



Department of Chemistry

Acharya Narendra Dev College

University of Delhi

Year of Establishment: 1992

No. of Courses offered

- B.Sc. (H) Chemistry
- M.Sc. Chemistry
- Ph.D. Chemistry

Interdisciplinary courses:

- B.Sc. Life Sciences
- B.Sc. Physical Sciences with Chemistry

Different Streams of B.Sc. (H) Chemistry-

- **Physical Chemistry**
- **Inorganic Chemistry**
- **Organic Chemistry**

**Teacher-in-charge (Chemistry)
2020-2022**

Dr. Dinesh Kumar Arya



Teaching Faculty in Chemistry Department

Associate Professor- 08;

Assistant Professor - 07

- Dr. Sunita Hooda
- Dr. Seema Gupta
- Dr. Pooja Bhagat
- Dr. Shallu Sachdeva
- Dr. Rashmi Thukral
- Dr. Neeti Misra
- Dr. Manisha Jain
- Dr. Neelu Dheer
- Dr. Geetu Gambhir
- Dr. Dinesh Arya
- Dr. Vikrant Atri
- Dr. Pankaj Khanna
- Dr. Pragti Malik
- Dr. Kavita Mittal
- Namonarayan Meena

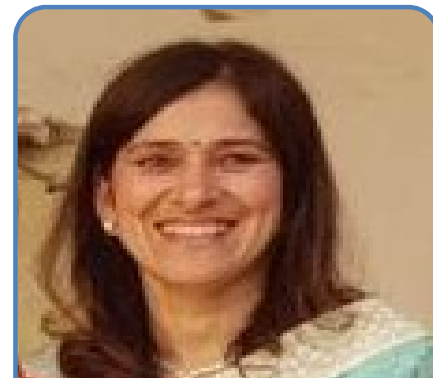
Faculty - Physical Chemistry



Dr. Sunita Hooda



Dr. Neeti Misra



Dr. Neelu Dheer

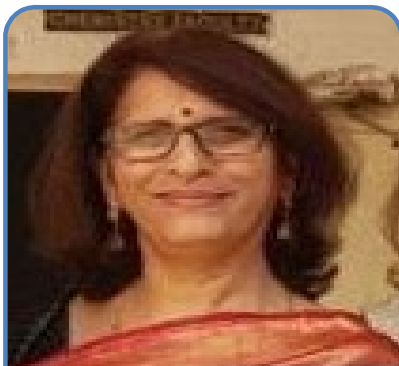


Dr. Pragti Malik



**Namo Narayan
Meena**

Faculty Inorganic Chemistry



**Dr. Seema
Gupta**



**Dr. Shallu
Sachdeva**



**Dr. Manisha
Jain**



**Dr. Dinesh
Kumar Arya**



**Dr. Vikrant
Attri**

Faculty Organic Chemistry



**Dr. Pooja
Bhagat**



**Dr. Geetu
Gambhir**



**Dr. Pankaj
Khanna**



**Dr. Rashmi
Thukral**



**Dr. Kavita
Mittal**

Non Teaching staff -10

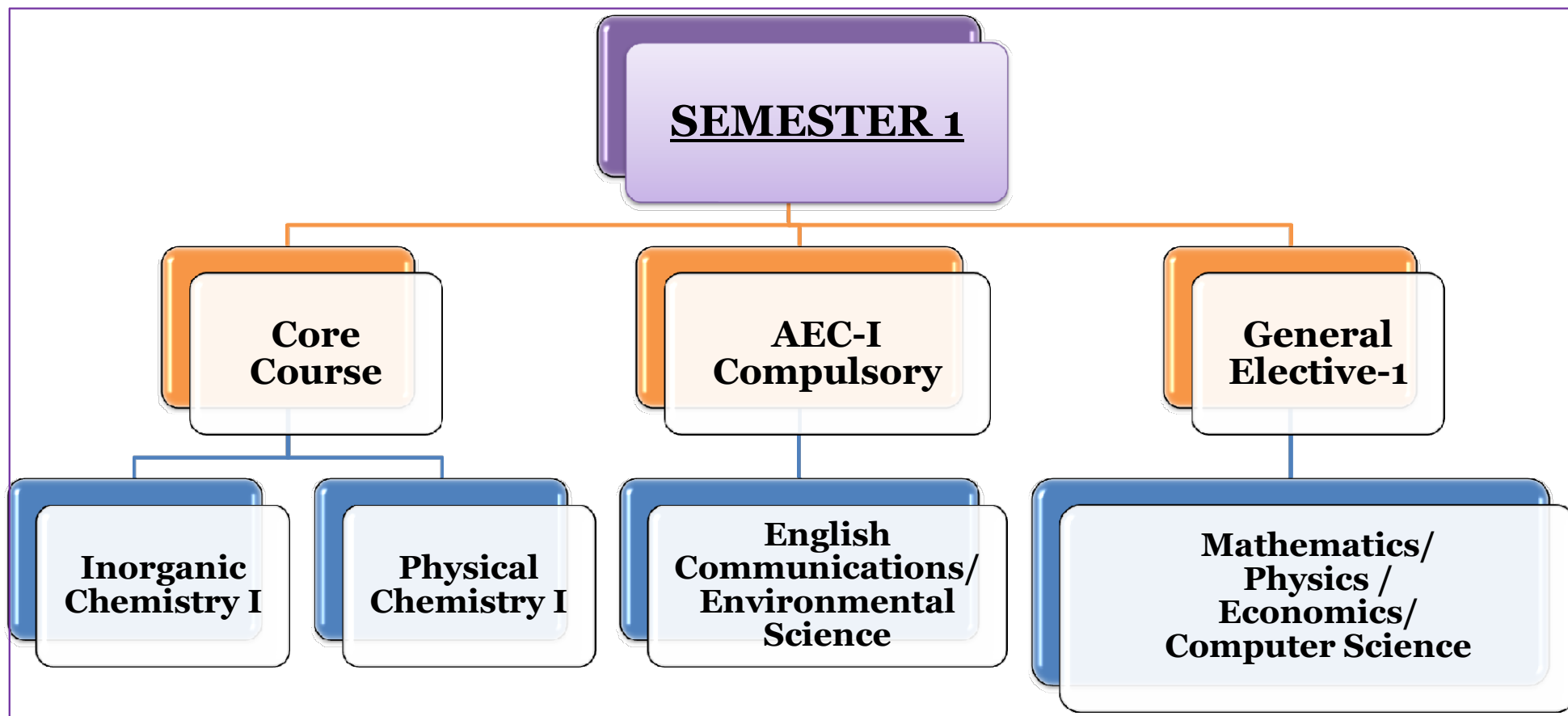
- Ram Nivas
- Lalit Pandey
- Rajesh
- Rajpal
- Anand
- Ram Kumar
- Devender
- Kavita Yadav
- Rajeev
- Amarjeet

Semester wise Core Courses and Credit Distribution

CORE COURSES –14 (six credits each) – Each course has 4 Periods/week for Theory, 4 Periods/week for Practical			
SEMESTER	COURSE CODE	NAME OF THE COURSE	CREDITS T=Theory Credits P=Practical Credits
I	CHEMISTRY – C I	Inorganic Chemistry I:Atomic Structure & Chemical Bonding	T=4 P=2
I	CHEMISTRY – C II	Physical Chemistry I:States of Matter & Ionic Equilibrium	T=4 P=2
II	CHEMISTRY – C III	Organic Chemistry I:Basics and Hydrocarbons	T=4 P=2
II	CHEMISTRY – C IV	Physical Chemistry II:Chemical Thermodynamics and its Applications	T=4 P=2
III	CHEMISTRY – C V	Inorganic Chemistry II:s- and p-Block Elements	T=4 P=2
III	CHEMISTRY – C VI	Organic Chemistry II:Halogenated Hydrocarbons and Oxygen Containing Functional Groups	T=4 P=2
III	CHEMISTRY – C VII	Physical Chemistry III:Phase Equilibria and Electrochemical Cells	T=4 P=2
IV	CHEMISTRY – C VIII	Inorganic Chemistry III:Coordination Chemistry	T=4 P=2
IV	CHEMISTRY – C IX	Organic Chemistry III:Nitrogen containing functional groups, Polynuclear Hydrocarbons, Heterocyclic Chemistry, Alkaloids and Terpenes	T=4 P=2
IV	CHEMISTRY – C X	Physical Chemistry IV: Conductance & Chemical Kinetics	T=4 P=2
V	CHEMISTRY – C XI	Organic Chemistry IV: Biomolecules	T=4 P=2
V	CHEMISTRY – C XII	Physical Chemistry V: Quantum Chemistry & Spectroscopy	T=4 P=2
VI	CHEMISTRY – C XIII	Inorganic Chemistry IV: Organometallic Chemistry & Bioinorganic Chemistry	T=4 P=2
VI	CHEMISTRY – C XIV	Organic Chemistry V: Spectroscopy & Applied Organic Chemistry	T=4 P=2
Credits: 14× 6 = 84			

Choice Based Credit System (CBCS)

Syllabus Layout



SEMESTER 2

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graph TD; S2[SEMESTER 2] --> CC[Core Course]; S2 --> AEC[AEC-II Compulsory]; S2 --> GE[General Elective-2]; CC --> OC[Organic Chemistry I]; CC --> PC[Physical Chemistry II]; AEC --> ECS[English Communications/Environmental Science];
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Core Course

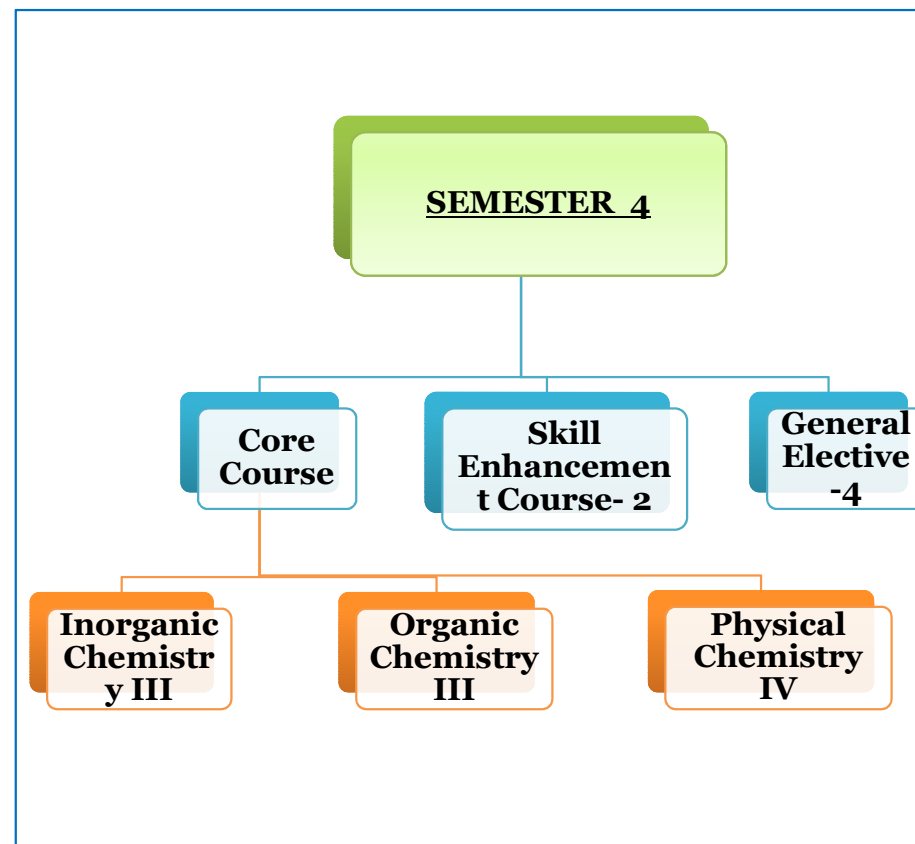
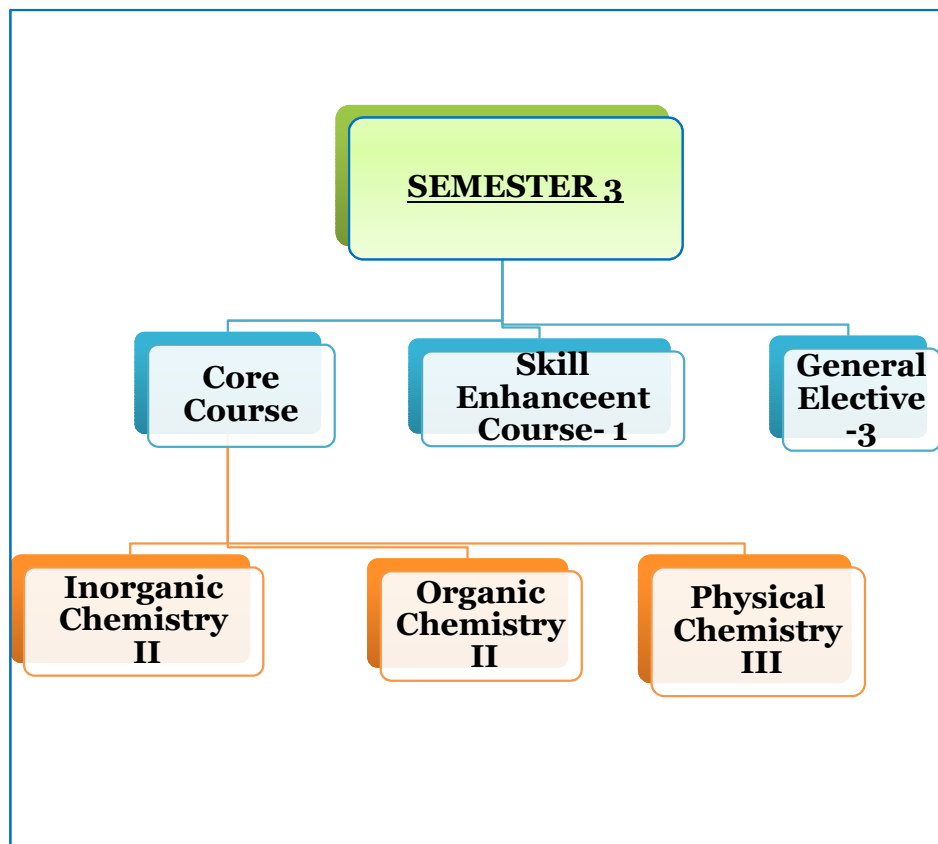
AEC-II Compulsory

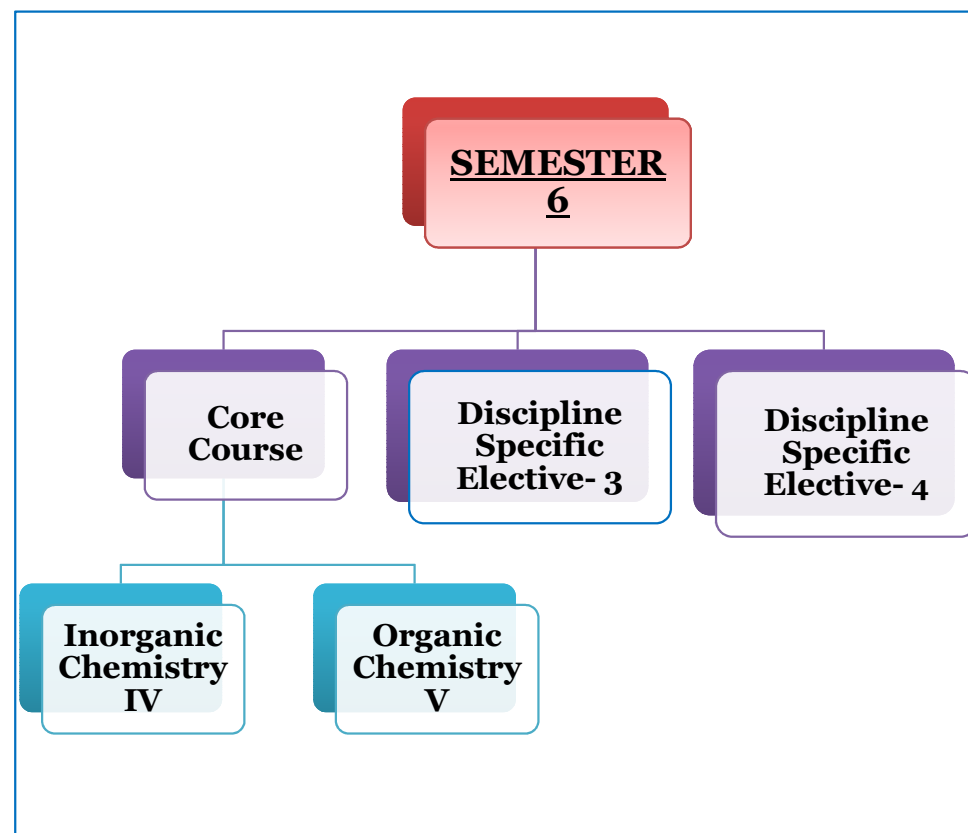
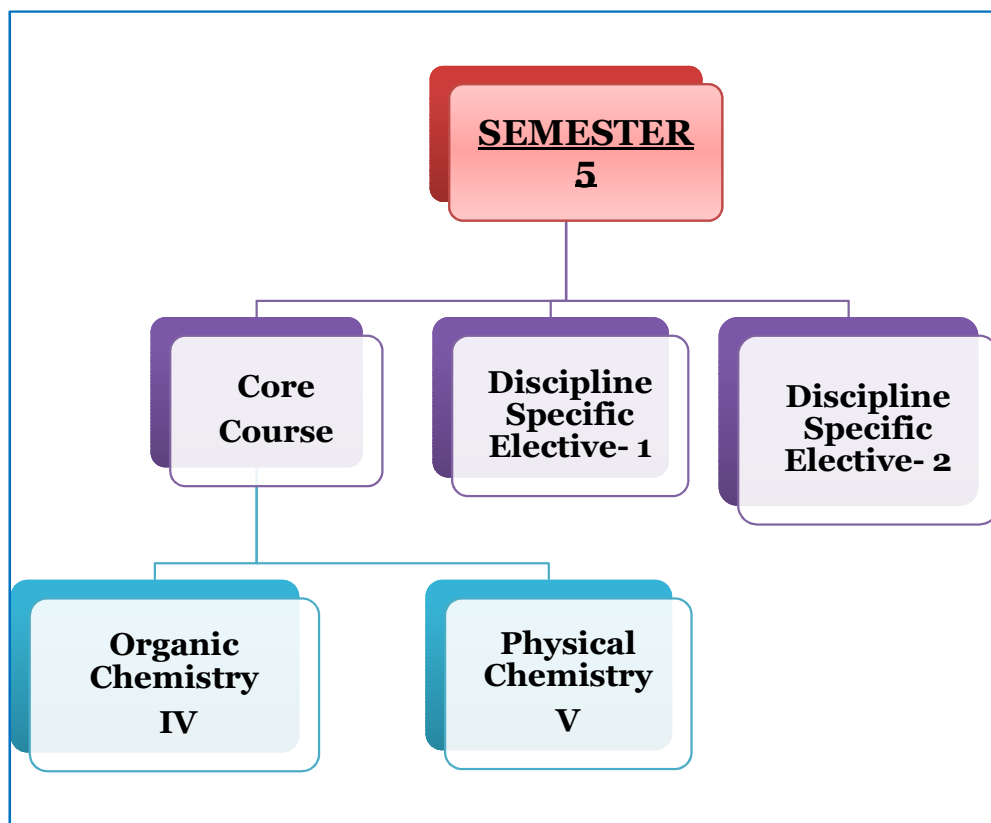
General Elective-2

Organic Chemistry I

Physical Chemistry II

English Communications/Environmental Science





Teaching methods adopted to improve student learning:

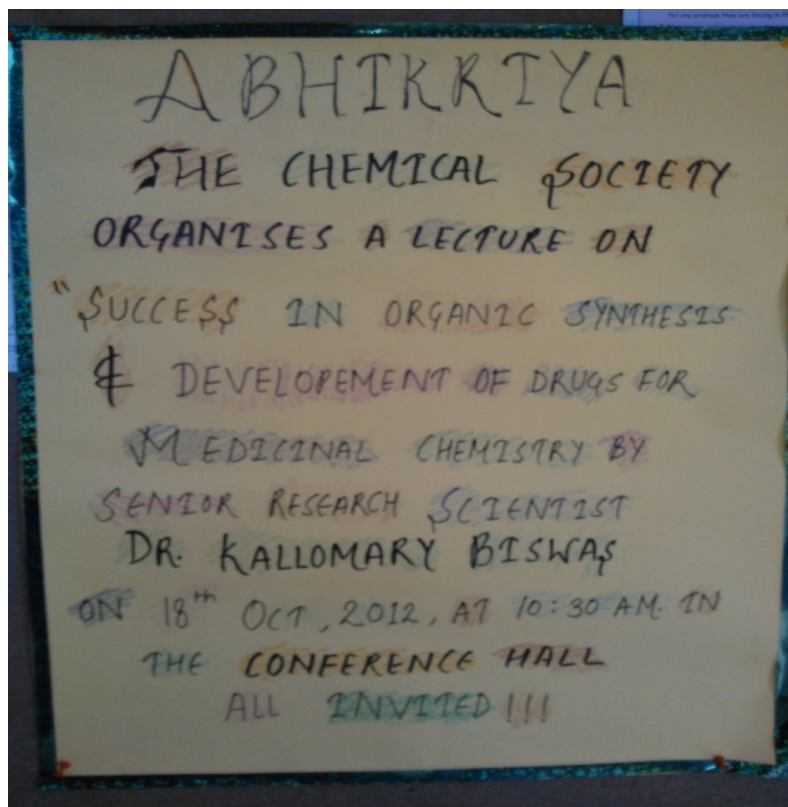
Methods: Chemistry department can easily boast of using the best and the latest scientifically proven methodologies to improve the learning process in students. The most popular methods used are:

1. Interactive sessions in the classroom rather than one way imparting of information.
2. Presentations by students on various topics of their choice to develop immense confidence in public presentations.
3. Group Discussions and debates to develop an understanding of a subject rather than rote learning.
4. Use of models to explain topic like stereochemistry, bonding, structure of solids etc.

Co-curricular Activities

- Chemistry Department's Society – *Abhikriya*
- **Abhikriya- 2020 (Convenor – Dr. Sunita Hooda)**
- We conduct polling to elect President, Secretary & Treasurer of Abhikriya.
- The Chemistry society provides a platform to students to demonstrate their skills beyond the classroom
- The society is involved in organizing many activities
 - Freshers welcome party
 - Annual Departmental Fest '**SYNERGIA**',
 - Excursion trip
 - Farewell Party
 - Seminars
 - Lectures
 - Quizes

The Chemical Society - ABHIKRIYA



- All students of Chemistry (H) are members of it.
- Activities involved like paper presentations, quizzes, posters, discussions, etc. related to chemistry.
- Develops a passion for the subject
- Encourages students to pursue Chemistry for higher studies.

ACHARYA NARENDRA DEV COLLEGE (UNIVERSITY OF DELHI)

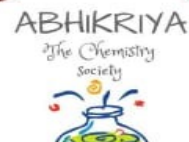


ABHIKRIYA

THE CHEMISTRY SOCIETY
Under aegis of
DBT STAR COLLEGE SCHEME
presents



COLLEGE



SYNERGIA'20

MONDAY, 24 FEBRUARY 2020

GULLY
CRICKET



WORD'S
WORTH



CHEMYSTERY
HUNT



INQUIZITORS



CONTRIVANCE



PAPER
PRESENT-
ATION



nearest metro
GOVINDPURI

FOR REGISTRATIONS AND QUERIES

Dr. PANKAJ KHANNA
(TEACHER CONVENOR)
9818009250

Md. ZEESHAN
(PRESIDENT)
9504988932

DEVANSH
(SECRETARY)
9354738261

MITI
(TREASURER)
85108 30589

EVENT SPONSOR



ATTRACTIVE
PRIZES



ABHIJIT

ABHICHTRA

ABHIVYAKT

ABHIVYANG



Lectures organised by **Abhikriya** (2019-2020)

- Prof. Dhananjay V. Gadre, NSUT, on “Tinkering for Scientists,”, on 13th February 2019
- Dr Nidhi Sandal, Additional Director and Scientist E, INMAS DRDO (Patents), 7th November, 2019
- Dr Arul George Scaria, Assistant Professor, National Law University (Copyright), 7th November, 2019
- Mr Ravi Chadha, Partner Trademarks- Rahul Chaudhry & Partners (Trademarks), 7th November, 2019
- Dr Rajkumar Halder, CEO and Founder, Ruhvenile Biomedical OPC, on “Biodegradable plastic from Biomaterial...Waste to wealth and beyond”. 24th February 2020

Research activities under the mentorship of Chemistry Faculty

- **Doctoral Research (PhD)**

- Dr. Sunita Hooda (Polymer Research Lab, 1 student is awarded by doctoral degree, 4- students are currently pursuing PhD)
- Dr. Seema Gupta (Chemical Biology Laboratory)
- Dr. Vikrant Kumar Attri (Research laboratory of Inorganic Chemistry)

- **Undergraduate Research**

- Star Project
- Innovation Project
- Project funded by other agencies
- Elite Project (Summer project)

Star Projects 2017-18

S.No.	Project Title	Teachers Involved	Students Involved
1.	Biological nutrient removal (BNR) of waste water pollutants using Micro Organisms	Dr. Vandana Uberoi (Chemistry); Dr. Charu K. Gupta (Botany) Dr. Ravi Toteja (Zoology)	Sibaram Sadangi BMS 3rd Sem, Vikas Shukla BMS 3rd Sem., Vrinda LS 3rd Sem, Akash LS 3rd Sem, Shubham Kumar Dubey LS 5 sem, Subhojit Mitra LS 5 sem, Saranya Nair Botany Sem V, Mahima Pundir Chemistry Sem V, Dipin Tomar Chemistry Sem V, Vaibhav Srivastva Chemistry Sem V, Rajan Mishra Chemistry Sem V
2.	Effect of Industrial Chemicals in the four important rivers and its tributaries of India	Dr. Vandana Uberoi (Chemistry); Dr. Sunita Hooda (Chemistry) Dr. Sunita Narang (Computer Science)	Chem Hons Sem III, Antim Rani, Anu Malik, Piyush Kumar, Megha Tanwar, Utkarsha Sharma, Computer Sciences, Deepanshu, Divyanshu, Praveen Kumar, Nimish
3.	Application of magnetic chitin composites for the removal of Toxic Metal and Organic Dyes From Industrial Effluents.	Dr. Sunita Hooda, Chemistry Dr. Geetu Gambhir, Chemistry Dr. Sarita Kumar, Zoology	Ravina Yadav, Chem (H) III Sem., Heena Malik, Chem (H) III Sem., Aniket, Chem (H) III Sem., Mariyam, Chem (H) III Sem., Monika, Chem (Hons.) III Sem., Akarsh Pandey, Chem (Hons) I Sem, Tanuja Sharma Zoo (Hons), Senjuti Sengupta Zoo (Hons), Partho Proteem Das Zoo (Hons). Akshit Chauhan Zoo (Hons)
4.	Synthesis, Characterization of various metal sulfide nanoparticles with different precursors and stabilizing agents and their applications	Dr. Seema Gupta Chemistry Dr. Gagan Dhawan BMS	Nitish Kumar BMS Sem V, Priya BMS Sem V, Saurabh Aggarwal BMS Sem V, Deepanshi BMS Sem V, Mani Gupta BMS Sem III, Chinmay Gupta Chem Sem III, Priya Yadav Chem Sem III, Harsh Vardhan Chem sem I, Swarnanil Chem Sem I, Shagun LS Sem V, Disha BMS Sem V

ELITE Projects 2016-2017

S. No.	Title of the Project	Mentor/s
1.	Synthesis and characterization of zinc sulfide, lead sulfide and copper sulfide nanoparticles by chemical precipitation method	Dr. Seema Gupta and Dr. Gagan Dhawan
2.	Preparation of bioactive styryl coumarins for the study of its fluorescent property	Dr. Sunita Hooda and Dr. Geetu Gambhir
3.	Synthesis of different transition metal sulfides nano particles by different methods on the basis of capping agents	Dr. Gagan Dhawan and Dr. Seema Gupta
4.	Synthesis of zinc sulphide and lead sulphide nano particles using EDTA and PVA as capping agents and their characterization	Dr. Gagan Dhawan and Dr. Seema Gupta
5.	Identification of TCCS (the chosen crustacean species) and study of the molecular mechanism of its haemoglobin gene expression	Dr. Sarita Kumar and Dr. Geetu Gambhir
6.	Synthesis and characterization of gold nanoparticles (AuNP)	Dr. Gagan Dhawan and Dr. Seema Gupta
7.	Determination of some soft drink constituents and contamination by some heavy metals	Dr. Sunita Hooda and Dr. Geetu Gambhir
8.	Isolation and identification of <i>Caenorhabditis elegans</i>	Dr. Sarita Kumar and Dr. Geetu Gambhir
9.	Gut bacteria–symbiotic association with gut of <i>Eisenia fetida</i>	Dr. Sarita Kumar and Dr. Geetu Gambhir
10.	Synthesis & characterisation of CuS nanoparticle & calculation of its band gap energy	Dr. Gagan Dhawan and Dr. Seema Gupta
11.	Chemical analysis of soil	Dr. Sunita Hooda and Dr. Geetu Gambhir
12.	Mannich reaction: A one-pot three-component reaction catalysed by Ruthenium (II)-chlorido-dimethyl sulfoxide, [RuCl ₂ (DMSO) ₄]	Dr. Vikrant Kumar

ELITE Projects 2017-2018

S. No.	Title of the Project	Mentor/s
1.	Adsorption of Heavy Metals on EDTA -Functionalized Chitin	Dr Sunita Hooda and Dr Geetu Gambhir
2.	Adsorption of Organic Dyes on EDTA -Functionalized Chitin	Dr Sunita Hooda and Dr Geetu Gambhir
3.	Spectrophotometric Studies of Turmeric Extracts and Review of its Medicinal Properties	Dr Pankaj Khanna, Dr Neeti Misra and Dr Leena Khanna
4.	Synthesis of Some Heterocyclic Compounds and a Review on Benzimidazole Synthesis	Dr Pankaj Khanna, Dr Shallu Sachdeva and Dr Leena Khanna
5.	Synthetic Fabrication and Optimisation of Gold Nanoparticle for the Development of Fluorescence Based Sensors	Dr Seema Gupta
6.	Hindon River : Effect of Industrial Chemicals	Dr Vandana Uberoi
7.	Yamuna River and its Tributaries: Pollution Caused by Industrial Effluents	Dr Vandana Uberoi
8.	Green Synthesis and Characterization of ZnS Nanoparticles	Dr Seema Gupta
9.	Synthesis of CdTe Quantum Dots and its Application in Metal Detection	Dr Seema Gupta
10.	Green and Low Cost Synthesis and Characterisation of ZNS Nanoparticles	Dr Seema Gupta
11.	To Study the Effect of Zein nanoparticles on Candida albicans	Dr Seema Gupta

ELITE PROJECTS 2018-2019

S.No.	Title of the Project	Mentor/s
1.	Study and extraction of medicinally important plant <i>S. chirata</i> & examination of chemical adulteration in food items	Dr Pankaj Khanna, Dr Kavita Mittal and Dr Neeti Misra
2.	Green Synthesis, Characterization and Biological evaluation of metallic nanoparticles	Dr Gagan Dhawan and Dr Seema Gupta
3.	Nanoparticle synthesis and their physicochemical characterization	Dr Seema Gupta and Dr Gagan Dhawan
4.	Antibacterial activity of different solvent extracts obtained from leaves of <i>Aeglemarmelos</i> (L.) Corr.	Dr Archana Pandey ; Dr Satendra Singh and Dr Sunita Hooda
5.	Bactericidal activity of seeds extracts of <i>Aeglemarmelos</i> (L.) Corr.using minimum inhibitory concentration and disc diffusion assay	Dr Archana Pandey ; Dr Satendra Singh and Dr Sunita Hooda
6.	In vitro antibacterial activity of bark extract of <i>Aegle marmelos</i> (L.) Corr. against gram positive and gram negative bacterial strains	Dr Archana Pandey ; Dr Satendra Singh and Dr Sunita Hooda
7.	Antibacterial properties of <i>Aeglemarmelos</i> (L.) Corr. fruit pulp extracts prepared in different organic solvents, (2019)	Dr Archana Pandey ; Dr Satendra Singh and Dr Sunita Hooda

ELITE PROJECTS 2019-2020

S. No.	Title of the Project	Mentor/s
1.	Modification of Graphene oxide using polysaccharide for water purification (2019),	Dr. Geetu Gambhir, Dr. Sunita Hooda
2.	EFFECT ON SONICATION ON GRAPHENE OXIDE (GO) (2019)	Dr. Geetu Gambhir, Dr. Sunita Hooda
3.	Improved Hummer's method formulates Graphene oxide corollary of temperature on Graphene oxide.	Dr. Geetu Gambhir, Dr. Sunita Hooda
4.	EFFECT OF SONICATION ON GRAPHITE (2019)	Dr. Geetu Gambhir, Dr. Sunita Hooda
5.	To extract the colored component of Hibiscus Rosa-Sinensis flower and study its potency as a pH indicator	Dr. Pankaj Khanna, Dr. Neeti Misra & Dr. Kavita Mittal
6.	i) Detection of adulterants in milk from different sources, ii) Synthesis of metal complexes of Schiff's bases using Sonication	Dr. Pankaj Khanna, Dr. Neeti Misra & Dr. Kavita Mittal
7.		

- The Department actively participates in various National and International **Seminars/Conferences/Workshops** organized by the college. Few of them are:

S.No.	Seminars/ Conferences/Workshops organized	Faculty	Source of Funding
A. National			
1.	National Conference on Redefining Science: Future of Education at University of Delhi, South Campus, New Delhi (7-9 March, 2013).	Dr. Seema Gupta Dr. Pooja Bhagat	UGC
2.	National Seminar on Teaching Redefined: Open Access to Education, held at ANDC (1st Nov 2011).	Dr. Manisha Jain	Organised by Acharya Narendra Dev College. Sponsored by INASP, UK
3.	National Symposium on Chemistry in Biology: The Future of Life Science at India International Center, New Delhi (12-13 February, 2010).	Dr. Seema Gupta, Dr. Pooja Bhagat, Dr. Neeti Mishra, Dr. Manisha Jain	DST, UGC, CSIR, ICMR
4.	National Symposium on Biotechnology: Expanding Horizons at Indian National Science Academy, New Delhi (17-18 October, 2003).	Dr. Seema Gupta, Dr. Pooja Bhagat	DST, UGC, CSIR, DBT

Continued....

S. No.	Seminars/Conferences/Workshops organized	Faculty	Source of Funding
B. International			
5.	International Conference on Open Paradigms in Education, OPEN 2011 (31 Jan-2 Feb 2011).	Dr. Neeti Misra, Dr. Manisha Jain	Acharya Narendra Dev College.
C. University and College level			
6.	"Easy Now Techniques: A workshop on multimedia content development" in the college held (4-7 May, 2010).	Dr. Neeti Misra, Dr. Manisha Jain, Dr. Pankaj Khanna	Acharya Narendra Dev College
7.	Two day workshop on "Application of Free/Open Source Software (FOSS) In Science Teaching and Research" in the college (14-15 April, 2010).	Dr. Neeti Misra and Dr. Pankaj Khanna	Acharya Narendra Dev College
8.	L4C workshops of WikiEducator in the college (13-17 Apr, 12-15 May and 16-18 May, 2009).	Dr. Neeti Misra	Acharya Narendra Dev College
9.	EasyNow Educational content creation workshop held in the College (12 September - 5 October, 2009).	Dr. Neeti Misra	Acharya Narendra Dev College
10.	Workshop for B.Sc. (Hons.) Chemistry students on Use of software to create chemistry documents held at Acharya Narendra Dev College (6-7 June 2011).	Dr. Neeti Misra and Dr. Pankaj Khanna	Acharya Narendra Dev College.

Students
Pursuing
Higher
studies

Students-
University
Positions

Students –
Awards &
Scholarships

Teacher's
Awards

Achievements

Our Students Pursuing M.Sc. & other higher studies

- Year – 2016-2017**

S.No.	Name of the Student	Admitted in
1.	Harveer singh	M.Sc Physical Chemistry, ALIGARH MUSLIM UNIVERSITY
2.	Jayanti mishra	M.Sc Chemistry,DU
3.	Sundaram	M.Sc Chemistry,DU
4.	Aayush	M.Sc Chemistry, DU
5.	Akshay kumar	M.Sc Chemistry, DU
6.	Abhishek yadav	Msc. Chemistry,ICT MUMBAI
7.	Shubham kumar	Msc. Chemistry, NIT JAMSHEDPUR
8.	Arun kumar	M.Sc Chemistry YMCA,FARIDABAD
9.	Rahul Giri	Msc Chemistry, IISER Bhopal
10.	Atul sharma	M.Sc Chemistry YMCA,FARIDABAD
11.	Manoj Sharma	M.Sc Chemistry,Central university of Punjab,Bhatinda
12.	Pankaj Goyal	M.sc Chemistry ,Pharmaceutical KURUKSHETRA UNIVERSITY
13.	Kunal Madaan	M.sc Chemistry , Pharmaceutical,KURUKSHETRA UNIVERSITY
14.	Sonu Kumar	M.sc in Core Chemistry,Kurukshetra university

15.	Prince Kataria	M.Sc Forensic science,Amity University,gurgaon
16.	Kuldeep Negi	M.Sc in core Chemistry, Garhwal university
17.	Prashant Mishra	MSc in Core Chemistry Chemistry , Bundelkhand university
18.	Yash Rashtogi	M.Sc. in organic chemistry , Aligarh Muslim University, Aligarh (A.M.U)
19.	Ravi Kumar	M.Sc Chemistry, DU
20.	Indu Sharma	M.Sc in core Chemistry, Y.M.C.A
21.	Priyanka Singh	M.Sc in core Chemistry, Y.M.C.A

Year 2017-2018

S.No.	Name of the Student	Admitted in
1.	Sandeep Gupta	M.Sc. Chemistry, DU
2.	Twinkle Arora	M.Sc. Chemistry, DU
3.	Anusha Goyal	M.Sc. Chemistry, DU
4.	Nishtha Arora	M.Sc. Chemistry, DU
5.	Sumit Tiwari	M.Sc. Institute of chemical Technology(ICT) ,Mumbai
6.	Daksh Davas	M.Sc. NIT Warangal
7.	Neeraj Soni	M.Sc. IIT MANDI

8.	Gayatri batra	M.Sc. IIT MANDI
9.	Sakshi Tyagi	M.Sc. IIT MANDI
10.	Meenu Upadhyay	M.Sc. IIT MANDI
11.	Anju	M.Sc. IIT MANDI
12.	Dhruv Mahajan	M.Sc. IIT Hyderabad
13.	Nisha Yadav	M.Sc. IIT MADRAS
14.	Pooja sharma	M.Sc. IIT Jodhpur
15.	Vinod Gangwar	M.Sc. IIT Jodhpur
16.	Shivani Goyal	M.Sc. Krukshetra university
17.	Chetan	M.Sc. Punjab University
18.	Shivani Tyagi	M.Sc. YMCA
19.	Kajal Singhal	M.Sc. YMCA
20.	Nidin V	M.Sc. ICT Mumbai
21.	Madhu	M.Sc. MDU
22.	Akansha	M.Sc. C.C.S.U
23.	Muskan Bhatnagar	M.Sc. NIT Warangal
24.	Mukul	M.Sc. Amity

Year 2018-2019

S. No.	Name of the Student	Institute
1.	Simran Aggarwal	M.Sc. Chemistry, DU
2.	Sreya Jana	M.Sc. Chemistry, DU
3.	Raveena	M.Sc. Chemistry, DU
4.	Mihin	M.Sc. Chemistry, DU
5.	Babita	M.Sc. Chemistry, DU
6.	Gulshan	M.Sc. Chemistry, DU
7.	Maneesha	M.Sc. Chemistry IIT Madras
8.	Devendra	M.Sc. NIT WARANGAL
9.	Dipin	TIFR, Mumbai
10.	Pavitra	M.Sc. IIT MANDI
11.	Sandeep Gupta	M.Sc. IIT HYDERABAD
12.	Anmol Thanai	M.Sc. ICT Mumbai
13.	Nikita	M.Sc. IIT Roorkee
14.	Nishchal	M.Sc. IIT Mandi

Year 2019-2020

S. No.	Name of the Student	Institute
1.	Pawnesh Kumar Mishra	M.Sc. Chemistry, DU
2.	Aakriti	M.Sc. Chemistry, DU
3.	Anu Malik	M.Sc. Chemistry, CCS University
4.	Arpan Sharma	M.Sc. Chemistry, MNIT, Jaipur
5.	Deepanshu	M.Sc. Chemistry, DBCRU of science & Technology
6.	Harsh Baliyan	M.Sc. Chemistry, IIT Guwahati
7.	Harsh Kumar	M.Sc. Chemistry, IIT Mandi
8.	Himani Kanwal	M.Sc. Chemistry, DU
9.	Kirti	M.Sc. Chemistry, IIT Patna
10.	Mega	M.Sc. Chemistry, DU
11.	Megha Tanwar	M.Sc. Chemistry, DBCRU of science & Technology
12.	Monika	M.Sc. Chemistry, IIT Jodhpur
13.	Priya Dhaundiya	M.Sc. Chemistry, J. C. Bose UST, YMCA, Faridabad
14.	RajKamal	M.Sc. Chemistry, IIT Delhi
15.	Vishal Yadav	M.Sc. Chemistry, APJ Abdul Kalam Technical University

Students Awards and Recognitions:

S.No.	Name	Course	Awards , Scholarship and Name of the Agency	Year
1.	Pooja Rawat	B. Sc (H) Chem. Sem II	D.C.Arora Scholarship for meritorious students	2013-14
2.	Anish Kumar	B.Sc. (H) Chem. Sem II	Merit Position – III in University of Delhi Merit Position-I, University of Delhi, South Campus (UDSC)	2011-12
3.	Amit Kumar	B. Sc. (H) Chem. III	1 st position in UDSC	2011-12
4.	Neha Sharma	M.Sc. Chemistry Semester IV	Indira Gandhi P.G. Scholarship(amount-20,000/-)	2011-12
5.	Amit Kumar	B. Sc. (H) Chem. I	1. Science Meritorious award, University of Delhi 2. Second in University of Delhi,South Campus (UDSC)	2010-11
6.	Vijay Gupta	B. Sc. (H) Chem. III	Science Meritorious award University of Delhi	2010-11
7.	Vijay Gupta	B. Sc. (H) Chem. II	D.C. Arora Scholarship for meritorious students award	2009-10

S. No.	Name	Course	Awards , Scholarship & Name of the Agency	Year
1.	Jatin	B.Sc. (H) Chemistry II	III	
2.	Pawnesh Kumar Mishra	B.Sc. (H) Chemistry II	III	20

- Several of our students have also qualified entrance examinations in various esteemed Institutes such as: NCBS, TIFR, IISc, IISER, ACBR, AIIMS, JNU, NBRC.

Faculty Awards

Dr. Sunita Hooda
Meritorious Teacher's award
by
DHE (Directorate of Higher Education)
2012

Dr. Seema Gupta
Meritorious Teacher's award
by
DHE (Directorate of Higher Education)
2017-2018



- List of eminent academicians and scientists / visitors to the department:**

Eminent Academician /Scientist / Visitor	Subject of the Talk delivered	Institution
Prof. B.S. Garg, Former Head	Talk on Green Chemistry on the occasion of Environment Day celebrations	Department of Chemistry (2005)
Dr. Khandewal, Director, Sri Ram Centre	Talk on Industry and Academics job prospect	Sri Ram Centre (2006)
Dr. G.S. Sodhi, a renowned Forensic Science Expert	Talk on Forensic Science and Society on the inaugural address of our Chemical Society Abhikriya	Forensic Science Expert, S.G.T.B. Khalsa College, University of Delhi (2007)
Mr. Jagat S. Jawa, Director, General Solar Energy Society	Talk on renewable Energy on the occasion of World Environment day	General Solar Energy Department, Government of India (2008)
Prof. A. K. Bakshi, Former Head	Talk on Quantum chemistry. on the Inauguration celebrations of science week	Department of Chemistry, University of Delhi (2009)
Prof. Monica Dutta	Talk on Chemistry and Society	Department of Chemistry, University of Delhi (2010)
Dr. R.K. Suri, Joint Director	Talk on Environment and Pollution on the celebrations of OZONE day	Ministry of Environment and Forest, Govt. of India. (2011)
Prof. Gurmeet Singh	Talk on Corrosion causes and its effects at the annual celebrations of its science society)	Department of Chemistry, University of Delhi (2012)

Continued....

Eminent Academician /Scientist / Visitor	Subject of the Talk delivered	Institution
Dr. Kalolmay Biswas, Research Scientist	Talk on Organic Synthesis on Organometallic compounds using Chiral Ligands for drug Designing in Medicinal Chemistry	Jubliant Chemical Society, New Delhi (2013)
Prof. Rita Kakkar	Talk on 'Chemistry Our Life Our Future, at the festival celebration Synergia	Department of Chemistry, University of Delhi (2014)
Prof. A. K. Singh	Inorganic Chemistry: Memory Lanes to Future Canvas	Department of Chemistry, IIT Delhi (2015)

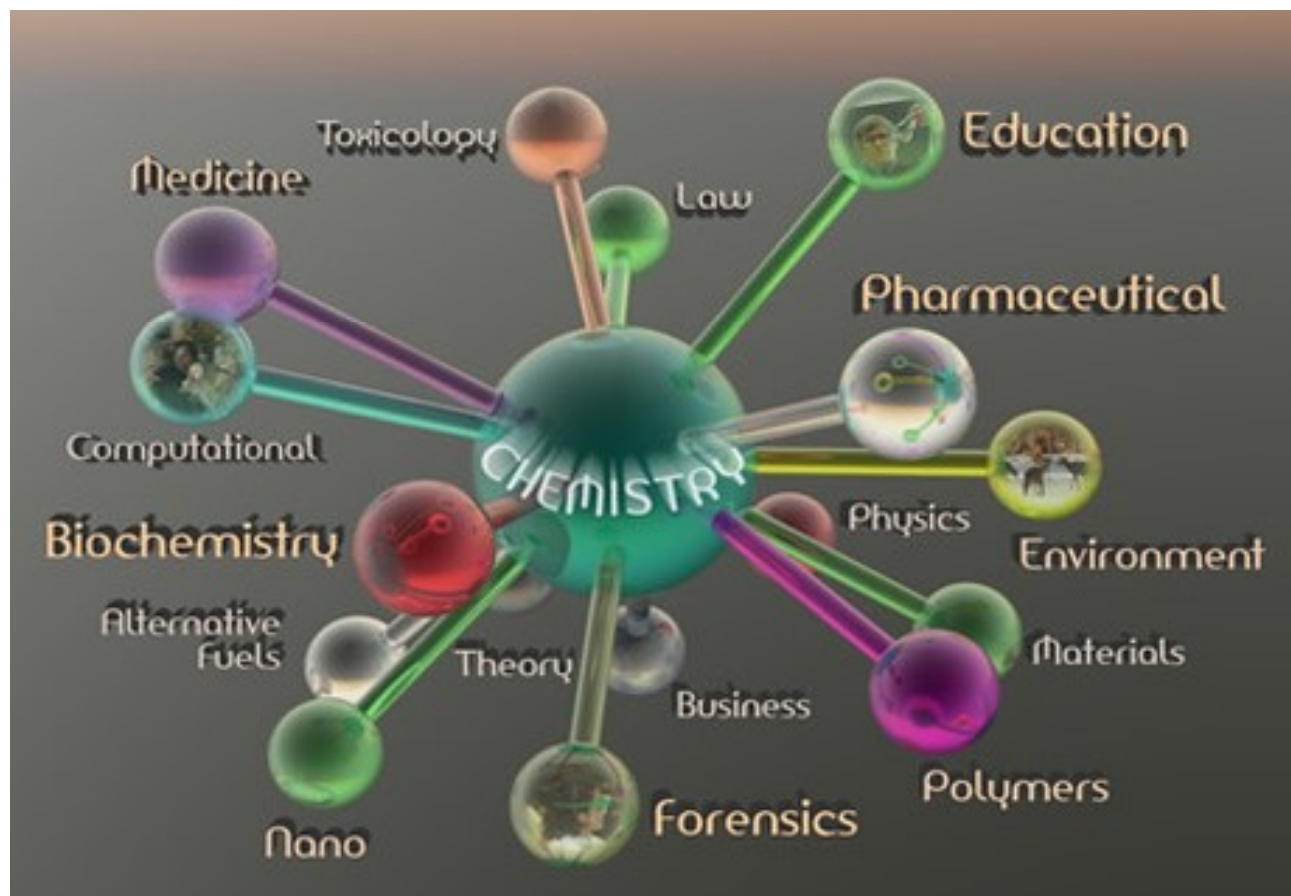


Infrastructural Facilities

- **Library:** Huge collection of wide range of books on almost all spheres of Chemistry.
- **Internet facilities for Staff & Students:** The entire campus is Wi-Fi enabled where each student, staff and Non-teaching staff member is being provided with an individual Id address to maintain security and confidentiality.
- **Class rooms with ICT facility:** All the class rooms (**Room No. 60 & 64**) are equipped with Wi-Fi, projectors and ICT facilities.
- **Laboratories:** well equipped **FIVE** Chemistry laboratories. There is enough space to accommodate 60-70 students comfortably. The labs are well equipped with Fuming chambers, Vacuum pumps, Hot air ovens, Distillation plants, Weighing balances, Digital balances, Conductivity meters, Potentiometers, Colorimeters, Incubators, Flame photometers, UV Spectrophotometers, Polarimeter, Deionizer, Constant Temperature bath, UV cabinet (to see TLC spots), Contact Thermometer (To set the fix value of temp.), Electrophoresis chamber and so on.

Futuristic Aspects

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Our Laboratories –Lab III





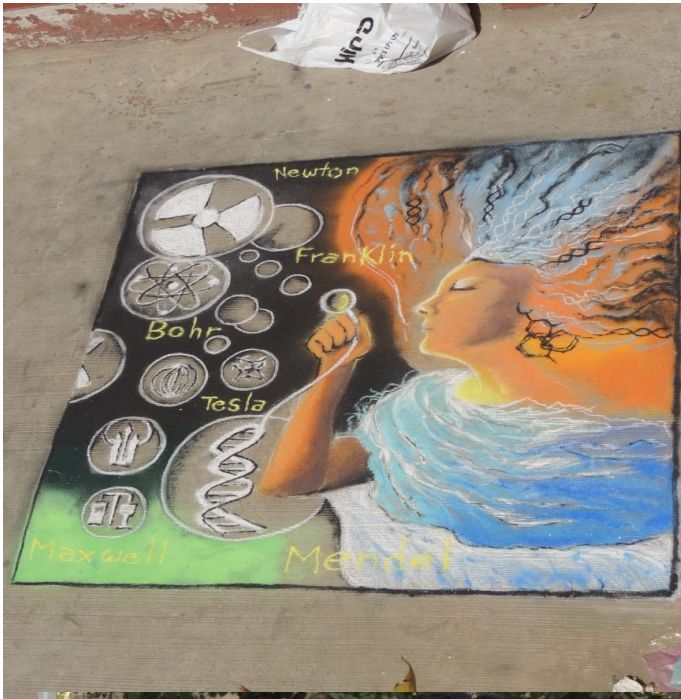
- The Chemistry faculty with **Excellent Academic Profile**.
- Each faculty member takes personal interest in **Mentoring the Students**.
- **Active Research**: 15 externally funded projects (completed and ongoing).
- **Research Opportunities** in terms of summer research projects for students.

Chemistry department is sensitive towards various Environmental Issues like:

- Chemical Waste
To solve this, some of our projects include:
 - study the health hazards occurring in unorganized sector of fabric dyers
 - designing membranes to remove heavy metal ions from water
 - chemical waste Recycling
 - salvaging aluminium from used aluminium foils.
- Also students are encouraged to participate in the social outreach programmes like NSS, Eco Clubs, Sahyog Melas, etc.

Our Alumni

Dr. Savita Sharma	Post Doctoral fellow, Emory university, Georgia, USA
Dr. Prashant Singh	Asst professor, Ambedkar University, Lucknow, UP, India
Sumi Handique	Asst Professor, Department of Environmental Science, Tezpur University, Assam
Bhawna Kapoor	Research Assistant a Jubilant ChemSys
Davinder Prasad	Ph.D.(Chemistry) from University of Delhi (2012)
Dipankar Barpuzary	Junior Research Fellow , IIT Guwahati
Navjyoti Baishya	Pursuing M.Tech from IIT Mumbai
Sudha Singh	Pursuing Ph.D. (Chemistry) from University of Delhi
And many more.....	



Alumni Meet



Celebrations

Fresher Party



Teachers Day



Farewell Party



College Fest Leiothrinx



Thank You