



Indian Institute of Technology Hyderabad

Department of Chemistry



Placement Brochure
(2022-23)

About IITH

IIT Hyderabad is one among the 2nd generation of IITs started by the Govt. of India. Today IITH offers 11 B.Tech programs, 1 B.Des Program, 3 M.Sc programs, 18 M.Tech programs, 1 M.Des program, 1 MA program, and 15 Ph.D. programs in all engineering, science, liberal arts, and design branches. IITH is creating a unique holistic educational ecosystem that offers interactive learning, a highly, flexible academic structure, cutting-edge research, strong industry collaboration, and entrepreneurship. It is providing an environment wherein students and faculty are not afraid to translate their dreams into realities

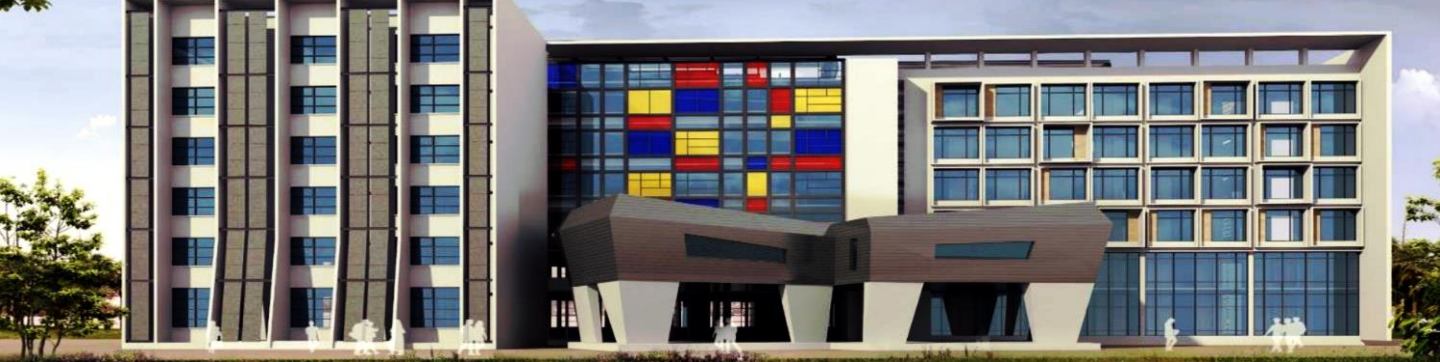
Our Vision

Indian Institute of Technology Hyderabad will be the cradle for inventions and innovations. It will advance knowledge and scholarship to students in science, technology and liberal arts, and equip them to handle the challenges of the nation and the world in the 21st century.

Our Mission

IIT Hyderabad aims to be recognized as ideators and leaders in higher education, research and industry, and to develop human power with creativity, technology and passion for the betterment of India and humankind.





The Department

The Department started functioning from the very inception of IITH. The Department has the distinction of starting the first PG program in science at IITH.

Besides, the state-of-the-art PG and research laboratories were established. The Department is committed to excellence in chemistry by establishing research programs for meeting scientific and technological challenges faced by the ever-changing, science-centered

The department aims to “Produce highly sought-after and knowledgeable graduates for pursuing careers in academia, industry, and government.”

Department website:

<https://chemistry.iith.ac.in/>



Faculty

Organic Chemistry

1. Prof. G. Satyanarayana
2. Prof. Faiz Ahmed Khan
3. Dr. Ashutosh Kumar Mishra
4. Dr. Venkata Rao Kotagiri
5. Dr. Kishore Natte
6. Dr. Abhijit Sau

Inorganic Chemistry

1. Prof. Tarun Kanti Panda
2. Prof. G. Prabusankar
3. Dr. Somnath Maji
4. Dr. Jai Prakash

Physical Chemistry

1. Prof. Ch. Subrahmanyam
2. Prof. M. Deepa
3. Dr. Surendra Kumar Martha
4. Dr. Surajit Maity
5. Dr. Krishna Gavvala
6. Dr. Narendra Kurra
7. Dr. Koyel Banerjee Ghosh
8. Dr. Sudarsanam Putla

Computational Chemistry

1. Dr. Bhabani Shankar Mallik
2. Dr. Saurabh Kumar Singh
3. Dr. Arup Mahata

Course Curriculum

The curriculum is designed to provide thorough training in both theoretical foundations and practical aspects. The Department provides a One-year Research project during M.Sc. Course work

Core Courses

1. Stereochemistry, Reaction Mechanism, and Aromaticity
2. Concepts in Inorganic Chemistry
3. Electrochemistry and Chemical Kinetics
4. Solid State Chemistry
5. Quantum Chemistry and Molecular Spectroscopy
6. Advanced Organic Chemistry of Multiple Bonds
7. Advanced Inorganic Chemistry
8. Statistical Thermodynamics & Surface Science
9. Chemical Binding and Molecular Symmetry
10. Spectroscopy & Applications
11. Synthetic Methodology in Organic Chemistry
12. Metals in Biological Systems
13. Physical Methods in Chemistry

Electives

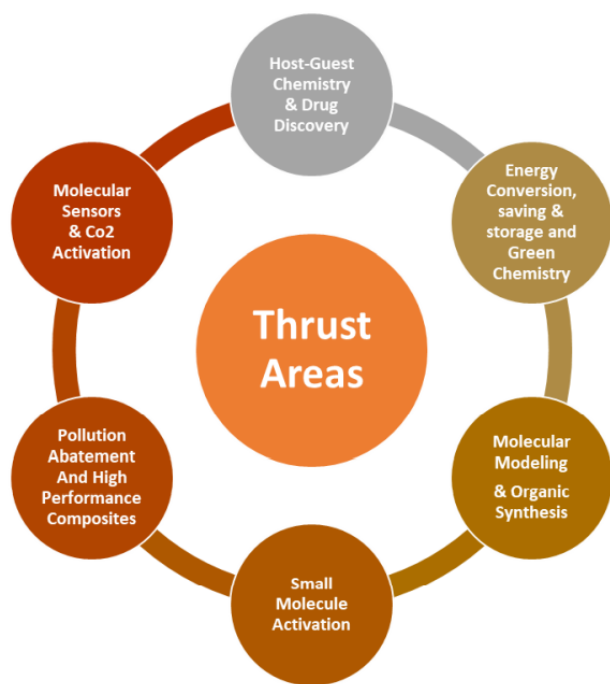
1. Chemistry of Natural Products and Biomolecules
2. Advanced Organic Chemistry
3. Organolanthanide Chemistry
4. Advanced Organometallic Chemistry
5. Chemical & Electrochemical Energy Systems
6. Nanochemistry & Applications
7. Heterogeneous Catalysis
8. Spectroscopy & Applications
9. Molecular Modeling of Complex Chemical Systems

Lab Facilities

1. SCXRD
2. DSC
3. ESR
4. Spectrofluorometer
5. ICP-OES
6. FTIR
7. UV
8. PXRD
9. Multi-Mode Atomic Microscope
10. NMR
11. Polarimeter
12. Raman Microscope
13. TGA
14. XPS
15. HPLC
16. HR-MS
17. Solar Simulator



Research Areas



1. Organic Synthesis and Drug Discovery
 2. CO₂ Activation and Pollution Abatement
 3. Organometallic Chemistry; Molecular Sensors
 4. Energy Conversion, Saving, and Storage; Small Molecule Activation
 5. High-Performance Composites; Green Chemistry; Molecular Modelling
 6. Spectroscopy and Dynamics of Transient Species
 7. Strongly Correlated Materials for Thermoelectric and Superconductors
 8. Functional Organic Materials and Supramolecular Chemistry
 9. Bioorganic Chemistry
 10. Biophysical Chemistry
 11. Computational Inorganic Chemistry
- And many more

Why Recruit Us?

Holistic Curriculum: The curriculum is designed to provide thorough training in both theoretical and practical aspects.

State of the art research: Students from all research areas have produced original research and published it in top-tier conferences and journals.

Distinguished faculty: The faculty are specialized in every field of Chemistry, with research papers published in prestigious scientific journals.

Future industry/research leaders: Students are not only highly talented in their fields, but are also highly enthusiastic about driving a positive change everywhere they go

Some Past Recruiters

Dr. Reddy's Laboratories

FIIT JEE

Aakash Institute

Sai

Syngene

Embibe

Extramarks

TATA Chemicals Limited

Innovare Labs

AkzoNobel

Students pursuing higher studies at

Indian Institute of Technology Bombay

Indian Institute of Technology Delhi

Indian Institute of Technology Kanpur

Georgetown University

Waseda University

University of Florida

Kyoto University

Ritsumeikan University



Placement Team & Contact

How to Participate?

- Kindly register through the Office of Career Services(OCS) Recruiter's portal

For detailed information please visit the (<https://ocs.iith.ac.in/>)

Contact us:

The OCS Placement team will extend all the possible assistance to your organization to conduct the recruitment process

For further details, Contact: Ph.: 040-23016098

Email: office.placement@iith.ac.in

Contact Us

- Placement coordinator:

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- Placement Manager:

Venkata Rao kotagiri

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- Professor and Head of the department chemistry,

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- DPGC Convener

Dr. Bhabani Sankar Mallik

Associate professor

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