater of Durgapur coal mines area, Chandarpur distt., Maharashtra. <i>Vits in Geol Research, Utkal Univ. Spec. Pub.</i> 10: 8-14.	-	-
<b>SoS in Life Sciences</b>				
44.	A.K. Pati	Chaturvedi CM, Singh SP, Singh VP, Singh P, Basu P, Singaravel M, Shukla RK, Dhawan A, Pati AK and Gangwar RK (2011). 2.45GHz (CW) Microwave irradiation alters circadian organization, spatial memory, DNA structure in the brain cell and blood cell counts of male mice, <i>mus musculus</i> . <i>Progress in Electromagnetics Research B</i> , 29: 23-42.	-	3.745
45.		Pande B and Pati AK (2010). Overestimation/underestimation of time: concept confusion hoodwink conclusion. <i>Biol. Rhythm Res.</i> 41: 379-390.	-	-
46.		Parganiha A, Soni RK and Pati AK (2010). Covert weakening of circadian rganization in a cohort of rotational shift workers. <i>Journal of Ravishankar University</i> , 21-23(1): 50-56.	-	-

47.	Vijya Koche	Verma N, Koche V, Tiwari KL and Mishra SK (2010). Random amplified polymorphic DNA analysis detects variation in a micropropagated clone of <i>Trichoderma</i> Sp. <i>International African Journal of Biotechnology</i> , 9(28): 4322-4325.	-	-
48.	R.K. Pradhan	Ray A and Pradhan RK (2011). Poultry farming: An overview. <i>Research Journal of Science and Technology (RJST)</i> , 3(3): 129-136.	-	-
49.		Pradhan RK and Ray A (2011). Effect of light/dark cycle on amino acid and protein in the muscle of chicken. <i>Research Journal of Science and Technology</i> , 3(6): 324-328.	-	-
50.		Nag C and Pradhan RK (2011). Sleep deprivation and level of C-reactive protein. <i>Biological Rhythm Research</i> , 42(3): 209-218.	-	0.73
51.		Nag C and Pradhan RK (2012). Impact of television on sleep habits. <i>Biological Rhythm Research</i> , 43(4): 423-430.	-	0.73
52.		Pradhan RK, Mishra R and Nag C (2011). Actigraphic study of sleep behaviour in sickling patients. <i>Indian Journal of Sleep Medicine</i> , 6(2): 61-67.	-	-
53.		Pradhan RK, Ray A and Nag C (2011). Excessive daytime sleepiness (EDS) and concentration of alkaline phosphates in human saliva. <i>Biochemical and Cellular Archives</i> , 11(2): 317-321.	-	-
54.		Nag C and Pradhan RK (2011). Impact of life style on circadian orientation and sleep behaviour. <i>Sleep and Biological Rhythm</i> . In press.	-	-
55.	A.K. Gupta	Dixit V, Gupta AK, Bisen PS and Prasad GBSK (2010). Interruption of annual single dose DEC regimen administration fails to affect transmission intensity even in a situation of filarial low endemicity. <i>Int. Med. Journal.</i> , 17(2): 117-121.	-	-
56.	Amia Ekka	Ekka M (2011). A historical overview of ethnobotanical literature of chhattisgarh [India]: A graphic review and future directions. <i>Research J. Science and Tech.</i> 3(4): 220-224.	-	-
57.		Ekka M (2011). Medical plants used by local inhabitants in Jashpur District, Chhattisgarh, India. <i>Proceedings of Climate change and its effect on biodiversity</i> , 32-36.	-	-
58.	K.K. Sahu	Krishna Chaitanya KS, Keshavkant S and Naithani SC (2000). Changes in total protein and protease in dehydrating recalcitrant sal ( <i>Shorea robusta</i> ) seeds. <i>Silva Fennica</i> , 34(1):71-77.	6	1.19
59.		Keshavkant S, Pradhan J, Parkhey S and Naithani SC (2011). Physiological and antioxidant responses of germinating <i>Cicer arietinum</i> seeds to salt stress. <i>Russian Journal of Plant Physiological</i> . In press.	-	0.558
60.	A. (Niyogi) Poddar	Chandra P, Sao R, Gautam SK and Niyogi Poddar A (2010). Initial population density and its effect on the pathogenic potential and population growth of the root knot nematode <i>Meloidogyne incognita</i> in four species of Cucurbits. <i>Asian Journal of</i>	-	-

		<i>Plant Pathology (Academic Journals Inc. USA)</i> , 4(1): 1-15.		
61.		Bakde C and Poddar AN (2011). Effect of steel plant effluent on acid and alkaline phosphatases of gills, liver and gonads of <i>Cyprinus carpio</i> Linn. (1758). <i>International Journal of Environmental Sciences</i> , 1(6): 1305-1316.	-	-
62.	Arti Parganiha	Parganiha A, Soni RK and Pati AK (2010). Covert weakening of circadian rganization in a cohort of rotational shift workers. <i>Journal of Ravishankar University</i> , 21-23(1): 50-56.	-	-
<b>SoS in Mathematics</b>				
63.	H.K. Pathak	Pathak HK and Hussain N (2010). Common fixed points for P-operator pair with applications. <i>Appl. Math. Comput.</i> , 217(7): 3137-3143.	-	-
64.		Pathak HK and Tiwari S (2010). Common fixed point and best simultaneous approximations for Ciric type (f,g)-weak contraction and weak asymptotic contraction. <i>Int. J. Pure Appl.Math.</i> , 62(3): 291-304.	-	-
65.		Pathak HK and Tiwari S (2010). Best simultaneous approximation via KKM-mapping method for multivalued mappings. <i>Int. J. Pure Appl. Math.</i> , 59(2): 181-190.	-	-
66.		Pathak HK, Khan MS and Jong KK (2010). Coincidence point and homotopy results for f-hybrid compatible maps. <i>Nonlinear Functional Analysis and Applications</i> , 15(1): 87-162.	-	-
67.		Singh SL, Pathak HK and Mishra SN (2010). On a Suzuki type general fixed point teorem with applications. <i>Fixed Point Theory Appl.</i> Art ID, 234717:15.	-	-
68.		Pathak HK and Shanghi M (2010). Key exchange scheme with higher security and its analysis. <i>African Journal of Mathematics and Computer Science Research</i> , 3(12): 290-296.	-	-
69.		Pathak HK and Shanghi, M (2010). Speeding up computation of scalar multiplication in elliptic curve cryptosystem. <i>International Journal of Computer Science and Engineering</i> , 2(4):1024-1028.	-	-
70.		Pathak HK and Shanghi, M (2010). Public key cryptosystem and key exchange protocol using tools of non-abelian group. <i>International Journal of Computer Science and Engineering</i> , 2(4):1029-1033.	-	-
71.		Pathak HK and Tiwari, R (2011). A gregus type common fixed point theorem in normed spaces with application. <i>Banach J. Math. Anal.</i> 5(1):136-157.	-	-
72.	B.K. Sharma	Gurudwan N and Sharma BK (2011). Convergence theorem for the common solution for a finite family of phi-strongly accretive operator equations. <i>Applied Mathematics and Computation (AMC)</i> , 217(15): 6748-6754.	-	1.534

73.		Gurudwan N and Sharma BK (2010). Iterative solution of an uniformly continuous accretive operator equation. <i>Nonlinear Functional Analysis and its Applications</i> , 15(3): 459-466.	-	-
74.		Gurudwan N and Sharma BK (2010). Approximating solutions for the system of phi-strongly accretive operator equation in Reflexive Banach space. <i>Bulletin of Mathematical Analysis and Applications</i> , 2(3): 32-39.	-	-
75.		Verma S and Sharma BK (2011). A new digital signature scheme based on two hard problems. <i>Int. J. Pure Appl. Sci. Technol.</i> , 5(2).	-	-
76.		Sahu H and Sharma BK (2010). An MSS based on the Elliptic Curve Cryptosystem. <i>International Journal of Network Security</i> , 11(2): 118-120.	-	-
<b>Institute of Pharmacy</b>				
77.	Prof. S. Saraf	Ajazuddin and Saraf S (2010). Applications of novel drug delivery system for herbal formulations. <i>Fitoterapia</i> , 81: 680-689.	-	-
78.		Ajazuddin and Saraf S (2010). Evaluation of physiochemical and phytochemical properties of Safoof-E-Sana, a Unani polyherbal formulation. <i>Pharmacognosy Research</i> , 2(5): 318-322.	-	-
79.		R.K. Pandey, Saraf S and Saraf S (2010). Development of fingerprint for single component analysis of an ayurvedic formulation (Sitopaladi Churna) by High performance Liquid Chromatography. <i>Der Pharmacia Lettre</i> , 2(2): 464-470.	-	-
80.		Singh D, Singh M, Saraf S, Dixit VK and Saraf S (2010). Optimization and characterization of Gentamicin loaded Chitosan Microspheres for effective wound healing. <i>Indian J. Pharm. Educ. Res.</i> , 44(2): 171-182.	-	-
81.		Singh D, Singh M, Saraf S, Dixit VK and Saraf S (2010). Formulation optimization of Metronidazole Loaded Chitosan Microspheres for wound management by 3- Factor, 3-Level Box-Behnken Design. <i>Micro and Nanosystems</i> .	-	-
82.		Shukla SS, Saraf S and Saraf S (2010). TLC densitometric fingerprint development and validation of Berberine as markers in poly-herbal Unani formulations. <i>Der Pharma Chemica</i> , 2(3): 8-18.	-	-
83.	Dr. (Mrs.) Swarnlata Saraf	Vyas A, Saraf S and Saraf S (2010). Encapsulation of cyclodextrin complexed simvastatin in chitosan nanocarriers: a novel technique for oral delivery. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 66(3-4): 251-259.	-	1.43
84.		Kapoor S and Saraf S (2010). Assessment of viscoelasticity and hydration effect of herbal moisturizers using bioengineering techniques. <i>Pharmacog. Mag.</i> , 6(24): 298-304.	-	0.432
85.		Sahu S and Saraf S (2010). Bioengineering techniques for the efficacy studies of herbal cosmetics. <i>Research Journal of Tropical and</i>	-	-

		<i>Cosmetic Science</i> , 1(1): 1-12.		
86.		Saraf S, Sahu S, Kaur CD and Saraf S. (2010). Comparative measurement of hydration effects of herbal moisturizers. <i>Pharmacog. Research</i> , 2(3): 146-151.	-	-
87.		Pandey RK, Saraf S and Saraf S (2010). Development of fingerprint for single component analysis of an ayurvedic formulation (Sitopaladi Churna) by High Performance Liquid Chromatography. <i>Der Pharmacia Lettre</i> , 2(2): 464-470.	-	-
88.		Kapoor S and Saraf S (2010). Formulation and evaluation of moisturizer containing herbal extracts for the management of dry skin. <i>Pharmacognosy Journal</i> , 2(11): 409-418.	-	-
89.		Singh D, Singh M, Saraf S, Dixit VK and Saraf S (2010). Formulation optimization of Metronidazole loaded Chitosan Microspheres for wound management by 3- Factor, 3-Level Box-Behnken Design. <i>Micro and Nanosystems</i> , 2:2.	-	-
90.		Kaur CD and Saraf S (2010). <i>In vitro</i> SPF determination of herbal oils used in cosmetics. <i>Pharmacog. Research</i> , 2(1): 22-25.	-	-
91.		Singh D, Singh M, Saraf S, Dixit VK and Saraf S (2010). Optimization and characterization of Gentamicin loaded Chitosan Microspheres for effective wound healing. <i>Indian J. Pharm. Educ. Res.</i> , 44(2): 171-182.	-	0.163
92.		Saraf S and Kaur CD (2010). Phytoconstituents as photoprotective novel cosmetic formulations. <i>Pharmacognosy Review</i> , 4(7): 1-11.	-	-
93.		Shukla SS, Saraf S and Saraf S (2010). TLC densitometric fingerprint development and validation of Berberine as markers in poly-herbal Unani formulations. <i>Der Pharma Chemica</i> , 2(3): 8-18.	-	-
94.		Jain S and Saraf S (2010). Type 2 diabetes mellitus- Its global prevalence and therapeutic strategies. <i>Diab Met Syndr: Clin Res Rev</i> , 4(1): 48-56.	-	-
95.	Dr. Mrs. Preeti K. Suresh	Das S, Suresh PK and Deshmukh R (2010). Design of Eudragit RL 100 nanoparticles by nanoprecipitation method for ocular drug delivery. <i>Nanomedicine: Nanotechnology, Biology and Nanomedicine</i> , 6(2): 318-323.	15	5.44
96.		Das S and Suresh PK (2010). Drug delivery to eye: Special reference to nanoparticles. <i>International Journal of Drug Delivery</i> , 2: 12-21.	-	-
97.		Das S and Suresh PK (2010). Formulation and <i>in vitro</i> evaluation of Amphotericin-B nanoparticle for ocular delivery. <i>Journal of Pharmacy and Pharmacology</i> , 62(10): 1271-1272.	-	1.918
98.		Suresh PK and Sharma S (2010). Formulation, <i>in vitro</i> characterization and stability studies of self microemulsifying drug delivery systems of domperidone. <i>International Journal of Innovative</i>	-	-

		<i>Pharmaceutical Research</i> , 1(4): 66-73.		
99.		Prasad S and Suresh PK (2011). Mucoadhesive submicron emulsion: A novel approach for periodontal diseases. <i>International Journal of current Pharmaceutical Research</i> , 3(2): 80-90.	-	-
100.		Das S and Suresh PK (2011). Nanosuspension: A new vehicle for the improvement of the delivery of drugs to the ocular surface. Application to Amphotericin-B. <i>Nanomedicine: Nanotechnology, Biology and Medicine</i> , 7(2), 242-247.	-	4.882
101.	Dr. (Mrs.) Manju Singh	Singh M, Singh D, Saraf S and Saraf S (2011). Formulation optimization of controlled delivery system for antihypertensive peptide using response surface methodology. <i>American Journal of Drug Discovery and Development</i> , 1(3): 174-187.	-	-
102.		Jain V, Vyas A, Singh D, Singh M, Shukla SS, Pandey R, Saraf S and Saraf S (2011). TLC densitometric method for the estimation of piperine in Ayurvedic formulation Trikatu Churna. <i>Oriental Journal of Chemistry</i> , 27(1): 301-304.	-	-
103.		Singh D, Singh M, Saraf S, Dixit VK and Saraf S (2010). Optimization and characterization of Gentamicin loaded Chitosan Microspheres for effective wound healing. <i>Indian J. Pharm. Educ. Res.</i> , 44(2): 171-182.	-	-
104.		Singh D, Singh M, Saraf S, Dixit VK and Saraf S (2010). Formulation optimization of Metronidazole loaded Chitosan Microspheres for wound management by 3- Factor, 3-Level Box-Behnken Design. <i>Micro and Nanosystems</i> , 2(2):70-77.	-	-
105.		Singh D, Singh M, VK Dixit, Saraf S and Saraf S (2010). Effect of formulation variables on preparation of GM loaded PLGA microspheres. <i>Indian Drugs</i> , 47(12): 35-44.	-	-
106.		Jain V, Vyas A, Singh D, Singh M, Shukla SS, Pandey R, Saraf Sand Saraf S (2011). TLC densitometric method for the estimation of piperine in Ayurvedic formulation Trikatu Churna. <i>Oriental Journal of Chemistry</i> , 27(1): 301-304.	-	-
107.	Dr. Amber Vyas	Jain V, Vyas A, Singh D, Singh M, Shukla SS, Pandey R, Saraf Sand Saraf S (2011). TLC densitometric method for the estimation of piperine in Ayurvedic formulation Trikatu Churna. <i>Oriental Journal of Chemistry</i> , 27(1): 301-304.	-	-
108.		Vyas A, Shukla SS, Patel R, Pandey R, Jain V, Singh D and Nagori BP (2011). Development and validation of Spectrophotometric method for estimation of Cephalexin in bulk and tablet dosage forms. <i>Oriental Journal of Chemistry</i> , 27(1): 359-362.	-	-
109.		Vyas A, Bhargava S, Bhargava P, Shukla SS, Pandey R and Jain V (2011). Evaluation of antipyretic potential of <i>Aegle marmelos</i> (L.) Correa leaves. <i>Oriental Journal of Chemistry</i> , 27 (1).	-	-

110.		Jain V, Vyas A, Saraf S and Saraf S (2010). TLC densitometric methods for quantification of gallic acid in Triphala churna for routine quality control. <i>Research J. of Pharm. and Tech.</i> , 3(4): 230-233.	-	-
111.		Jain V, Vyas A, Saraf S and Saraf S (2010). HPLC determination of piperine in 'Trikatu Churna' a potent Ayurvedic formulation for routine quality control. <i>Asian J. Research Chem.</i> , 3(4): 183-186.	-	-
112.	Dr. Deependra Singh	Singh M, Singh D, Saraf S and Saraf S (2011). Formulation optimization of controlled delivery system for antihypertensive peptide using response surface methodology. <i>American Journal of Drug Discovery and Development</i> , 1 (3): 174-187.	-	-
113.		Jain V, Vyas A, Singh D, Singh M, Shukla SS, Pandey R, Saraf Sand Saraf S (2011). TLC densitometric method for the estimation of piperine in Ayurvedic formulation Trikatu Churna. <i>Oriental Journal of Chemistry</i> , 27(1): 301-304.	-	-
114.		Singh D, Singh M, Saraf S, Dixit VK and Saraf S (2010). Optimization and characterization of Gentamicin loaded Chitosan Microspheres for effective wound healing. <i>Indian J. Pharm. Educ. Res.</i> , 44(2): 171-182.	-	0.147
115.		Singh D, Singh M, Saraf S, Dixit VK and Saraf S (2010). Formulation optimization of Metronidazole loaded Chitosan Microspheres for wound management by 3- Factor, 3-Level Box-Behnken Design. <i>Micro and Nanosystems</i> , 2:2.	-	-
116.	Dr. Deependra Singh	Singh D, Singh M, Dixit VK, Saraf S and Saraf S (2010). Effect of formulation variables on preparation of GM loaded PLGA microspheres. <i>Indian Drugs</i> , 47(12): 35-44.	-	-
117.		Jain V, Vyas A, Singh D, Singh M, Shukla SS, Pandey R, Saraf Sand Saraf S (2011). TLC densitometric method for the estimation of piperine in Ayurvedic formulation Trikatu Churna. <i>Oriental Journal of Chemistry</i> , 27(1): 301-304.	-	-
118.		Vyas A, Shukla SS, Patel R, Pandey R, Jain V, Singh D and Nagori BP (2011). Development and validation of Spectrophotometric method for estimation of Cephalexin in bulk and tablet dosage forms. <i>Oriental Journal of Chemistry</i> , 27(1): 359-362.	-	-
119.	Dr. Vishal Jain	Jain V, Vyas A, Singh D, Singh M, Shukla SS, Pandey R, Saraf S and Saraf S (2011). TLC densitometric method for the estimation of piperine in Ayurvedic formulation Trikatu Churna. <i>Oriental Journal of Chemistry</i> , 27(1): 301-304.	-	-
120.		Vyas A, Shukla SS, Patel R, Pandey R, Jain V, Singh D and Nagori BP (2011). Development and validation of Spectrophotometric method for estimation of Cephalexin in bulk and tablet dosage forms. <i>Oriental Journal of Chemistry</i> , 27(1): 359-362.	-	-
121.		Jain V, Vyas A, Singh D, Singh M, Shukla SS, Pandey R, Saraf Sand Saraf S (2011). TLC	-	-

		densitometric method for the estimation of piperine in Ayurvedic formulation Trikatu Churna. <i>Oriental Journal of Chemistry</i> , 27(1): 301-304.		
122.		Jain V, Vyas A, Saraf S and Saraf S (2010). HPLC determination of piperine in 'Trikatu Churna' a potent Ayurvedic formulation for routine quality control. <i>Asian J. Research Chem.</i> , 3(4): 183-186.	-	-
123.	Dr. S. J. Daharwal	Daharwal SJ, Jangde R and Singhour R (2010). Compatibility studies between Gatifloxacin and pharmaceutical excipients through differential scanning Calorimetry and Infra Red Spectroscopy. <i>Research J. Pharma. Dosage Forms and Tech.</i> , 2(1): 103-106.	-	-
124.		Daharwal SJ, Dubey RD, Paroha S, Wani VK, Pandey AK, Sahu PK and Verma S (2010). <i>In vitro</i> comparative studies of Anthelmintic activity of <i>Allium sativum</i> and <i>Ficus religiosa</i> . <i>Research Journal of Science and Technology</i> , 2(4): 84-86.	-	-
125.		Daharwal SJ, Madhukar V, Biswas DK and Verma A (2010). Selection of percentage of polymer for development of Floating Matrix Tablet of Metoclopramide Hydrochloride. <i>Research J. Pharma. Dosage Forms and Tech.</i> , 2(5): 229-234.	-	-
<b>Institute of Teachers Education</b>				
126.	Soumya Sharma	International journal Land to Lab	-	-
127.	Dr. Abdul Sattar	International journal Land to Lab	-	-
128.	Dr. Shikha Benjee	International journal Land to Lab	-	-

**15. Honors/Awards to the faculty: National and International**

S. No.	Name	Honors	Awards	National/ International
<b>SoS in Electronics and Photonics</b>				
1.	Sanjay Tiwari	US Fulbright Nehru Senior Research Fellowship		International
2.		National UGC Research Award	National UGC Research Award	National
3.		Appointed Member UGC Expert Committee to evaluate Major Research Projects in subject Material Science/Electronics at UGC Head Office New Delhi and Minor Research Project at Central Regional Office Bhopal. UGC Joint Secretary Dr. K.C. Pathak, D.O. F-1-1/2011 (Policy-SR) 24/02/2011.	-	National
4.		Appointed subject expert by UGC for assessment of MRP in Engg. & Technology. Letter D.O. No. F-1-1/2011 (Policy-SR) dt. 24/02/2011.	-	National
5.		Appointed subject expert by UGC	-	National

		New Delhi for assessing proposals of Delhi University affiliated colleges for Seminar /Conferences/ Workshops.		
6.		Appointed expert member of committee constituted by Chairman UGC to evaluate the proposal for financial support from UGC for development of Rajiv Gandhi South Campus, Banaras Hindu University during remaining period of XI <sup>th</sup> Plan (Letter Joint Secretary UGC D.O. No.F.2-9/2008 (CU) 23 <sup>rd</sup> November, 2010)	-	National
7.		Invited for Talk at National Workshop on Computational Methods at Department of Physics, University of Delhi	-	National
8.		Appointed Expert to Review Performance of College & University teacher participants at Orientation Course ASC RSU Raipur during 23 <sup>rd</sup> – 24 <sup>th</sup> July, 2010.	-	National
9.		Appointed Area Editor of Science India Popular National Science Magazine	-	National
10.		Resource Person at Orientation Course ASC RSU Raipur on 13 <sup>th</sup> July 2010	-	National
11.		Visiting faculty in Dept of Computer Science, Dr. H.S. Gaur University, Sagar	-	National
12.	Kavita Thakur	Rashtriya Gaurav Award for year 2010-2011 from IIFS (India International Friendship Society), New Delhi	-	National
13.		“Best Citizen of India Award” for year 2011 from International Publishing House, New Delhi, India	-	National
14.		Our Research Group has received ‘R.S. Tomar Memorial Best Paper Award’ for the year 2010, presented in UGC sponsored National Conference on Managing Interpersonal Communication in Global World, during October 22-24, 2010, Organized by SoS in Psychology with Psycho-Linguistic Association (PLAI) at SoS in Psychology, PRSU, Raipur, India	-	International
<b>SoS in Life Sciences</b>				
15.	AK Pati	Coordinator, UGC DRS-SAP Phase-II, sanctioned to School of Life Sciences, Pt. Ravishankar Shukla University, Raipur, 2010- Present	-	National

16.		Member, Academic Planning and Evaluation Board, Pt. Ravishankar Shukla University, January 2010-Present	-	National
17.		Dean, Faculty of Life Science, Pt. Ravishankar Shukla University, January 2010- Present	-	National
18.		Member, Executive Council, Pt. Ravishankar Shukla University, January 2010-Present	-	National
19.		Coordinator, INSPIRE Internship Program, PRSU, Raipur, 2010	-	National
20.		Member, IQAC Coordination Committee, NAAC peer team visit, September 2010	-	National
21.		Member, International Project on the BIOSphere and the COSmos (BIOCOS) April 2005- Present	-	International
22.		International Association for Research on Time in Biology and Chronotherapy (ARTBC International), Paris, France, Since 2007	-	International
23.		Member Vision Committee, Pt. Ravishankar Shukla University, Raipur, 2011- Present	-	National
24.		Proctor, Pt. Ravishankar Shukla University, Raipur, July 2009-August 2010	-	National
25.		Editor-in-Chief, Journal of Ravishankar University, Part B (Science) from 2009-Present	-	National
26.		Chairman, Departmental Research Committee, School of Life Sciences, PRSU, Raipur, 2010-Present	-	National
27.		President, Indian Society for Chronobiology, 2008-present	-	National
28.	Arti Parganiha	Member, BoS in Microbiology, PRSU, 2008-2011	-	National
29.		Editor, Newsletter, Indian Society for Chronobiology	-	National
30.		Member, International Project on the BIOSphere and the COSmos (BIOCOS), April 2005-present	-	International
31.		Member, International Association for Research on Time in Biology and Chronotherapy (ARTBC International), Paris, France, Since 2007- present	-	International
32.		Referee, Journal – Advances in Applied Research, Coimbatore, February 2010- Present	-	National
33.		Editor, Journal of Ravishankar University, Part B (Science) from September 2010- Present	-	National

<b>Institute of Pharmacy</b>				
34.	Dr. Amber Vyas	-	Young Scientist Award in Pharmaceutical Sciences.	National (CCOST)
<b>SoS in Physics and Astrophysics</b>				
35.	Prof. S.K. Pandey	1. Vice President, Astronomical Society of India	-	-
36.		2. Time allocation committee of IUCCA, Telescope	-	-
37.	Prof. R.C. Agrawal	1. Vice President, India Soc. for solid state Ionics	-	-

### 16. Internal resources generated

S. No.	Head of Resource	Amount (Rs.)
<b>SoS in Comparative Religion and Philosophy</b>		
1.	Admission fee	80720.00
<b>SoS in Geology &amp; Water Resource Management</b>		
2.	Consultancy	12000.00

### 17. Details of departments getting assistance/recognition under SAP, COSIST (ASSIST)/DST, FIST, and other programs

School of Studies	Funding Agency
Anthropology	UGC-DRS-SAP Phase I
Life Sciences	UGC-DRS-SAP Phase II
Mathematics	DST-FIST
Institute of Pharmacy	DST-FIST
Physics and Astrophysics	DST-FIST

**SoS in Mathematics:** Department getting assistance under DST-FIST (from December 2010)

**Institute of Pharmacy:** DST-FIST, Year started: 2010, Budgeted Project Cost: 50 Lac, Current Status: in progress, Title: It involves four principle areas namely (i) Phytochemical screening of medicinal plants of Chhattisgarh, (ii) Cyclodextrin complexation and novel systems, (iii) Herbal cosmetics, (iv) Protein and peptide delivery systems

**SoS in Physics and Astrophysics:** DST-FIST (on completion), applied for SAP

### 18. Community services

**SoS in Anthropology:** Compulsory fieldwork was organized in Amarkantak area covering Cultural and Biological aspects of Gond, Panika and Baiga tribe

**SoS in Electronics and Photonics:** Science popularization lectures delivered in workshops at various schools and colleges of the region and radio talks & TV interviews given. One of the faculty members actively engaged in National Organizations like Swadeshi Science Movement in promotion of Science and bringing science to the people and promoting grass root innovations to solve the burning problems of India and have delivered invited extension lectures on AIR, and in colleges/universities on these aspects.

**SoS in Mathematics:**

- Assisted in developing the infrastructure of Computer room and Moot court of SoS in Law.

ii. Faculty have inspected affiliated colleges and also participated in selection process of the faculty.

**Institute of Pharmacy:** Celebrated Pharmacy week to educate the public regarding various aspects of rational drug use.

**SoS in Physical Education:** Conducted Sports Tournaments for different organization like Forest Department, LIC, Central School etc.

**SoS in Physics and Astrophysics:** Science popularization lectures workshop was organized at various schools/colleges of the region and awareness was increase through radio talks, & TV interviews. Sky-gazing program was conducted using the Telescope of Physics Department.

**Institute of Teachers Education:** Community Work (Survey) was carried out.

**IUCAA Resource Center (IRC), SoS in Physics & Astrophysics:** Science popularization lectures/workshop was delivered/ conducted.

**Public Outreach Center:** Science popularization lectures/workshop was delivered/ conducted.

### 19. Teachers and officers newly recruited

School of Studies	Teachers	Others
Anthropology	03	-
Geography	03	-
Institute of Teachers Education	04	-

S. No.	Name	Designation	Date of appointment
<b>SoS in Anthropology</b>			
1.	Shiv Kumar Patel	Contract Lecturer	30.07.2010
2.	Shyama Charan	Contract Lecturer	30.07.2010
3.	Pragya Gajendra	Contract Lecturer	30.07.2010
<b>SoS in Geography</b>			
4.	Shri Seven Kumar Bharti	Contract Lecturer	27.07.2010
5.	Dr. Shalini Verma	Contract Lecturer	28.07.2010
6.	Miss Minakshi Tamrakar	Contract Lecturer	18.08.2010
<b>Institute of Teachers Education</b>			
7.	Riya Tiwari	Contract Lecturer	July 2010
8.	Manju Sen	Contract Lecturer	July 2010
9.	Biji Bahadur	Contract Lecturer	July 2010
10.	Balram Jhariya	Contract Lecturer	July 2010

### 20. Teaching – Non-teaching staff ratio (Give numbers and ratio)

S. No.	School of Studies	Teaching staff	Non-Teaching staff	Ratio
1.	Anthropology	5	6	5:6
2.	Biotechnology	3	2	3:2
3.	Comparative Religion and Philosophy	3	2	3:2
4.	Computer Science & IT	7	4	7:4
5.	Electronics and Photonics	2	4	2:4
6.	Geography	8	8	1:1
7.	Geology & Water Resource Management	4	5	1:1.25
8.	History	5	6	5:6
9.	Life Sciences	13	11	1.18:1
10.	Literature and Languages	4	0	4:0

11.	Institute of Management	5	4	5:4
12.	Institute of Pharmacy	8	15	1:1.85
13.	Physical Education	3	3	1:1
14.	Physics and Astrophysics	8	12	2:3
15.	Psychology	6	7	6:7
16.	Regional Studies and Research	1	2	1:2
17.	Sociology	5	4	5:4
18.	Institute of Teachers Education	8	3	8:3
19.	Women's Hostel	0	9	0:9

## 21. Improvements in the library services

All SoS are linked with university central library through Intranet. INFLIBNET and OPAC facilities are also available in the campus. A large number of new books purchased/introduced time to time in the library. E-database and e-learning sources are available in library. Central library updated with new subscription of scientific journals, periodicals. Students are assigned library periods to ensure maximum utilization of literary resources.

## 22. New books/ journals subscribed and their value (from Library)

Purchased by Central Library; Central library updated with new subscription of scientific journals (INFLIBNET)

## 23. Courses in which student assessment of teachers is introduced and the action taken on student feedback

Student feedback was taken from students of PG and UG (such as Pharmacy, Physical education and Teachers Education, P.G. Diploma in Regional Planning and Development) and M. Phil. Based on feedback the remedial measures were implemented, such as According to feedback comments the teaching performance were enhanced and tried to make the teaching interactive, syllabus is revised, the necessary changes are incorporated as and when it is necessary, the tutorial classes for all the theory papers of the semester have been included in the time-table to make the lesson comprehensive to students, and more time allotted for practical/experimental work.

## 24. Feedback from stakeholders

S. No.	Stake holder	Yes/No	Remark
1.	Student	Yes	Anthropology, Biotechnology, Comparative Religion and Philosophy, Electronics and Photonics, Geography, Geology & Water Resource Management, History, Life Sciences, Management, Mathematics, Pharmacy, Physical Education (satisfied), Physics and Astrophysics, Psychology, Regional Studies and Research, Sociology, Teachers Education, Women's Hostel
2.	Parents	No/Yes <sup>^#</sup>	<sup>^</sup> Management, <sup>#</sup> Pharmacy
3.	Teachers	No/Yes <sup>^# \$</sup>	<sup>^</sup> Management (Staff Council Meeting), <sup>#</sup> Pharmacy, <sup>\$</sup> Physical Education (facilities)
4.	Non-teaching employee	No/Yes <sup>^#</sup>	<sup>^</sup> Management (Staff Meeting), <sup>#</sup> Pharmacy
5.	Alumni	No/Yes <sup>^# @</sup>	<sup>^</sup> Management, <sup>*</sup> Life Sciences, <sup>#</sup> Pharmacy, <sup>@</sup> Teachers Education
6.	Peers	No/Yes <sup>^</sup>	<sup>^</sup> Management
7.	Retired teachers	No/Yes <sup>^</sup>	<sup>^</sup> Management
8.	Employers	No	

**25. Unit cost of education: 40423.91 [85537000\*/2116\*\*]**

**Unit Cost = Actual Expenditure\*/ Number of students enrolled\*\***

\*Excluding staff salary; \*\*Including M.Phil. and Ph.D. students

**26. Computerization of administration and the process of admissions and examination results, issue of certificates**

The computerized admission process facility is available and centrally organized. The admissions in various departments are done by e-allotment directed by the state DTE, Raipur. Central Computer Center is working efficiently for processing of results, preparation of mark sheets, etc. for UG and PG courses. Library is almost fully automated now. The issue of books, etc. is done through bar coding system. It is continuously in the state of improvement.

**27. Increase in the infrastructural facilities**

**SoS in Anthropology:** Updated Forensic and Genomic Lab.

**SoS in Electronics and Photonics:**

Following equipments procured				
S. No.	Equipment	Year	Firm	Amount (Rs.)
1.	Wavelength Division Multiplexer Characterization Set up	2010	Fiber Optika Technologies Pvt. Ltd. Bangalore	319047
2.	Erbium Doped Fiber Amplifier Characterization Setup	2010	Fiber Optika Technologies Pvt. Ltd. Bangalore	323810
3.	Setup for Measurement of Attenuation & Dispersion in Optical Fiber	2010	Fiber Optika Technologies Pvt. Ltd. Bangalore	214286
4.	Keithley Source Meter	2010	Khandela Electronika Indore	373218
5.	Spray Pyrolysis Apparatus	2010	Holmarc Optomechatronics Pvt. Ltd. Kochi	247500
6.	Ellipsometer	2010	Holmarc Optomechatronics Pvt. Ltd. Kochi	247500

**SoS in Geography:** Wi-Fi facility.

**SoS in Geology & Water Resource Management:** Air conditioned Petrology Lab equipped with Polarizing Microscope Jenapol Model Axioskope-40.

**Institute of Management:** Permission granted from University for cycle stand & file marked to Engineering section.

**SoS in Mathematics:** Increased the potential of computer lab by additional terminals and printing adds.

**Institute of Pharmacy:** Planning for extension of existing building. Total 25000 sq.ft. construction at first floor.

**SoS in Physical Education:** Extension of building is under construction, new equipments and research instruments being added in Exercises of Physiology Lab, Sport Psychology Lab and Sports Medicine Lab.

**SoS in Physics and Astrophysics:** Equipments such as Air Conditioner, LCD Projector, Centrifuged machine, Digital Multimeter, Magnetic stirrer were procured.

**SoS in Regional Studies and Research:** LCD Screen

## **28. Technology up-gradation**

**SoS in Anthropology:** Computer with Internet Facility.

**SoS in Geography:** 23 Computers, Server with 15 Computers on LAN, RS and GIS software's – Geomatica, 21<sup>st</sup> Century, GPS

**SoS in History:** Computers with internet Facility

**SoS in Life Sciences:** All class room equipped with LCD.

**SoS in Management:** AMC for Xerox machine, Antivirus for all computers.

**SoS in Mathematics:** Material upgraded for digital mathematics writing and oral presentation.

**Institute of Pharmacy:**

- i. All the departments are connected with centralized internet facilities, provided with the facility of INFLIBNET (for accessing free journals worldwide) through WLAN and Wi-Fi.
- ii. All the pharmacological experiments are being carried out with the help of software like Epi-Heart.

**SoS in Physical Education:** V-Sat connections with all P-4 computers with latest audio-visual techniques are used in the class room.

**SoS in Physics and Astrophysics:** Two class rooms have been upgraded with audio-visual/air conditioned facilities

## **29. Computer and internet access and training to teachers, non-teaching staff and students**

All Schools of Studies, the university administration, and central library have computers and internet facilities for the faculty, research scholars and students. Training provided to the students (UG, PG and M. Phil.) as per syllabus. Internet access extended to each faculty chamber. The University has organized programmes several times in every year to train the teachers, employees and students to make them familiar with the use of computers. Many departments have separate computer lab. with internet connectivity is available for students. Faculty members and scholars have free access to internet and downloading of e-journals in their respective departments. In Geography department the computers are also used for Remote Sensing & GIS in Practical.

## **30. Financial aid to students (from Finance Section/ DSW Office)**

1. Students are given financial assistance for attending International Conferences by University.
2. University Scholarship to Ph. D. and M. Phil. students.
3. BPL Scholarship
4. Rajiv Gandhi Fellowship, RGNF (ST and SC categories) and Maulana Azad National, MNF (minority category) Fellowships for M.Phil. and Ph.D. students by the UGC.
5. Eligible UG students of SC/ST/OBC availing state fellowship.
6. GPAT qualified PG students get AICTE fellowship in Pharmacy.
7. Post Metric Scholarship is provided by State Government to the students belonging to SC, ST and OBC categories.
8. ST/SC/OBC students are provided financial assistance from State Govt.
9. Research scholars avail JRF/ SRF from various state and national funding agencies.

## **31. Activities and support from the Alumni Association**

**SoS in Anthropology:** Inaugural Function of Alumni Association held and the registration process going on.

**SoS in Electronics and Photonics:** Alumni meetings are occasionally held along with Annual Reunion.

**SoS in History:** Inaugural Function of Alumni Association held and the registration process going on.

**Institute of Management:** A lunch was by sponsored lunch by Ravindra Baghel during Alumni Association.

**SoS in Mathematics:** A meeting of association held and Alumni list was updated

**Institute of Pharmacy:** Annual function is celebrated every year along with the Alumini meet.

**SoS in Physical Education:** Formation of Alumni Association is under process.

**SoS in Physics and Astrophysics:** Formation of Alumni Association is under process. Alumni get together is organized every year.

### **32. Activities and support from the Parent-Teacher Association**

**Institute of Management:** It is recently formed and the institute is expecting its outcomes in subsequent meetings.

### **33. Health services (From Health Center)**

University has a health center and a pathology laboratory. One male and one female doctor are appointed to provide their services.

### **34. Performance in sports activities (From Director, Physical Education/ SoS in Physical Education)**

**SoS in Mathematics:**

- i. East Zone Youth Festival 08-09 coordinated by a senior faculty.
- ii. North East zone and All India Volleyball (women) coordinated by a senior faculty.

**SoS in Physical Education:** Students are participating in both National and International competitions.

**SoS in Sociology:** one student participated in National level sports and games event.

### **35. Incentives to outstanding sportspersons (From Director, Physical Education/ SoS in Physical Education)**

**SoS in Physical Education:** Players are provided sports kits, scholarships by SAI and incentives by the department of Physical Education.

### **36. Student achievements and awards**

S. No.	Name of Student	Name of Award/Achievement	Awarding Agency	Status of Award (Local/National/International)
<b>SoS in Anthropology</b>				
1.	Pragya Gajendra	RGNF	UGC	National
2.	Sampada Bais	UGC Fellowship	UGC	National
3.	Priyanka Lakra	RGNF	UGC	National
4.	Sameer Kr. Kurrey	RGNF	UGC	National
<b>SoS in Electronics and Photonics</b>				
5.	Hari Prasad Mishra, M. Tech Student	Ph.D. Program	Selected by Department of Physics and Astronomy, at the Vrije University, Van Amsterdam	International
<b>SoS in Geography</b>				
6.	Monalisa Guchhait	Gold Medal	University	Local

<b>SoS in History</b>				
7.	Priya Rai	JRF, ICHR	ICHR	National
8.	Preeti Rashmi Lakra	JRF, ICHR	UGC	National
9.	Jitendra Mankar	JRF, RGNF	UGC	National
10.	Tiharu Ram Baghel	JRF, RGNF	UGC	National
11.	Archana Kori	JRF, RGNF	UGC	National
12.	Saranjeet Kaur	-	-	National
13.	Mamta Kosaria	-	-	National
<b>SoS in Life Sciences</b>				
14.	Babita Pande	CSIR-NET (LS) June 2010	CSIR	National
15.		Participated in EUCLOCK, Summer School in Banglore	-	International
16.		Young Scientist award in Behaviour Science & Anthropology, 2010	CCOST	State
17.		Paper presented in ISCA Young Scientist Program (Anthropology & Behavioural Science), Chennai, 2010	ISCA	National
18.		Participated in 3 <sup>rd</sup> Science Conclave, 2010	IIT, Allahabad	National
19.		Bagged 2 <sup>nd</sup> Prize in oral presentation, XXII Nat. Symp. Chronobiol., March 15-17, 2011	Kurukshetra University, Kurukshetra	National
20.		Attended the 26 <sup>th</sup> Conference of the International Society for Chronobiology, July 5-9, 2010, Vigo Spain	International Society for Chronobiology	International
21.	Razia Sultana	Maulana Azad National Fellowship	UGC, New Delhi	National
22.	Nishtha Vaidya	SRF	CSIR, New Delhi	National
23.		Participated in 3 <sup>rd</sup> Science Conclave, 2010	IIT, Allahabad	National
24.	Saba Taj	Young Scientist Award in Bioscience, 2011	CCOST	-
25.		Maulana Azad National Fellowship	UGC, New Delhi	-
26.		INSPIRE Fellowship	DST, New Delhi	-
<b>Institute of Management</b>				
27.	Vidita Pandey	Consolation Prize	Dept. of Mgmt. SSGMITM, Shegaon	National
28.	Priti Soni	First	-	-

29.	Kuldeepak Nishad	-	-	-
30.	Vandana Dahiya	-	-	-
<b>Institute of Pharmacy</b>				
31.	Sneha Sahu	M. Pharm. Gold Medalist	Pt. RSU, Raipur	Local
32.	Swapnil Jaiswal	B. Pharm. Gold Medalist	Pt. RSU, Raipur	Local
<b>SoS in Physical Education</b>				
33.	Anita Gupta	Young scientist award	CCOST	State
<b>SoS in Physics and Astrophysics</b>				
34.	Yugal Kishor Mahipal	Student Attendee Award, 2011	International Solid State Ionic Society	International
35.	Dr. Arun Singh	Young Scientist Award, 2011	CCOST	State
36.	Abhishek Johri	Gold Medalist 2011	-	Local
<b>Institute of Teachers Education</b>				
37.	Rajshree Sinha	Inter Collage Extempore/1 <sup>st</sup> Prize	Pragati College	Local

### **37. Activities of the Guidance and Counseling unit**

**SoS in Electronics and Photonics:** Students are encouraged and extended adequate guidance for participation in summer/winter school/vacation programs organized at various research institutes. Faculties interact with students frequently to discuss and counsel them in order to improve their academic performance. Faculties maintain monthly attendance reports of each mentees.

**SoS in History:** Yes for competitive exams guidance provided to students.

**Institute of Management:** Time to time guidance is provided to students.

**SoS in Mathematics:**

- i. Guidance for NET and JRF Exam made available.
- ii. Guidance and counseling to more than 500 science graduates of affiliated colleges to pursue their carrier in SoS Mathematics carried out by senior faculties.

**Institute of Pharmacy:**

- i. Counseling provided by the teachers to the students regarding GPAT, GRE, TOEFEL.
- ii. Industrial visit carried out and encouraging the students for participation in IPC every year.
- iii. Guidance provided by the teachers to the students for getting their work published in reputed journals.

**SoS in Physical Education:** Counseling is provided to students to help the players to sustain participation in sports training program and to help them to cope up with the stress & strain of competitive sports.

**SoS in Physics and Astrophysics:** Students are encouraged and adequately guided for participation in summer/winter school/vacation programs organized at various research institutes.

### **38. Placement services provided to students**

**SoS in Computer Science & IT:** Yes

**SoS in Electronics and Photonics:** Usually students appear in the competitive examination and get placement. Most of the M. Tech. students got multiple job offers and joined Private and Govt. Sectors and some joined as Assistant Professor in Private Engineering Colleges. Department has achieved more than 80% placement for final semester students.

**SoS in Geology & Water Resource Management:** Yes, students have been guided and referred to various Institutions for employment.

**Institute of Management:** Yes

**SoS in Mathematics:** Students are assisted for suitable future prospects.

**Institute of Pharmacy:** Yes

**SoS in Physical Education:** Placement cell of the university facilitate the placement activities. Majority of the students get placed in various schools and colleges in the state and outside the state.

### **39. Development programs for non-teaching staff**

**SoS in Anthropology:** Special lectures are arranged by leading subject experts.

**SoS in Biotechnology:** Feedback System

**Institute of Management:** Yes

**SoS in Mathematics:** Insisted non-teaching staff to learn the use of computer and data collection through internet.

**Institute of Pharmacy:** As per university norms.

### **40. Good practices of the institution**

**SoS in Anthropology:** One non-teaching staff was sent to Bhopal Manav Sangrahalay for training in Museology and Museums.

**SoS in Electronics and Photonics:** Department permits the staff to take leaves for pursuing higher studies. Administrative staffs are provided with computer awareness program.

**Institute of Management:**

- i. Selection to the Institute is based on National test conducted by AIMA (MAT).
- ii. The Institute prepared detailed academic calendar covering information s of activities starting from the commencement of academic session to sessional examinations, semester examinations etc.
- iii. The Institute continuously tries to develop an interface with the industrial tours and workshops with the active involvement of leading industrial executives and academics invited from different parts of the country. The institute has its alumni association which helps in making a continuous relationship with alumnus who help in development of students. Alumni meet is organized every year in the institute.
- iv. The Institute has a Summer Training Cell and Placement Cell which exposes its students to the real life situations in the industry and helps in summer placement and final placement of students.
- v. The Institute has its own Reference Library and Students Club which helps in their personality and intellectual development by providing the knowledge and opportunities.
- vi. Counseling is provided to students to cope up with the pressure of MBA programs.
- vii. Tree plantation program in the campus was organized.
- viii. Examination reforms implementation by making three internal tests are conducted for internal assessment of students.

**SoS in Mathematics:** Problems of students addressed by faculty members.

**Institute of Pharmacy:**

- i. Routine staff counseling meeting.
- ii. Student's suggestion box.
- iii. Cupboard provided to individual students.
- iv. Anti-raging cell.
- v. Girls supporting cell.
- vi. Pharmaceutical Society for promotion and cultural activity.
- vii. Class in-charge for better student and teacher interaction.
- viii. Class representative.
- ix. Stress free environment in the campus.
- x. Constant feedback taken from students.
- xi. Routine publications from department and periodic projects availing to department.

**SoS in Physical Education:**

- i. Entrance tests are conducted for admission in all the courses. NCTE norms are followed for admission and other purposes.
- ii. The department works as per academic calendar. Intramural activities are being conducted every Saturday. Sports quiz competition, Khel Diaws and inter-departmental competitions are being organized regularly.
- iii. Sessional examination, semester examinations etc. are conducted strictly in adherence to academic calendar of the university.
- iv. National anthem is being sung every day in the morning by students and staff.

**SoS in Psychology:** Perspective plan for overall developmental activities was created; implemented and monitored, Student support mechanism exists for coaching for competitive examinations.

**SoS in Sociology:** Perspective plan for overall developmental activities was created; implemented and monitored, Student support mechanism exists for coaching for competitive examinations.

**Women's Hostel:** Perspective plan for overall developmental activities was created, implemented and monitored.

**41. Linkages developed with National/ International, academic/research bodies:**

S. No.	Linkages/ Collaboration with	Type (Teaching/ Research/ Consultancy)	Remark
<b>SoS in Electronics and Photonics</b>			
1.	University of California, Santa Cruz	Research and teaching as Visiting Associate Professor December-August 2011	Dr. Sanjay Tiwari
2.	International Journal of Engineering and Industrial Application (IJERIA), Ascent Publication, Pune, Maharashtra, India	Research & Consultancy	Dr. Kavita Thakur, Member of Editorial Board
3.	International Journal of Image Processing & Applications (IJIPA), Vol. 1, No. 1, Jan-June, 2010, International Science Press, F-2562, Ansal's Palam Bihar, Gurgaon, Haryana, India	Research & Consultancy	Dr. Kavita Thakur, Member of Editorial Board
4.	International Journal of Pure & Applied Science & Technology (IJPAST), Gauhati University, Assam, India	Research & Consultancy	Dr. Kavita Thakur, Member of Editorial Board
5.	The SciTech Journal of Science and Technology, ISSN (Applied), the SciTech publisher, West Bengal, India	Research & Consultancy	Dr. Kavita Thakur, Member of Editorial Board
6.	International Journal of Chemoinformatics and Chemical Engineering University of Guilan, Iran	Research & Consultancy	Dr. Kavita Thakur, Member of Editorial Board
7.	The Excelling Tech Publishers for International Journal of Science and Emerging Technology	Research & Consultancy	Dr. Kavita Thakur, Member of Advisory Committee
8.	Ascent International Journals, Ascent Publication House, Pune, India	Research & Consultancy	Dr. Kavita Thakur, Member of Advisory Committee
9.	Journal of Advances in Applied Research" P.S.G.R. Krishnammal College for Women, Coimbatore, India	Research & Consultancy	Dr. Kavita Thakur, Reviewer

<b>SoS in Geography</b>			
10.	International Geographical Union (IGU)	Research	Membership
11.	International Cartographic Association	Research	Membership
12.	National Association of Geographer of India (NAGI)	Research	Membership
13.	Institute of Indian Geographer (IIG)	Research	Membership
14.	Indian Academy of Social Sciences (ISSA)	Research	Membership
15.	Indian Science Congress (ISC)	Research	Membership
16.	Geographers Association Goa (GAG)	Research	Membership
17.	Association of Population Geographers of India (APGI)	Research	Membership
18.	National Geographical Society (NGS)	Research	Membership
19.	Deccan Geographical Society (DGS)	Research	Membership
<b>SoS in Physics and Astrophysics</b>			
20.	IUCCA Pune	Research	-
21.	Anglo Australian observatory (AAO)	Research	-
22.	Solid State Ionic Groups, Department of Physics and Astrophysics, University of Delhi	Research	-
23.	IIT Mumbai	Research	-

**42. Action Taken Report on the AQAR of the previous year (SoS/ Institute/ Center and other concerned section of the University to answer with reference to Section-A of this report):**

**SoS in Electronics and Photonics:**

1. More emphasis is given to the promotion of fundamental research in all the faculties and provides incentives to talented students to pursue basic research as a career.
2. The issues of quality improvement are addressed through the modernization of syllabi, and constitution of the Boards of study involving both academics and personnel from the institutions which are the potential employers.
3. Teaching and research activities are aided by extensive use of ICT & Networking through Local Area Network (LAN), Wide Area Network (WAN) and Information and Library Network (INFLIBNET).

**SoS in Geography:**

**Academic (Teaching & Research)**

1. Encouraged faculty and research scholars to participate in National/International seminars, symposia, conferences and workshops.
2. Invited experts to deliver invited lectures in various SoS.
3. Encouraged faculty to undertake minor and major research projects.
4. Encouraged faculty to publish their research outcome in peer-reviewed journal.
5. Introduced ICT to make teaching-learning process more effective.

**Student Support Services**

1. Provided special coaching classes for GATE, CSIR-UGC (NET) aspirants.
2. Helped students by providing them with various scholarships and fellowships.

**Others**

Promote activities of the Alumni Association.

**Institute of Pharmacy:** Action taken report based on previous accreditation is in progress

**43. Any other relevant information the institution wishes to add**

**SoS in Geography:**

1. Proposal submitted for infrastructure improvement under DST-FIST.
2. Proposal for two major research projects submitted to UGC and ICSSR

**SoS in Physical Education:** East zone Inter-University Kho-Kho (men) Tournament was organized and Team of Pt. RSU secured first place.

**Section C: Outcomes achieved by the end of the year**

**SoS in Anthropology:**

1. UGC-SAP DRS - I (2007-2012)
2. UGC- Rajiv Gandhi National Fellowship to two students
3. One student obtained JRF (UGC) and two selected for UGC-NET Lectureship
4. Abroad visit (one faculty visited twice)
5. Two Research Projects ongoing
6. Research Papers (total 21 research papers in National Journals)
7. Ph. D. Awarded (03)
8. Important Visits (5 visitors visited the department on different occasions)
9. One day Field work & Archeology excavation at Malhar (27-03-2011)
10. Compulsory field work for semester II students introduced

**SoS in Biotechnology:**

1. One ongoing major research project from UGC.
2. Research scholars with one UGC JRF & one UGC Rajeev Gandhi Fellowship.
3. Six research papers published in national & international journals with 02 citations.
4. Ten M. Phil. Biotechnology dissertations completed.

**SoS in Electronics and Photonics:**

1. In 2010-2011, research papers have been published by faculty in various National and International Journals.
2. M. Tech. & M.Sc. Students got excellent jobs in Govt. and Corporate Sector.
3. One of the students got selected for Ph.D. course at Virje University, Netherland.
4. One of the faculty members Dr. Sanjay Tiwari awarded International Fulbright award and UGC research award and did advanced research at University of California Santa Cruz. The department has signed MoU with University of California Santa Cruz.

**SoS in Geography:** Results of PG and M. Phil. were 100 %, six research scholars awarded Ph. D. and two submitted.

**SoS in Mathematics:** Admission in M. Phil. through Entrance examination started.

**SoS in Physical Education:**

1. Courses completed as per schedule.
2. Intramural and Extramural activities completed as per schedule.
3. Special classes of Spoken English were conducted for about two months which lead to improvement in communication skill and confidence building.

**SoS in Physics and Astrophysics:**

1. In 2010-11, 22 research papers have been published in various National and International Journals.
2. Two National Conferences have been organized.
3. Internal exams have been introduced for M.Sc. I<sup>st</sup> and III<sup>rd</sup> semester students.
4. Two research students got Young Scientist Award.
5. Two class rooms have been upgraded with Audio-visual/air conditioned facilities.

**IUCAA Resource Center (IRC), SoS in Physics & Astrophysics:**

1. Several Astronomical programs were organized in and outside Raipur for science popularization

- and to promote Astronomy.
2. Students were also encouraged to participate in competitive exams in A&A and got selected in Astronomical Institution.
  3. Famous Astrophysics/ Scientists visited the department and interacted with students.

**SoS in Public Outreach Center:** Research works presented at National/International seminar/ conferences/ workshops were collected in the form of poster & displayed at the Public Outreach Center, which is accessible to students/ common people.

#### **Section D: Plans of the HEI for the next year**

##### **SoS in Anthropology:**

- 1. Biological Anthropology (Human Genomics Center):** Mission is to promote scientific study (basic and applied) of the human genome and encourage the free flow of information unconstrained by individual, industrial & national interest.

Human Genomics Lab following researches have been initiated:

- (A) Mapping of the genomic diversity among various ethnic group of Chhattisgarh.
  - (B) Drug metabolizing enzymes and susceptibility to Tobacco induced Oral cancer and pre cancer-study using Biotechnological Tools.
  - (C) Hematological and Genomic Studies on Populations of Chhattisgarh with special reference to hemoglobinopathies.
  - (D) Understanding the Host Genetic Factors in *P. falciparum* mediated Malarial Pathogenicity.
- 2. Socio-cultural Anthropology (Center for Tribal Empowerment) for:**
    - i. Policy research for poverty alleviation
    - ii. Promotion of tribal art and customs, Traditional knowledge & IPR issues
    - iii. Evaluation of Government Plans & Schemes
    - iv. Vocational Training
    - v. Ethnographic studies
    - vi. Impact of cultural transition on tribal & rural communities
    - vii. Extension Services (Adoption of village for its overall development)

- 3. Anthropological Museum:** To depict the bio-cultural heritage of tribes of C.G. Museum will be opened for school children also.

- 4. Forensic Consultancy Unit:** To sensitized people with law and justice

##### **5. Other highlights:**

- i. There is also an active Anthropological Association, which organizes anthropology related activities like inviting guest speakers, seminar organization, alumni meet etc.
- ii. Separate new building of Anthropology is under construction.
- iii. Ph.D. awarded - 18 (Male-12, Female-6)

**SoS in Biotechnology:** Proposal for UGC Innovative program and proposal for DST-FIST

**SoS in Electronics and Photonics:** The vision is to impart quality education and Mission is to mould students into rational thinkers, competent workers and socially aware citizens. To fulfill this the department have engaged in activities such as:

- i. Organizing more number of National/International Seminar in Department.
- ii. Conducting more number of workshops, industrial visits and invited lectures for students.
- iii. Establishing "Parents-Teachers Association".
- iv. Making strong corporate relationship with our successful alumni's to improve better academic prospect.

##### **SoS in Mathematics:**

- i. Admission in Ph. D. according to UGC regulation, 2009.
- ii. Formation of staff council and computer training to supporting staff.

**SoS in Physical Education:**

- i. Providing prophylactic Health Care
- ii. Developing programs for Special population

**Dr. Atanu Kumar Pati**  
**Director, IQAC,**  
**PRSU, Raipur**  
**Chhattisgarh**

**Prof. S.K. Pandey**  
**Vice-Chancellor**  
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