School of Studies in Chemistry
Pt. Ravishankar Shukla University

Heartily Welcomes
Esteemed Members of the NAAC Peer Team

.....July 2023

SCHOOL OF STUDIES IN CHEMISTRY

(DST-FIST & UGC-SAP-DRS-II Funded Department and PURSE Funded University)

PT. RAVISHANKAR SHUKLA UNIVERSITY- RAIPUR CHHATTISGARH (NAAC: A-GRADE)

https://www.prsu.ac.in/academic-departments/utd-departments/School-of-Studies-in-Chemistry/2

1972

(2016-2021)

- **Total Research Project Sanctioned 7**
- **Total Grant Received 147.29 Lakh**
- **143 Publications and 05 MoU**
- **37 Ph. D. Produced**
- **33 Assistant Professor (CGPSC 2021)**
- **55 NET/GAT E/SET and Inspire**

Vision

The School of Studies in Chemistry, recognized as one of the premiere institutions in chemistry education in central India, endeavors to be a nationally as well as internationally-recognized model for educating students in the light the 21st century.

The School is committed to providing a course of study for postgraduates in the various multidisciplinary fields in chemical sciences which combines curriculum, scholarship and service/engagement opportunities that are high-quality, pioneering and intellectually

Mission

- ✓ The mission of the School of Studies in Chemistry is to advance the chemical sciences through the education of postgraduate students by providing them with quality classroom teaching, research and employment opportunities.
- ✓ To develop teaching & research programs that has relevance to society and employability
- ✓ To teach students the value of cross-disciplinary thinking by providing them with educational and research opportunities between chemistry and other fields of study.
- ✓ To promote innovative curriculum development while exposing students to advanced instrumentation and technology.
- ✓ To foster multi-disciplinary curriculum development in Environmental Science, Analytical Chemistry, Surface Chemistry, Nano Chemistry, , Biochemistry, Natural Product Chemistry, Polymer Science and Chemical Education.
- ✓ To encourage students to value diversity and to develop a global perspective through international experiences in chemistry.

FACULTY PROFILE

SANCTIONED POST : 10 Vacant :03

S. No.		Name	Designation	Qualification	Specialization	h- Index	Total Publications
1.		Dr. Kallol K. Ghosh	Professor & Head	M.Sc., Ph.D., JSPS fellow James Chair Fellow	Physical Chemistry, Physical Organic & Surface Chemistry	31	218
2.		Dr. Manas Kanti Deb	Professor	M.Sc., Ph.D., JSPS fellow	Analytical Chemistry, Environmental Chemistry	31	169
3.		Dr. Shamsh Pervez	Professor	M.Sc., Ph.D., US Fulbright Research Fellow	Physical Chemistry, Environmental Sciences, Air Quality Monitoring & Modelling, Waste Water Treatment	27	112
4.		Dr. Manish K. Rai	Professor	M.Sc., Ph.D.,	Organic Chemistry & Environmental Science	4	50
5.		Dr. Kamlesh K. Shrivas	Professor	M.Sc., Ph.D., JSPS, ORISE Fellow	Analytical Chemistry, Chemical Sensor & Mass Spectrometry	35	104
6.		Dr. Manmohan L. Satnami	Associate Professor	M.Phil., Ph.D., TWAS Fellow	Inorganic Chemistry Nanomaterials & Physical Organic Chemistry	26	88
7.		Dr. Indrapal Karbhal	Assistant Professor	M.Sc., Ph.D., CSIR-UGC-NET, JRF	Inorganic Chemistry Nanomaterials & Nanotechnology, Physical Organic Chemistry, Energy Storage	16	38

GUEST TEACHERS : 03

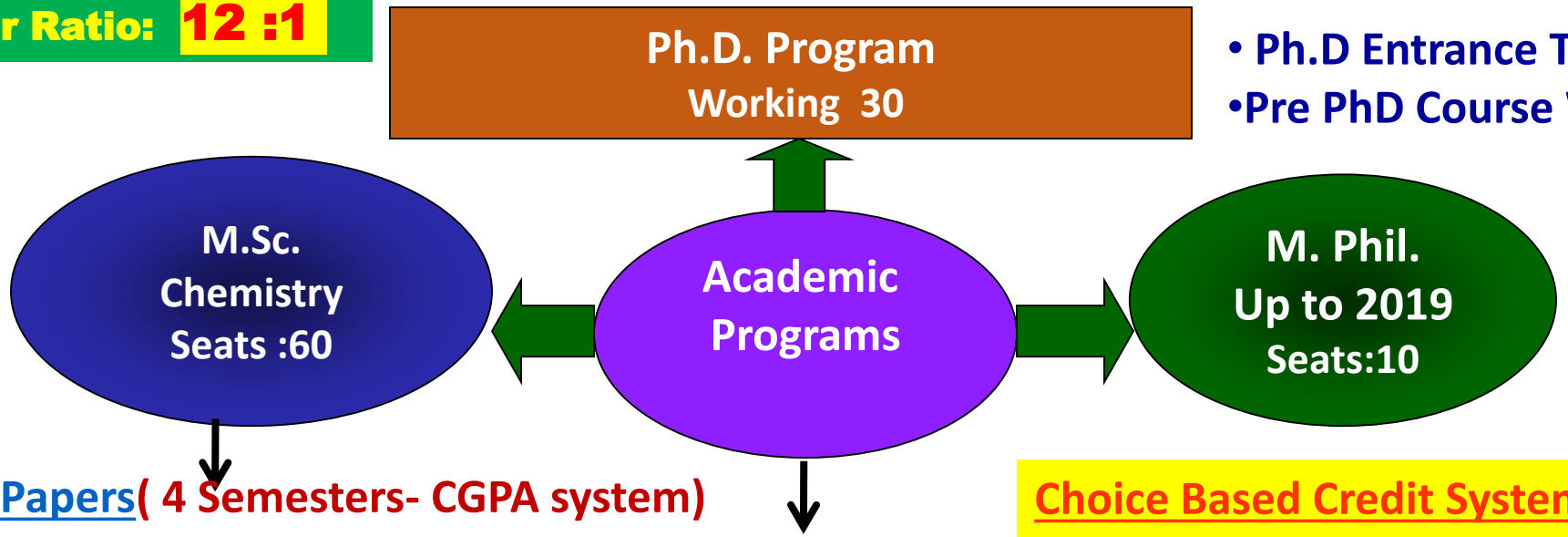
Awards/ Recognitions Received at The National And International Level/ Others

S.N.	Faculty	Award / Professional Society / Other Responsibility/ Contribution in University Administration
1.	Prof. Kallol K Ghosh	Head School of Studies in Chemistry Director, Centre for Basic Sciences , Member Purchase Committee, IQAC , Former Dean Faculty of Science , Bronze Medal CRSI, B N Ghosh Medal Indian Chemical Society Former Member : Executive Council , Pt. Ravishankar Shukla University Editor: Journal of Ravishankar University (Science) , NAAC Assesor Coordinator, Public Outreach Centre, Joint Secretary CRSI, Council Member Indian Chemical Society
2.	Prof. Manas Kanti Deb	Director, NCNR, Pt. Ravishankar Shukla University Head: School of Studies in environmental science, Pt. Ravishankar Shukla University Editor in chief: Journal of Ravishankar Shukla university C G Planning Board
3.	Prof. Shamsh Pervez	US Fullbright Research Fellow Elected President, University Teacher Association Air Quality Expert consultant & Collaborator, Washington University, St. Louis & DRI Expert Member : C G Planning Commission
4.	Prof. Manish K Rai	State academic Co-ordinator, department of Science and technology, Govt. of Chhattisgarh, NCSC-DST, Govt. of India, New Delhi Member of Indian Chemical Society ,Member of Indian Council of Chemists Member of Chemiluminscence Society of India ,Member of Royal Society of Chemistry
5.	Prof. Kamlesh K. Shrivas	Listed in Worlds top 2% Indian Scientists (2019-2021) in Analytical Chemistry Teacher Incharge of Student Union
6. 7	Dr. Manmohan L. Satnami Dr. Indrapal Karbhal	UGC Research Awrad 2016-2018 CRSI young Scientists Award 2018 Warden of Azad Hostel and Research Scholar Hostel University Garden

NON-TEACHING STAFF

S.No.		NAME	DESIGNATION
01		Mr. Banshidhar Jha	Lab Technition
02		Mrs. Vibha Kerketta	Lab Technition
03		Mr. Pramod Prasad Choudhary	Gas Mechanic
04		Mr. Ramesh Kumar Verma	LDC
05		Mrs. Dolly Pathak	LDC (Contract)
06		Mr. Rajiv Kujur	Lab Attendent
07		Mr. Aashish Rajput	Museum Attendent
08		Mr. Vijay Yadav	Peon

Student Teacher Ratio: 12 :1



- Ph.D Entrance Test
- Pre PhD Course Work

Courses and Papers(4 Semesters- CGPA system)

- Group Theory & Chemistry of Metal Complexes
- Concepts in Organic Chemistry
- Quantum Chemistry, Thermodynamics and Chemical Dynamics I & II
- Theory and Application of Spectroscopy I & II
- Transition Metal Complexes
- Reaction Mechanism
- Resonance Spectroscopy and Photochemistry
- Chemistry of Biomolecules
- Catalysis, Solid State and Surface Chemistry
- Analytical Techniques and Data Analysis
- Instrumental Methods of Data Analysis
- Medicinal Chemistry
- Material and Nuclear Chemistry
- Applied Chemical Analysis

20 Credit/Sem

UGC & CSIR NET

Choice Based Credit System

Internal Papers (Subject Specific)

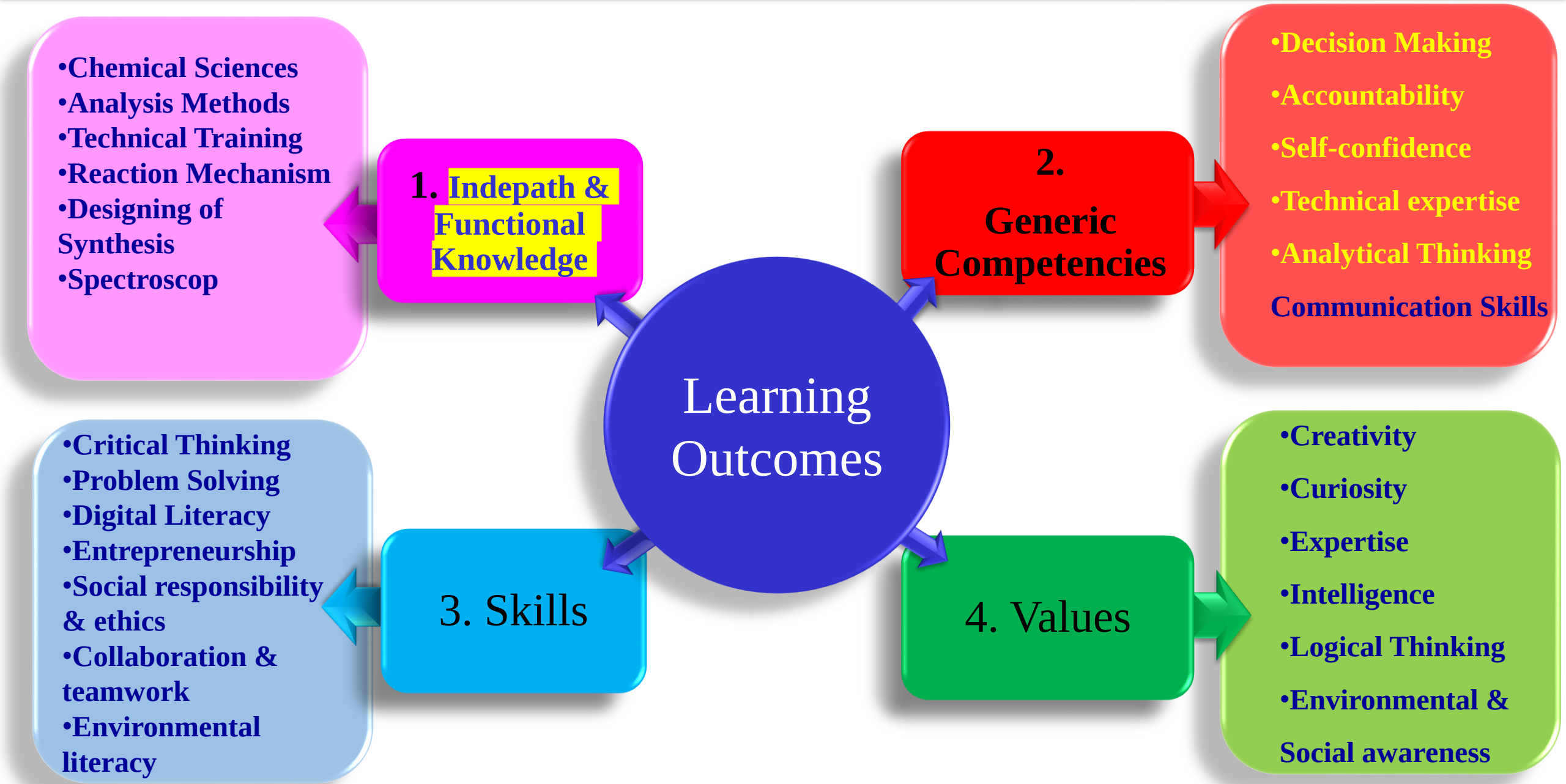
- Medicinal Chemistry
- Chemistry of Surfactants
- Chemistry and Applications of Pesticides
- Nanochemistry . Polymers
- Molecular Symmetry, Coordination and Organometallic Chemistry

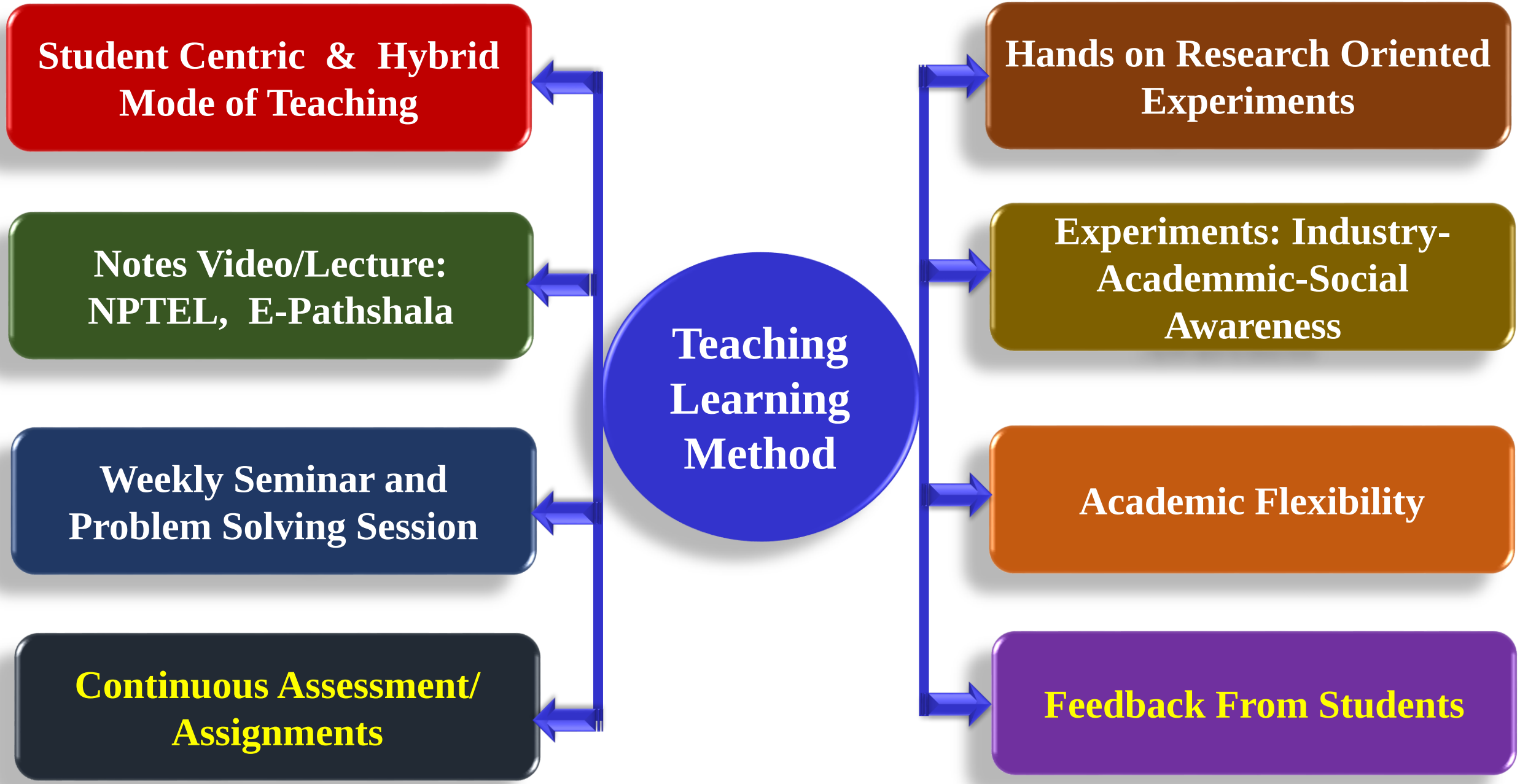
External Elective Papers (Generic)

Analytical Techniques & Data Analysis

- Resonance Spectroscopy & Photochemistry
- Instrumental Method of Analysis
- Chemistry of Biomolecules

Learning Outcomes of Chemistry




Student Centric & Hybrid Mode of Teaching
Notes Video/Lecture: NPTEL, E-Pathshala
Weekly Seminar and Problem Solving Session
Continuous Assessment/ Assignments
Teaching Learning Method
Hands on Research Oriented Experiments
Experiments: Industry-Academmic-Social Awareness
Academic Flexibility
Feedback From Students

POPULARITY INDEX

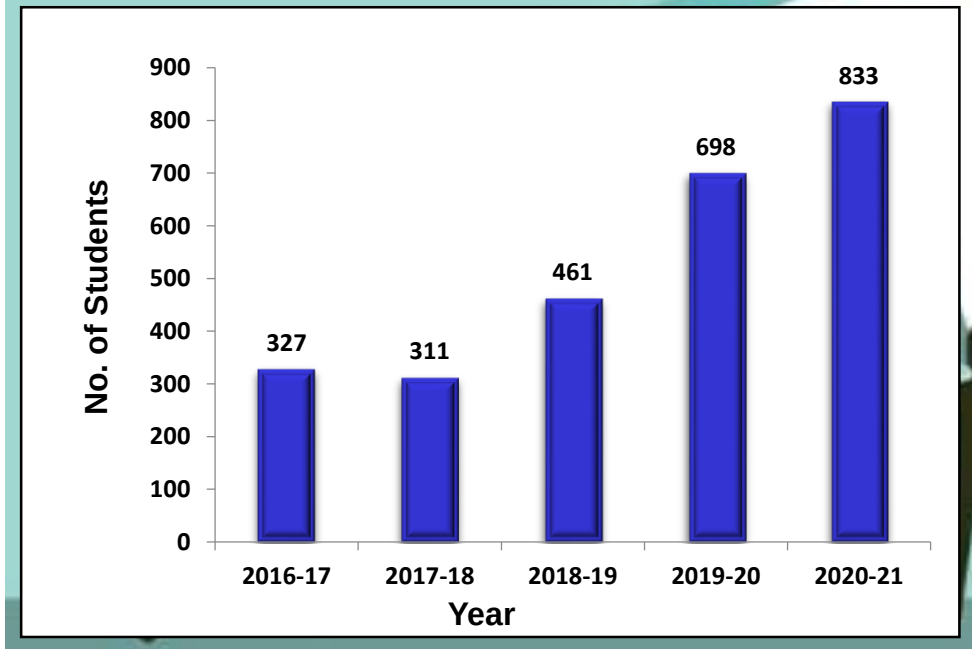
~800

60

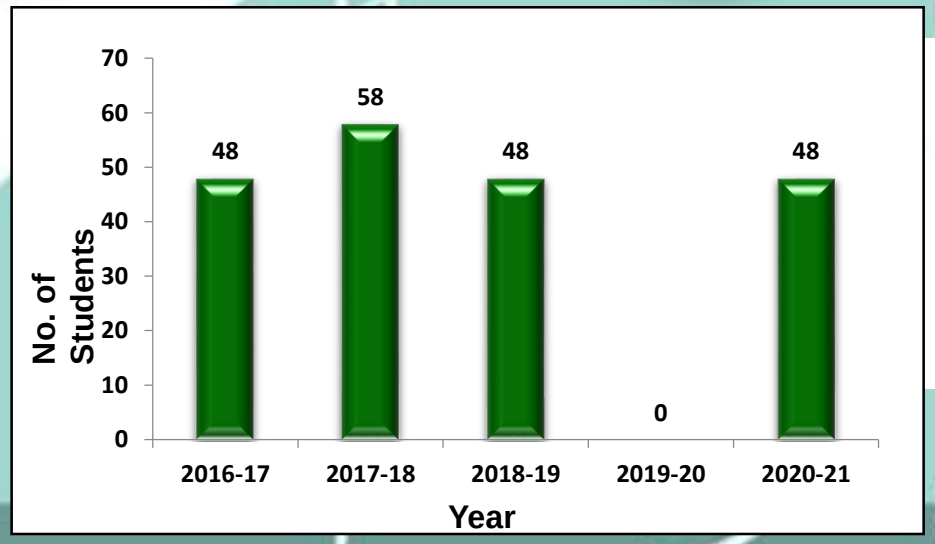
35

25

Payment Seats

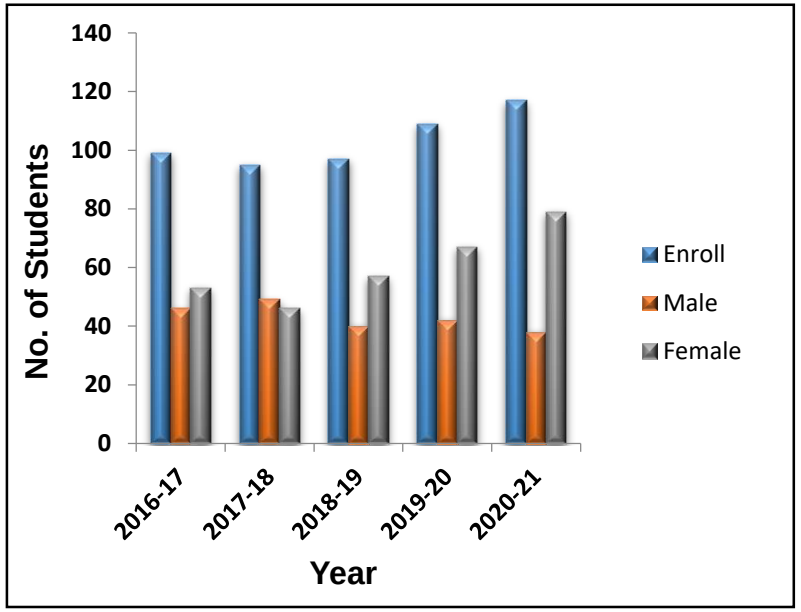


M.Sc. (Chemistry)

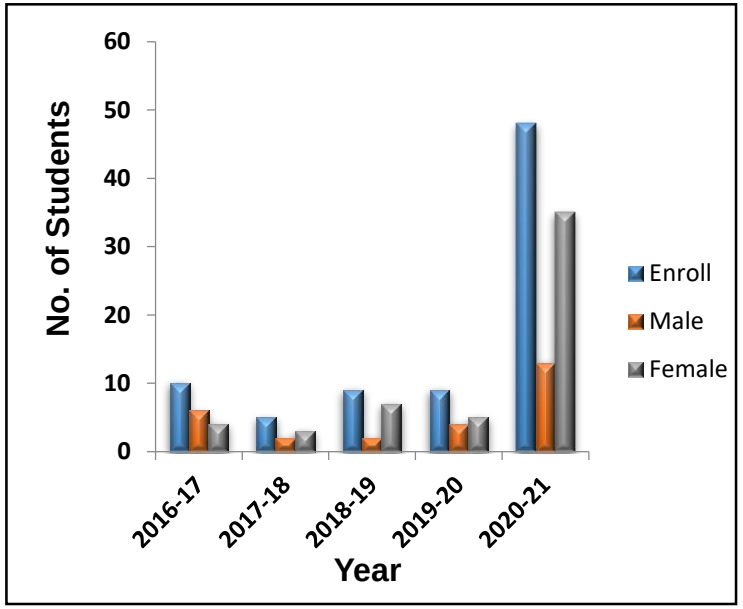


Ph.D. (Chemistry)

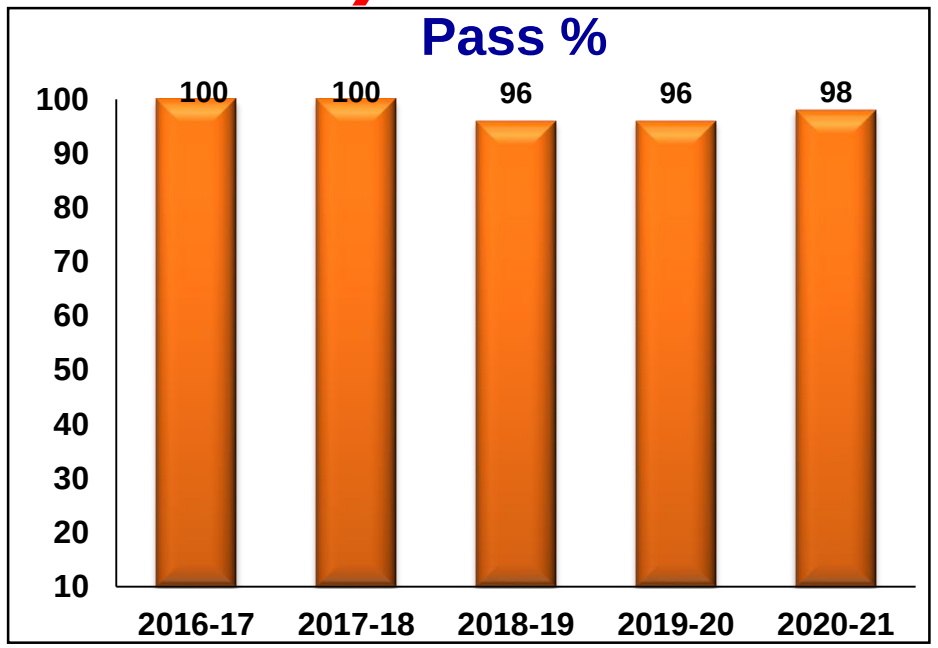
Enrollment Statistics (2016-21)

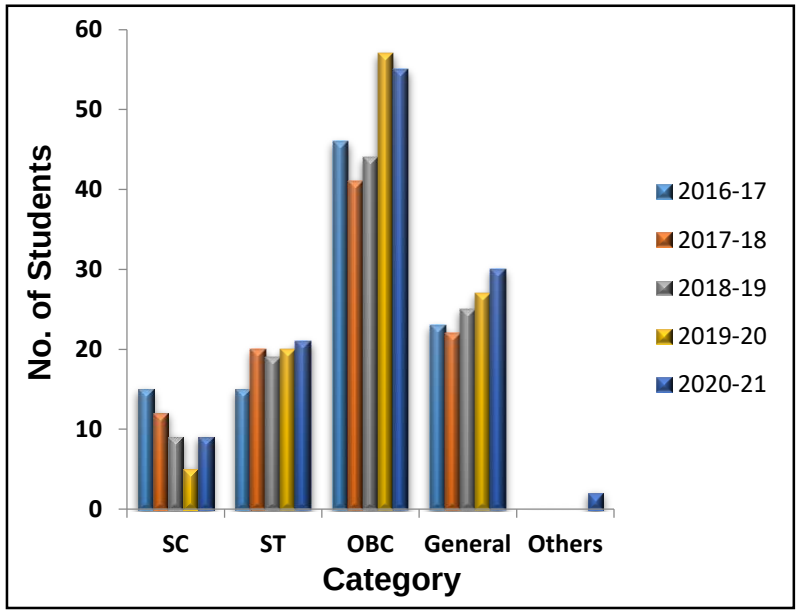


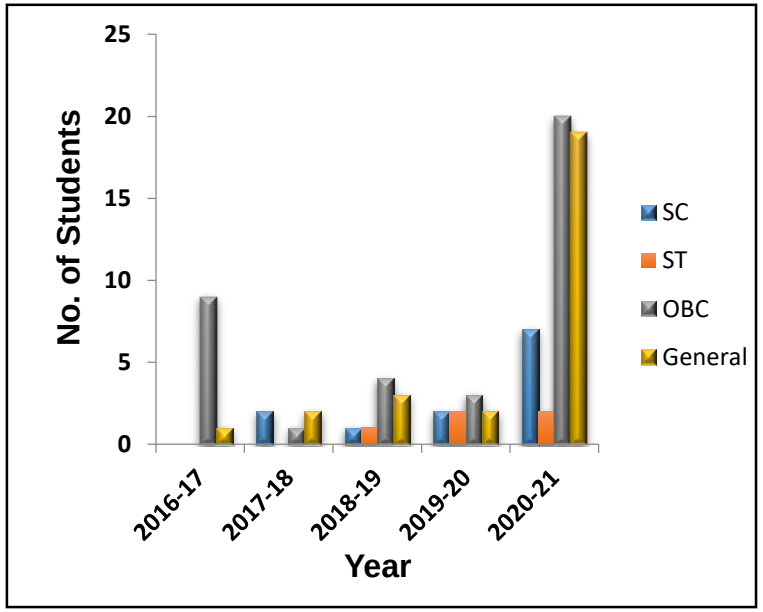
M.Sc. (Chemistry)

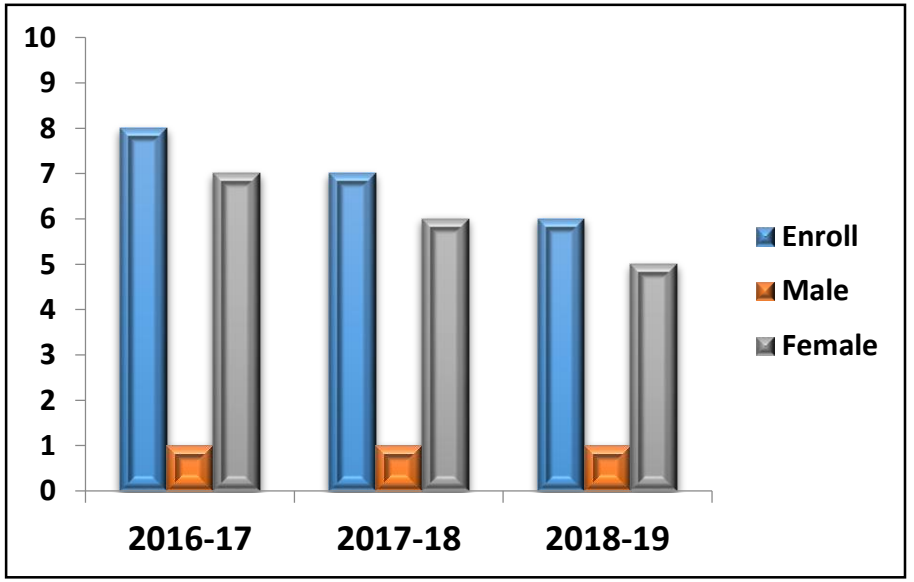


Ph.D. (Chemistry)



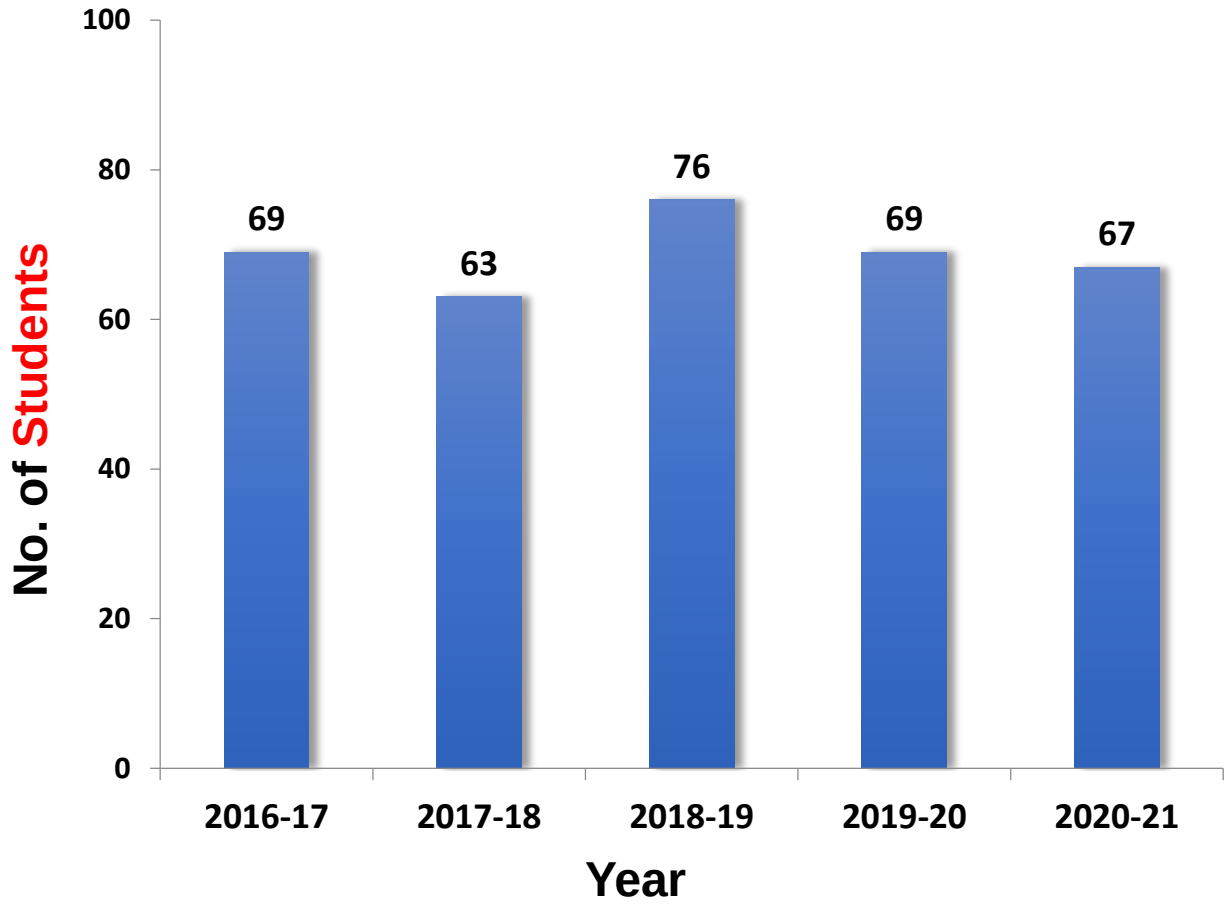






M.Phil (Chemistry)

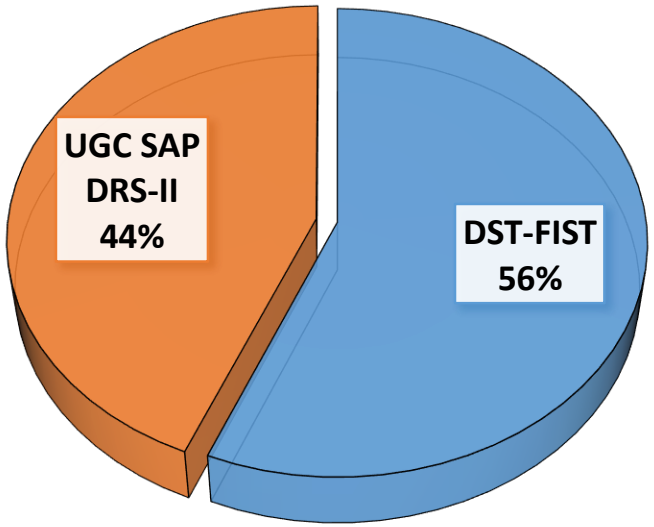
Scholarship Received (2016-21) M.Sc



RESEARCH PROJECTS SANCTIONED

DEPARTMENTAL PROJECTS (2016-2021)

S. No.	Project Title	Funding Agency	Amount Sanctioned	Duration	Name of Co-ordinators
1.	Environmental Chemistry, QSAR and Drug Designing for Antitumor/ Anticancer activity, Surface Science and Interfacial Reactivity & Nanomaterials and Conjugation of Medicinally Important Bio-Molecules	DST-FIST SR/FST/CSI-259/2014 Amount Released Rs.122.5 Lakh	Rs. 165 Lakh	2015-2020	Prof. Kallol K. Ghosh Prof. Manas Kanti Deb Prof. Shamsh Pervez
2.	Biogeo-Environmental Pathways, Nanochemistry and Associated Climate Change Involved with Pollutants	UGC-SAP/DRS-II, F.540/7/DRS-II/2016	Rs. 128 Lakh Amount Released : Rs, 94.65	2016-2021	Coordinator: Prof. Kallol K. Ghosh Dy. Coordinator: Prof. Manas Kanti Deb

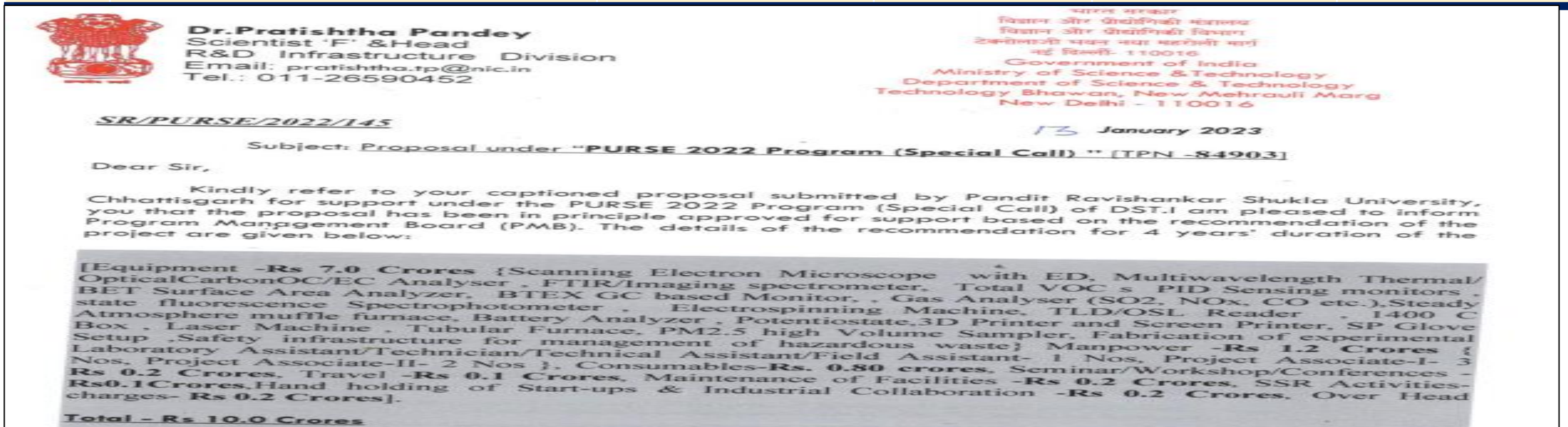


283 Lakh
TOTAL SANCTIONED AMOUNT

UNIVERSITY PROJECT (2023-2026)

DST-PURSE

S.No.	Project Title	Funding Agency	Amount Received	Duration	Name of Co-ordinators
1.	**Integrative Approach towards Developing Sensing, Measurement Devices and Mitigation Methods for Environmental Pollutants known for Potential Impact on Health and Climate Change**	DST-PURSE Promotion of University Research and Scientific SR/PURSE/2022/145	**Rs. 10 CRORES**	2023-2026	Coordinator: **Prof. Manas Kanti Deb** Co-Coordinator: **Prof. Shamsh Pervez** **Prof. Durga Prasad Bisen**



Dr.Pratishtha Pandey
Scientist 'F' &Head
R&D Infrastructure Division
Email: pratishtha.tp@nic.in
Tel.: 011-26590452

Government of India
Ministry of Science &Technology
Department of Science & Technology
Technology Bhawan, New Mehrauli Marg
New Delhi - 110016

SR/PURSE/2022/145

13 January 2023

Subject: Proposal under "PURSE 2022 Program (Special Call) " [TPN -84903]

Dear Sir,

Kindly refer to your captioned proposal submitted by Pandit Ravishankar Shukla University, Chhattisgarh for support under the PURSE 2022 Program (Special Call) of DST.I am pleased to inform you that the proposal has been in principle approved for support based on the recommendation of the Program Management Board (PMB). The details of the recommendation for 4 years' duration of the project are given below:

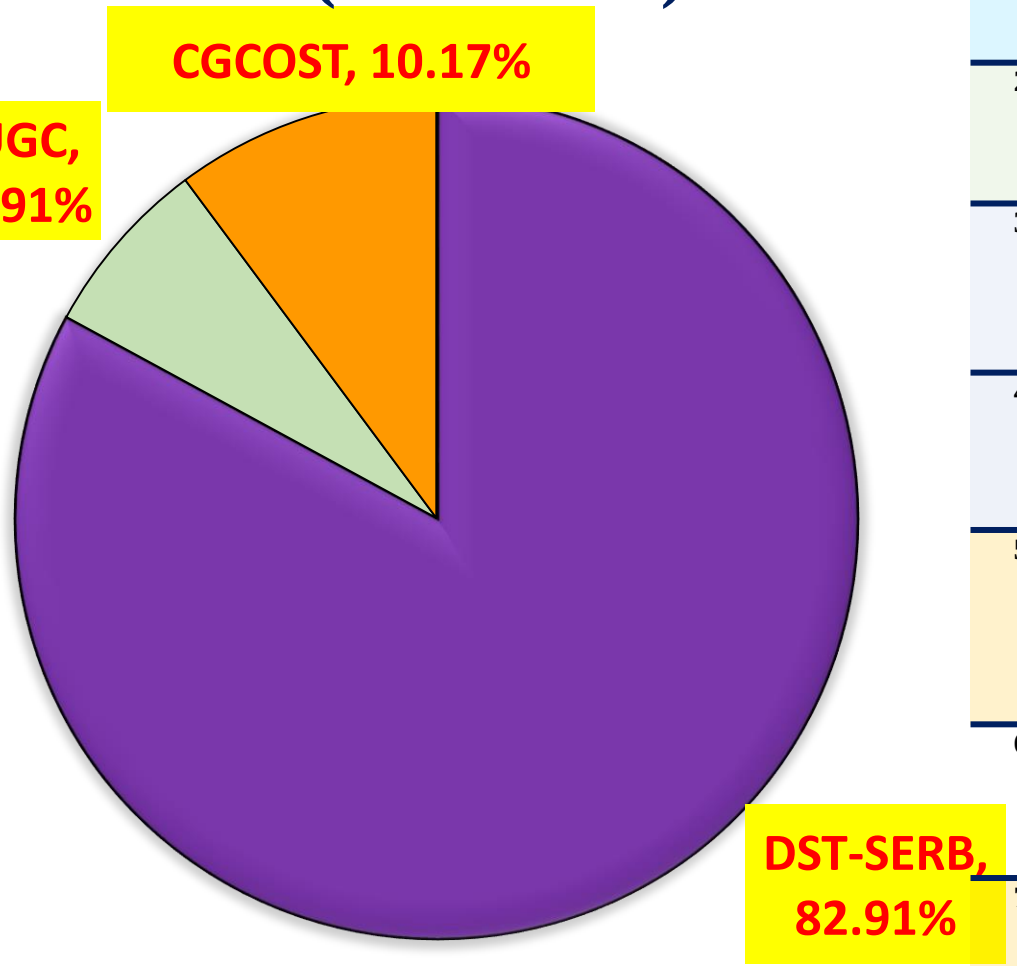
[Equipment -**Rs 7.0 Crores** {Scanning Electron Microscope with ED, Multiwavelength Thermal/ OpticalCarbonOC/EC Analyser , FTIR/Imaging spectrometer, Total VOC s PID Sensing monitors , BET Surface Area Analyzer, BTEX GC based Monitor, , Gas Analyser (SO2, NOx, CO etc.),Steady state fluorescence Spectrophotometer , Electrospinning Machine, TLD/OSL Reader , 1400 C Atmosphere muffle furnace, Battery Analyzer , Potentiostate,3D Printer and Screen Printer, SP Glove Box , Laser Machine , Tubular Furnace, PM2.5 high Volume Sampler, Fabrication of experimental Setup ,Safety infrastructure for management of hazardous waste} Manpower -**Rs 1.2 Crores** { Laboratory Assistant/Technician/Technical Assistant/Field Assistant- 1 Nos, Project Associate-I- 3 Nos, Project Associate-II- 2 Nos }, Consumables-**Rs. 0.80 crores**, Seminar/Workshop/Conferences - **Rs 0.2 Crores**, Travel -**Rs 0.1 Crores**, Maintenance of Facilities -**Rs 0.2 Crores**, SSR Activities- **Rs0.1Crores**,Hand holding of Start-ups & Industrial Collaboration -**Rs 0.2 Crores**, Over Head charges- **Rs 0.2 Crores**].

Total - Rs 10.0 Crores

RESEARCH PROJECTS SANCTIONED

INDIVIDUAL PROJECTS

(2016-2021)



147.29 Lakh
TOTAL SANCTIONED AMOUNT

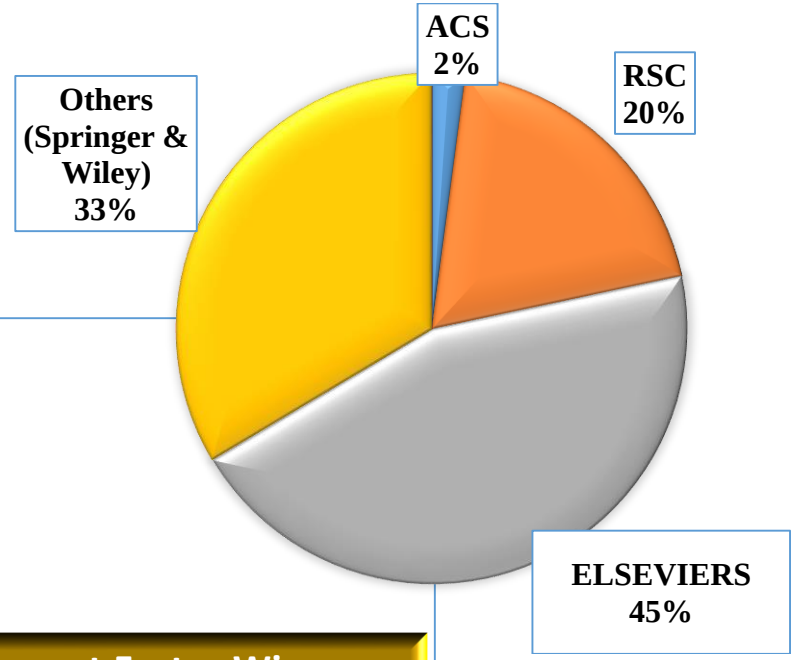
S.No	Project Title	Funding Agency	Amount Received	Duration	Name of Co-ordinators
1.	Micellar, Interfacial and Spectroscopic Studies of Antidepressants Drug-Surfactant Systems	University Grants Comission, New Delhi,	Rs. 10.20 Lakh	2015-2018	Prof. Kallol K. Ghosh
2.	Studies on Interaction of Surfactants and Surfactant Mixture with Serum Albumin Proteins	Chhattisgarh Council of Science and Technology,	Rs. 5 Lakh	2015-2018	Prof. Kallol K. Ghosh
3.	Heterolytic Cleavage of Organophosphorous Pesticides by Oximate and Hydroximate ion in Self-Organised assemblies	Chhattisgarh Council of Science and Technology	Rs. 5 Lakh	2015-2017	Dr. Manmohan L. Satnami
4.	Analytical Investigation of Some Food Additive and Toxic Adulterants Employing DRS/ATR FTIR Spectroscopic Techniques	Chhattisgarh Council of Science and Technology,	Rs. 5 Lakh	2016-2018	Prof. Manas Kanti Deb
5.	Evaluation of Biomass Burning Emissions to Address Sources of Atmospheric Brown Carbon and Associated Impacts on Regional Climate	Science & Engineering Research Board (SERB)-DST	Rs. 54.27 Lakh	2018-2021	Prof. Shamsh Pervez
6.	Design and development of low cost paper based printed electrochemical and colorimetric sensors	Science & Engineering Research Board (SERB)	Rs. 40.33 Lakh	2018-2021	Dr. Kamlesh Kumar Shrivas
7.	Nanomaterial-Based Optical and Electrochemical Biosensors for Detection of Simulants of Warfare Nerve Agents	Science & Engineering Research Board (SERB), New Delhi	Rs. 27.49 Lakh	2018-2021	Dr. Manmohan Lal Satnami

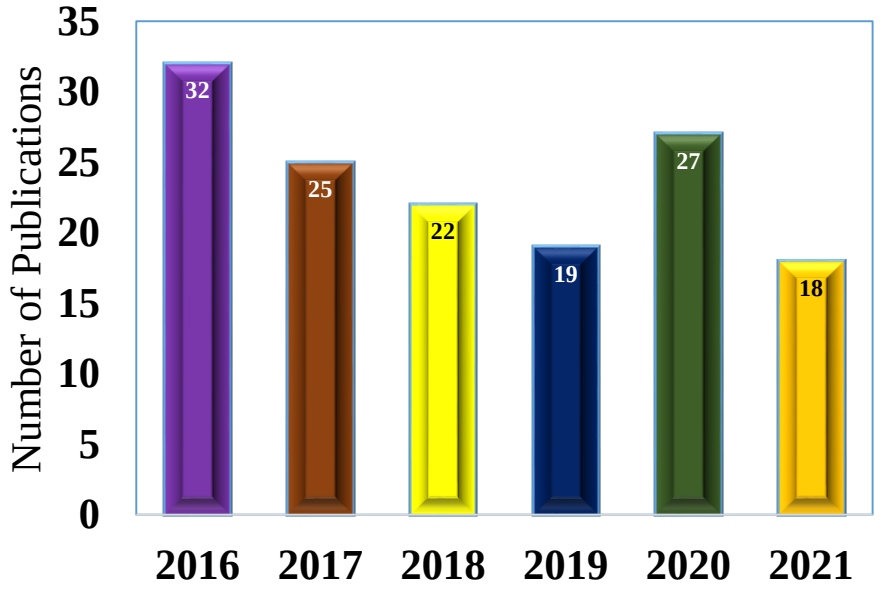
ONGOING RESEARCH PROJECTS
(2022-2023)

S.No.	Project Title	Funding Agency	Amount Received	Duration	Name of Co-ordinators
1.	Emission Characterization and Removal Studies of Hazardous Gaseous Pollutants at Domestic Heating Sources Using Novel Approaches of Functionalize Carbon Fiber-Based Materials	Science & Engineering Research Board (SERB)-DST	Rs. 79.9 Lakh	2023-2026	Prof. Shamsh Pervez & Dr. Indrapal Karbhal
2.	Fluorescence Resonance Energy Transfer (FRET) Pairs of Carbon Dots and Nanomaterials for Sensing and Imaging Applications	Science & Engineering Research Board (SERB), New Delhi	Rs. 50.26 Lakh	2023-2026	Dr. Manmohan Lal Satnami
3.	Development of Nanosensor for Detection of Harmful Microorganism and Chemical Substances from Food and Environmental Samples	Chhattisgarh Council of Science and Technology, Raipur	Rs. 4 Lakh	2023-2026	Prof. Kamlesh Kumar Shrivas

RESEARCH PAPER PUBLISHED
2016-2021

143

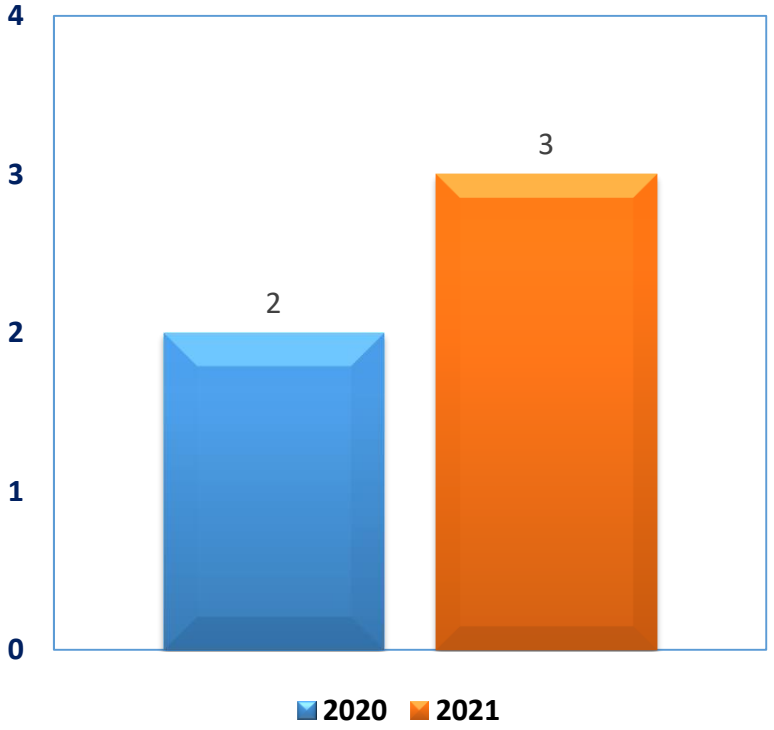




Book Chapter (2016-21)

5

Book Chapter Published

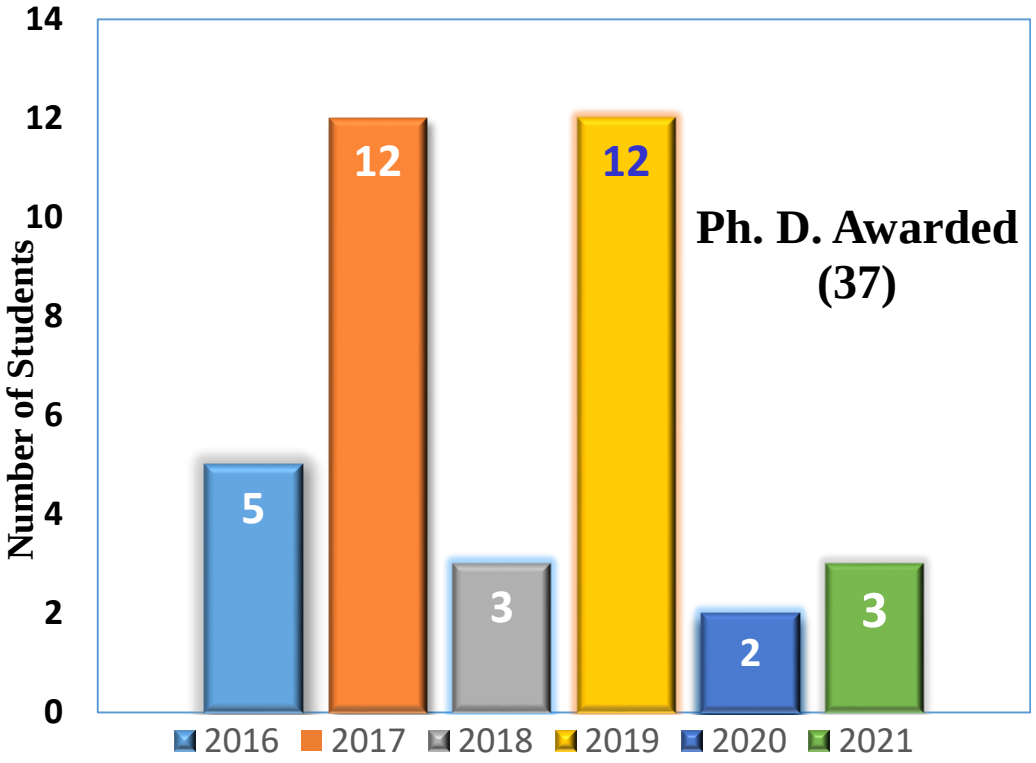


Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year wise during the last five year

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Dr. Kamlesh K. Shrivas	Multifunctional Hybrid Nanomaterials for Sustainable Agricultural Food and Ecosystem	Hybride nanomaterials as chemical sensors,	International	2020	Paperback ISBN: 9780128213544:eBook ISBN:9780128213599	Pt. Ravishankar Shukla University	Elsevier
2	Dr. Kamlesh K. Shrivas	Multifunctional Hybrid Nanomaterials for Sustainable Agricultural Food and Ecosystem	Degradation, removal and detection of pesticides using nanocomposites	International	2020	Paperback ISBN: 9780128213544:eBook ISBN:9780128213599	Pt. Ravishankar Shukla University	Elsevier
3	Dr. Manmohan L. Satnami	Nanosensor for Smart Manufacuring	Smart nanosensor: Design, Fabrication and application	International	2021	978-0-12-823358	Pt. Ravishankar Shukla University	Elsevier
4	Dr. Indrapal Karbhal	Electrospinning for advanced energy	Electrospun Carbon-Based Nanocomposites as Anode for Lithium Ion Batteries	International	2021	978-981-15-8843-3	Pt. Ravishankar Shukla University	Springer, Singapur
5	Dr. Indrapal Karbhal	Electrospinning for advanced energy	Electrospun Carbon-Based Nanocomposites as Anode for Lithium Ion Batteries	International	2021	978-981-15-8849-3	Pt. Ravishankar Shukla University	Springer, Singapur

Ph. D AWARDED : 37

(2016-2021)



	Prof. Kallol K Ghosh	
1.	Dr. Rahul Sharma	2016
2.	Dr. Arvind Kumar Sahu	2017
3.	Dr. Srishti Sinha	2017
4.	Dr. Toshikee Yadav	2017
5.	Dr. Jyotsna Swarn Rekha Lakra	2018
6.	Dr. Manoj Kumar Banjare	2019
7.	Dr. Reshma	2019
8.	Dr. Srishti Sharma	2021

	Prof. Manas Kanti Deb	
1.	Dr. Jayant Nirmalkar	2016
2.	Dr. Bhupendra Kumar	2017
3.	Dr. Swati Chandrawanshi	2019
4.	Dr. Ram Singh Kurrey	2019
5.	Dr. Swapnil Tiwari	2020
6.	Dr. Mithlesh Mahilang	2021

	Prof. Shamsh Pervez	
1.	Dr. Jeevan Lal	2017
2.	Dr. Shahina Bano	2019
3.	Dr. Madhuri Verma	2019
4.	Dr. Rakesh Kumar Sahu	2019

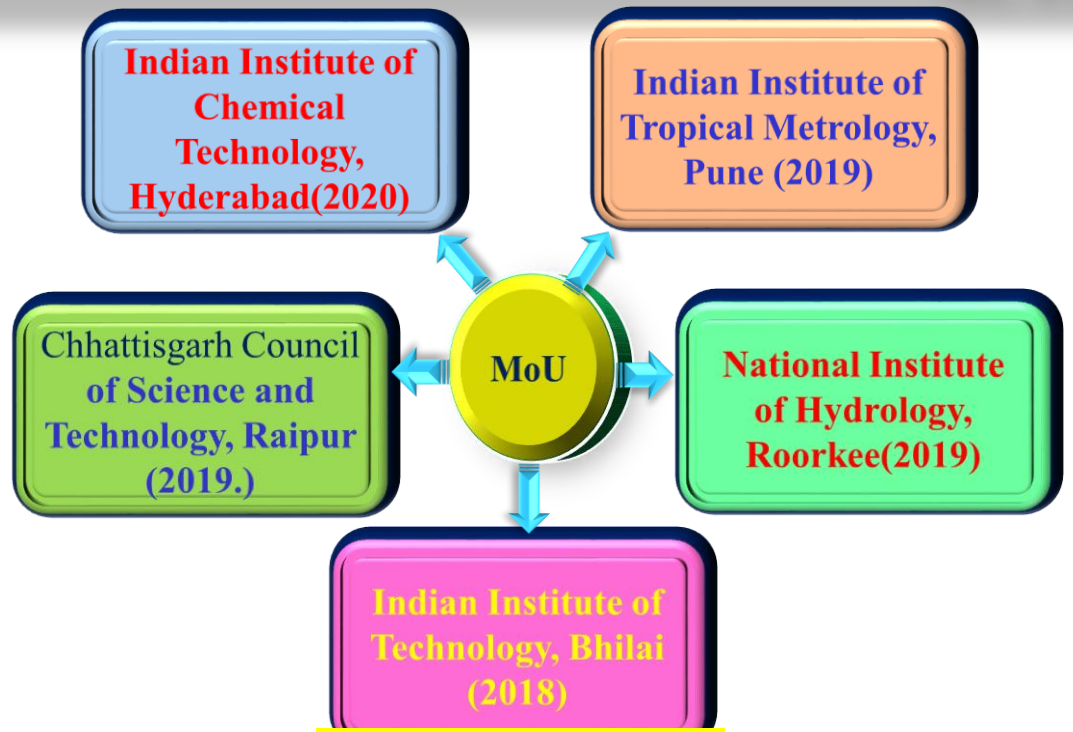
	Prof. Manish K Rai	
1.	Dr Vindhiya Patel	2016
2.	Dr. Raisa Khatoon	2017
3.	Dr. Mamta Nirmal	2017
4.	Dr. Kalpana Wani	2019
5.	Dr. Prashant Mundeja	2020

	Dr. Manmohan L. Satnami	
1.	Dr. Kumudini Chandrakar	2016
2.	Dr. Sandeep Vaishnav	2017
3.	Dr. Hitesh Dewangan	2017
4.	Dr. Neha Kandpal	2017
5.	Dr. Jyoti Korram	2019

	Prof. Rama Pande (Superannuated Faculty)	
1.	Dr. Rubi Khilari	2017
2.	Dr. Mamta Tripathi	2018
3.	Dr. Bharti Verma	2018
4.	Dr. Yamini Thakur	2019
5.	Dr. Rainy Agrawal	2019

	Prof. K.S. Patel (Superannuated Faculty)	
1.	Dr. Yaman Kumar Sahu	2021
	Prof. S.A. Bhoite (Superannuated Faculty)	
1.	Dr. Nisha Chhetri	2019

MoU/COLLABORATIONS FOR SCIENTIFIC RESEARCH AND ACADEMIC ACTIVITIES



2016-2021

- MoU with Indian Institute of Technology, Bhilai
- MoU made with Indian Institute of Tropical Metrology, Pune
- MoU between Indian Institute of Chemical Technology, Hyderabad
- MoU with Chhattisgarh Council of Science and Technology, Raipur
- MoU with National Institute of Hydrology, Roorkee
- Department of Environmental Engineering & Science, Chia Nan University, Taiwan
- National Metallurgical Laboratory, Jamshedpur
- Desert Research Institute, U.S.A.
- National Environmental and Engineering Research Institute, Nagpur

MOU With CSIR ,IICT Hyderabad 2020

MOU, IIT Bhilai 2018

CONFERENCES/WEBINAR ORGANIZED
2016-21

INTERNATIONAL CONFERENCE

1.	22th CRSI National Symposium in Chemistry & 12th Royal Society of Chemistry Symposium	February 1-4, 2018
2.	56th Annual Convention of Chemist & International Conference on Recent Trends in Chemical Sciences	November 14-16, 2019

NATIONAL CONFERENCE

3.	UGC-SAP (DRS-II) 1st National Conference on "Advances in Environmental & Chemical Sciences"	March 17-18, 2017
4.	UGC-SAP (DRS-II) 2nd National Conference on "Advances in Environmental & Chemical Sciences"	March 22-23, 2018
5.	Conference on "Recent Advances in Functional Nanomaterials: S. N. BOSE 125th Birth Anniversary"	September 28, 2018
6.	UGC-SAP (DRS-II) 3rd "Advances in Environmental & Chemical Sciences"	March 27-28, 2019

WEBINARS

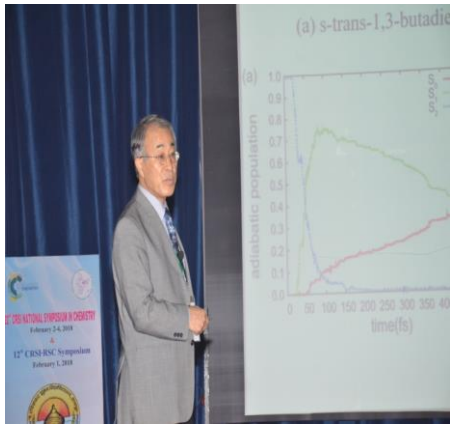
1.	CRSI Local Chapter National Webinar on "Chemical and Laboratory Safety"	November 7, 2020
2.	International Webinar on "Advances in Environmental and Chemical Sciences"	March 12-13, 2021

OTHER ACTIVITIES

1.	National Science Day Conference on Make in India: Science & Technology Driven Innovation	March 12, 2016
2.	National Science Day on "Science & Technology for Specially Abled Persons"	March 4, 2017

International Experts Delevered Lectures in Conferences/Seminar 2016-21

Prof. Kimitaka Kawamura, Japan **Prof. Daniel R. Talham, USA**

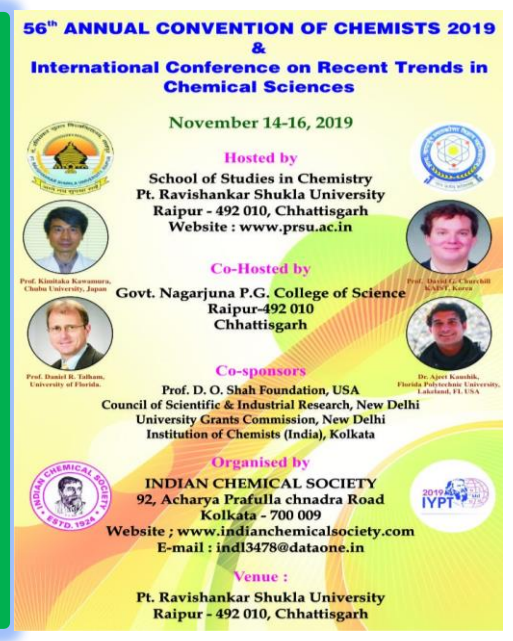


Prof. Kazuo Takatsuka, University of Tokyo, Japan

Prof. H. Morgan, UK

Dr. Clement Sanchez, College de France, Paris

Prof. C. N. Rao



STUDENT SELECTED IN NET/GATE/SET/INSPIRE

S.No.	Name	Qualified Exam	Year
1.	Swati Chandrawanshi	NET	2016-2017
2.	Tusarkant	NET, SET	2016-2017
3.	Srishti Sharma	INSPIRE	2016-2017
4.	Ajay Kumar Sahu	SET	2017-2018
5.	Princy Dugga	NET, SET	2017-2018
6.	Sonali Loya	NET, SET	2017-2018
7..	Shahina Bano	SET	2017-2018
8	Rakesh Kumar Sahu	SET	2017-2018
9.	Beeta Rani Khalkho	NET, SET	2017-2018
10.	Tarun Kumar Patle	NET, SET	2017-2018
11.	Rainy Agarwal	SET	2017-2018
12.	Monisha	NET	2017-2018
13.	Yamini Thakur	NET, SET	2017-2018
14.	Kalpana Wani	SET	2017-2018
15.	Manoj Kumar Banjare	NET	2017-2018
16.	Shippi Dewangan	SET	2017-2018
17.	Vibha Satpathi	SET	2017-2018
18.	Harvindar Singh Kurre	NET	2017-2018
19.	Yogyata Chaware	SET, INSPIRE	2017-2018
20.	Madhu	NET, SET, GATE	2018-2019
21.	Sanjay Yadav	NET	2018-2019
22.	Beena Sahare	NET, SET	2018-2019
23.	Ameet Kumar Sahu	SET	2018-2019
24.	Tikeshwari	NET	2018-2019
25.	Devyani Dahare	NET	2018-2019
26.	Mohnish Kumar	SET	2018-2019
27.	Richa Tembekar	SET	2018-2019
28.	Reena Suryawanshi	SET	2019-2020
29.	Shailesh Singh	SET	2019-2020
30.	Kundan Singh Wasnik	NET	2019-2020
31.	Ankita Beena Kujur	NET	2019-2020
32.	Umasharan Sahu	NET	2019-2020
33.	Devendra Parganiha	NET	2019-2020
34.	Bhagwat Ram	NET, GATE	2019-2020
35.	Namrata Tamboli	SET	2019-2020
36.	Dev Singh	SET	2019-2020
37.	Preeti Kispotta	SET	2020-2021
38.	Subhash Kumar	GATE	2020-2021
39.	Mohar Singh	GATE	2020-2021

NET	22
SET	24
GATE	07
INSPIRE	02

Our 33 Students Selected in CGPSC-2021: Assistant Professor

Vinayak

Shippi Dewangan

Vibha Satpathi

Bhagwat Ram

Sonali Loya

Varsha Chandrakar

Mithilesh K. Gupta

Vandana Yadaw

Vandana Mishra

Ameet Sahu

Tushar Kant

Swati Chandrawanshi

Harvindar Singh Kurre

Tula Ram

Neelam

Khilawan Patel

Mukesh Patel

Bhola Ram

Bhupendra Singh

Nitesh Thakur

Yamini Thakur

Princy Dugga

Preeti Kispotta

Meenaxi Bhagat

Madhu

Dev Singh

Beeta Rani Khalkho

Rakesh K. Sidar

Tikeshwari

Sumar R Tirkey

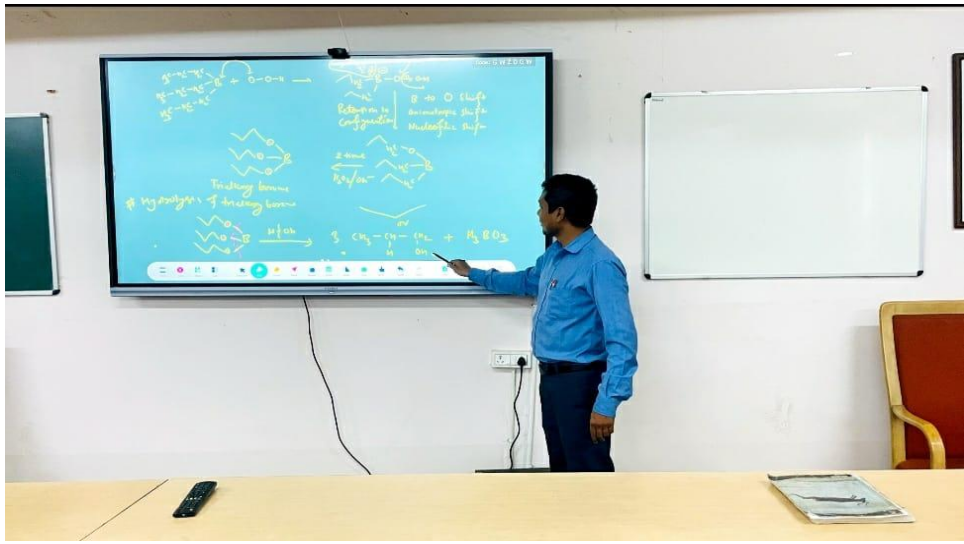
Kaushilya Mannewar

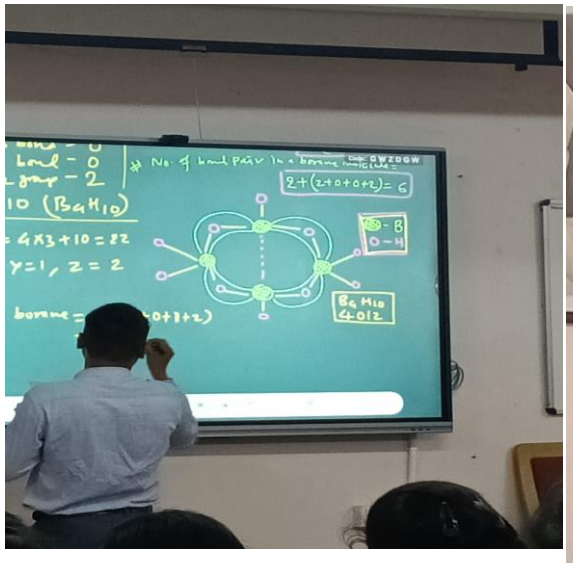
Santosh Kumar Dahariya

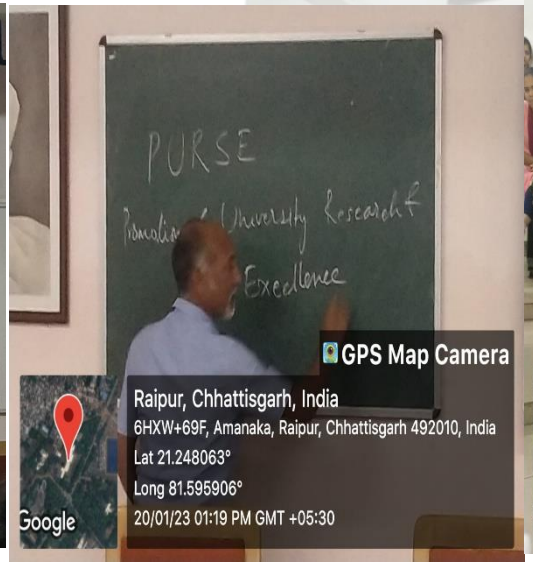
Shailendra Singh

INFRASTRUCTURE & LEARNING RESOURCES

- 2 Class Rooms
- 1 Seminar Hall
- 4 Laboratories
- 8 Research Labs
- 3 Smart Boards
- 1 Computer Lab
- ICT Facilities
- Wi-Fi enabled







M. Sc. LAB & COMPUTER LAB

SOPHISTICATED EQUIPMENT IN THE DEPARTMENT

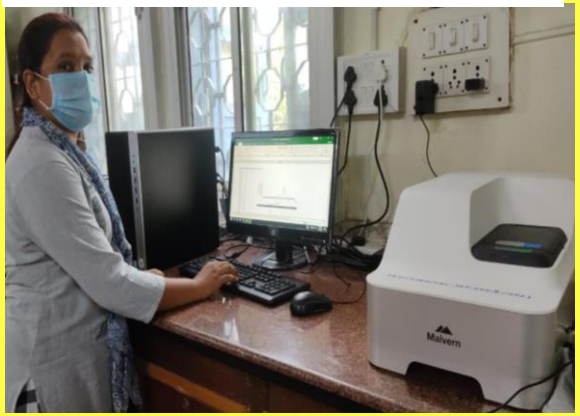
TD-GC-MS/MS-ECD-FID

Atomic Absorption Spec.

UV-Visible Spectroscopy

DRS/ATR-FTIR

DLS (Malvern Model)

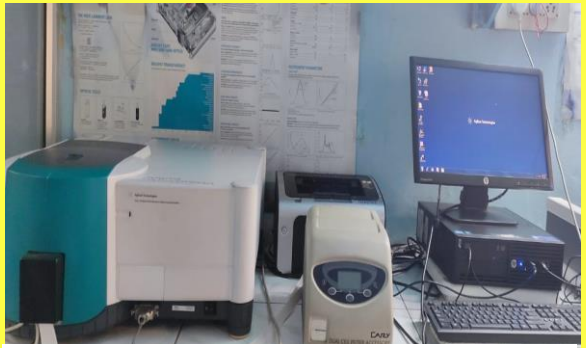


Electrochemical Workstation

CHSN/O Analyser

Ion Chromatography

Automatic Surface Tensiometer
KYOWA DY-300



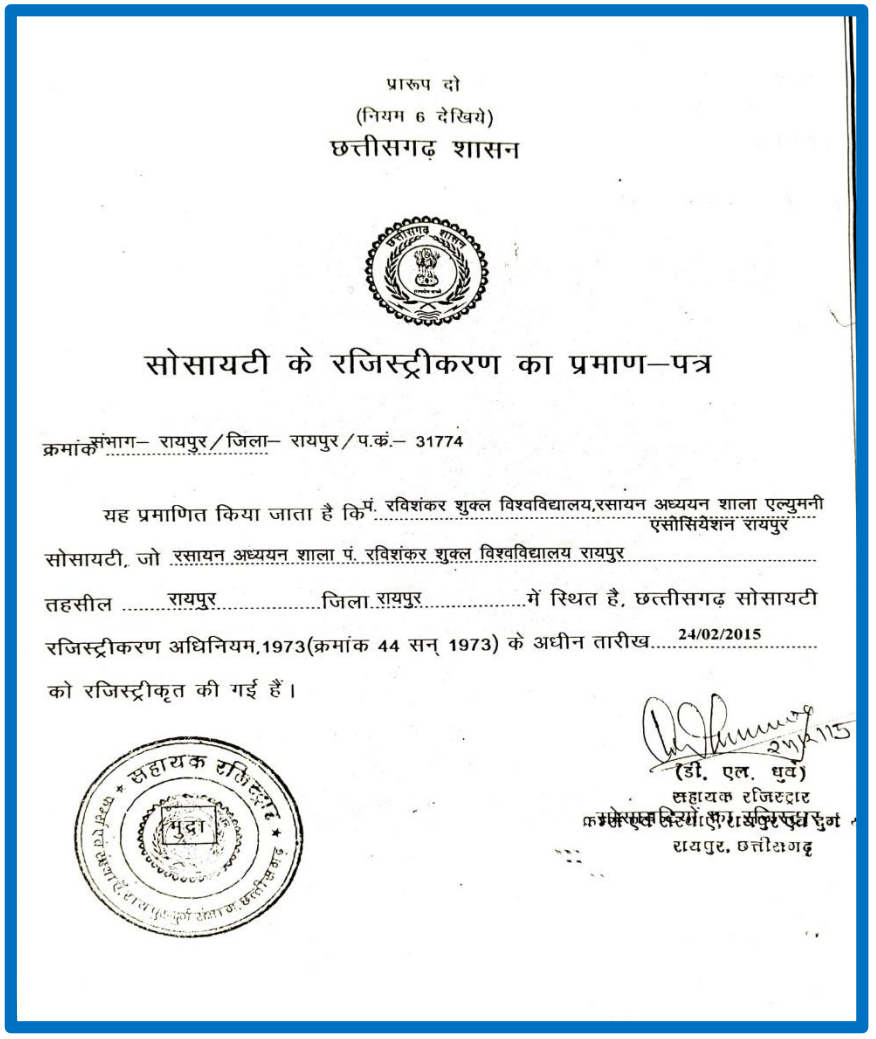
Fluorescence Spectrophotometer

HPLC

Facilities (Major Equipment)

- TD-GC-MS/MS-ECD-FID
- GF-AAS, V-AAS, F-AAS
- DRS/ATR -FTIR
- HPLC
- Fluorescence Spectrophotometer
- Fluorescence Microscope
- UV-Vis Spectrophotometer
- Tube Furnace and Refrigerated Mega Centrifuge
- Ion Chromatography
- C, H, S, N/O Analyzer
- Microwave Digestion System
- UV-Visible Spectrophotometer with Integrated Sphere
- Tensiometer
- Zeta Potential Analyser
- Electrochemical Workstation

Departmental Alumni Meet



प्रारूप दो
(नियम 6 देखिये)
छत्तीसगढ़ शासन

सोसायटी के रजिस्ट्रीकरण का प्रमाण–पत्र

क्रमांक संभाग– रायपुर/जिला– रायपुर/प.कं.– 31774

यह प्रमाणित किया जाता है कि पं. रविशंकर शुक्ल विश्वविद्यालय,रसायन अध्ययन शाला एल्युमनी एसोसियेशन रायपुर सोसायटी, जो रसायन अध्ययन शाला पं. रविशंकर शुक्ल विश्वविद्यालय रायपुर तहसील रायपुर जिला रायपुर में स्थित है, छत्तीसगढ़ सोसायटी रजिस्ट्रीकरण अधिनियम,1973(क्रमांक 44 सन् 1973) के अधीन तारीख 24/02/2015 को रजिस्ट्रीकृत की गई हैं।

सहायक रजिस्ट्रार मुद्रा

(डी. एल. ध्रुव)
सहायक रजिस्ट्रार
सोसायटी रजिस्ट्रीकरण कार्यालय
रायपुर, छत्तीसगढ़

Previously Held: 23/02/2019 & 19/01/2020


अखिल भारतीय


22nd
mposium

Green and Clean Campus









Clean and Green Campus Day (01/09/2017) during Swachhta Pakhwada at School of Studies in Chemistry

Independence Day Celebration and Swachh Bharat Abhiyan Photos

Other Curricular Activities

A Department of Science & Technology Initiative

INSPIRE INTERNSHIP CAMP

Aug 6-10, 2019

: Organized by :

Pt. Ravishankar Shukla University

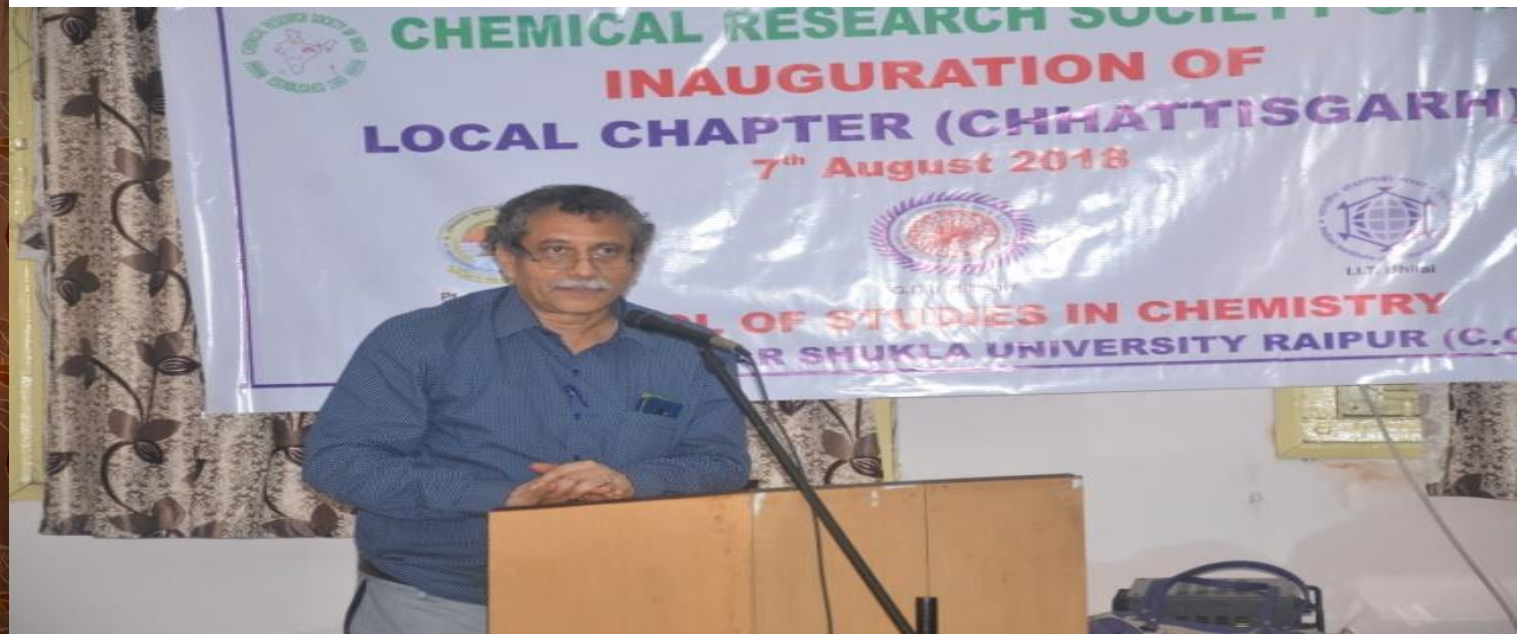
Raipur, Chhattisgarh

19th. CAMP

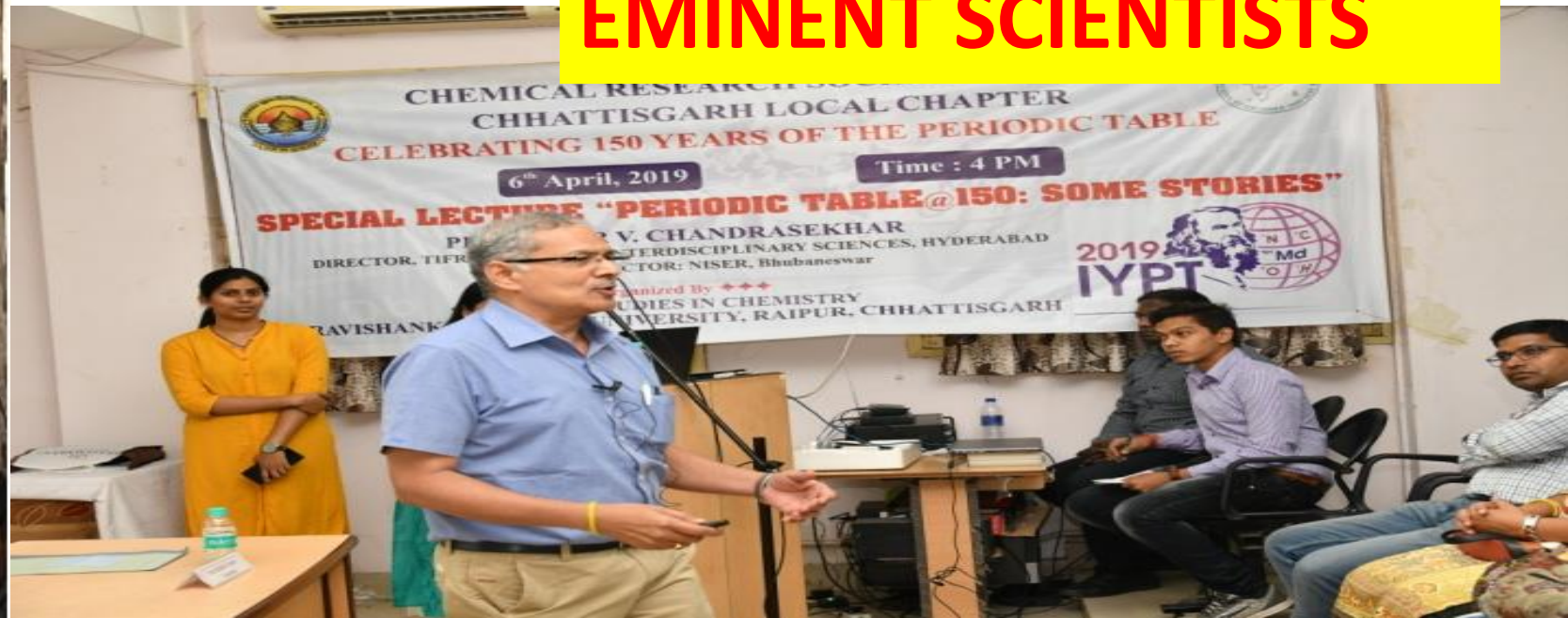
1st. Camp June 2010

14

LOCAL CHAPTERS OF TWO LARGEST CHEMICAL SOCIETIES : CRSI & ICS



EXPOSING THE STUDENTS TO EMINENT SCIENTISTS



Strengths…

- Outstanding Research in Front Line Areas of Chemical & Environmental Sciences
- Publications in National and International Journals with high impact factor
- Regular Receipient Extra-Mural Research Projects
- DST/FIST and UGC SAP Sponsored Department
- National and International Collaborations
- Good Governance and Transperancy through Staff Council

Weaknesses…

- Recruitment of Vacant Fculty Positions
- More Advancement in the Experimental Laboratories
- To provide advanced training program for technical personnel involved with sophisticated chemical instruments
- Consultancy/ Patents / Industry Linkage are Lacking

Opportunities…

- Availability of database related to Air Quality Monitoring and Analysis in mineral based coal-fired industrial region
- Hands-on training program on sophisticated analytical equipments viz. Atomic absorption spectrophotometer, FT-Infra red spectrometer, AAS, GCMS, HPLC etc.
- To address the environmental policies of state and national importance

Challenges…

- Establishment of non-profit Environmental/Food & Drug adulteration analysis and research laboratory
- Establishment of Strong Aacademic-Industry Linkages
- Creation of Research Culture among the students and Strengthen Scientific Social Responsibility
- To Inculcate Enterprenureship and Skills in Students

THANK YOU