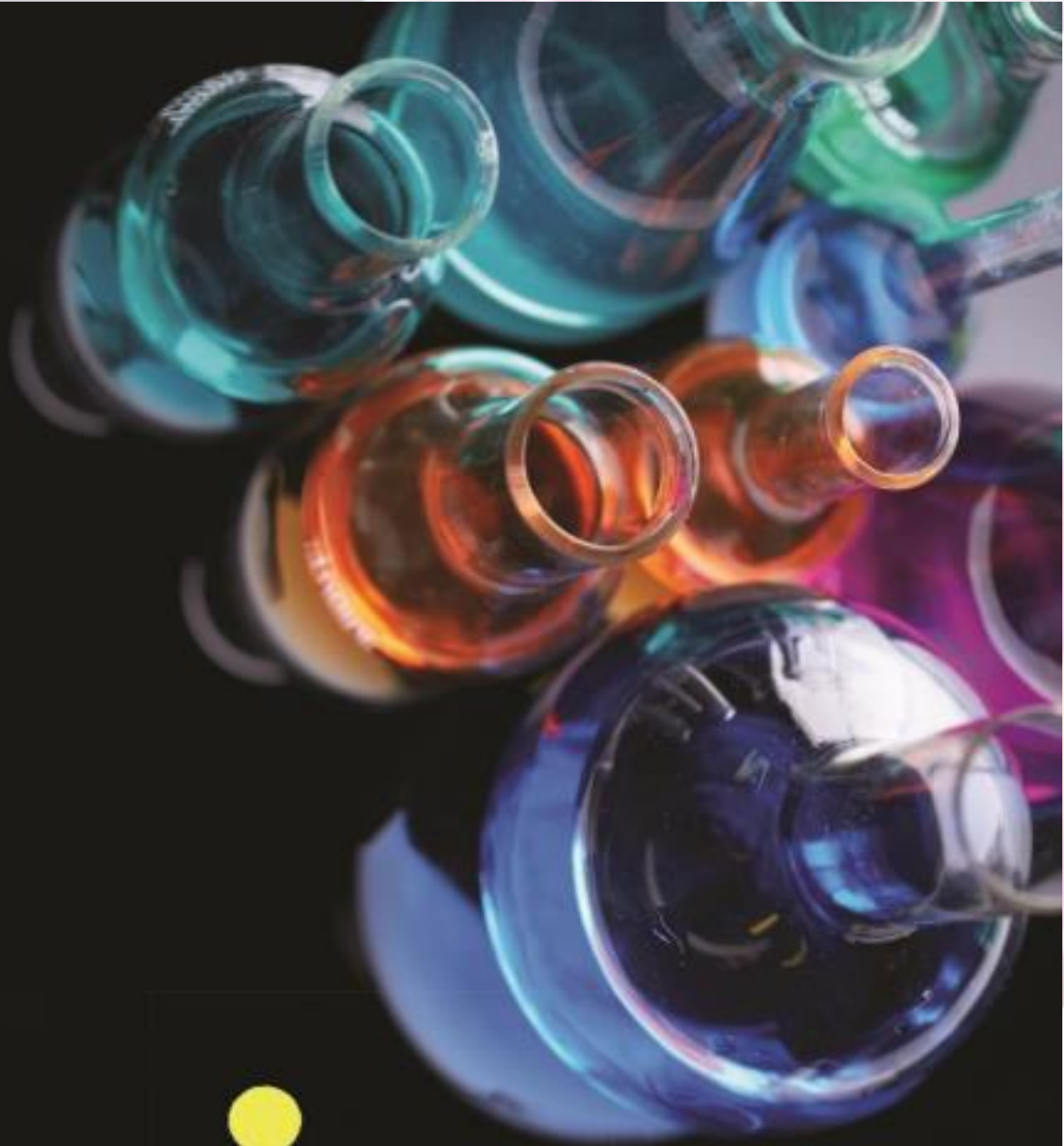




IIT BOMBAY  
Department of  
Chemistry



# DEPARTMENT OF CHEMISTRY

**PG HANDBOOK  
2022-23**



## **Disclaimer**

Though the ISCP (Institute Student Companion Program) has taken care while compiling the handbook, neither the council nor the Institute can be held responsible for errors/inadequacies that may inadvertently creep in. This handbook cannot be used as a basis for making a claim on facilities/concessions/interpretation of rules/statutes or the like. If there is some critical information to which the reader of this handbook refers, it is with his or her own responsibility that it is put to use, with cross verification if need be.

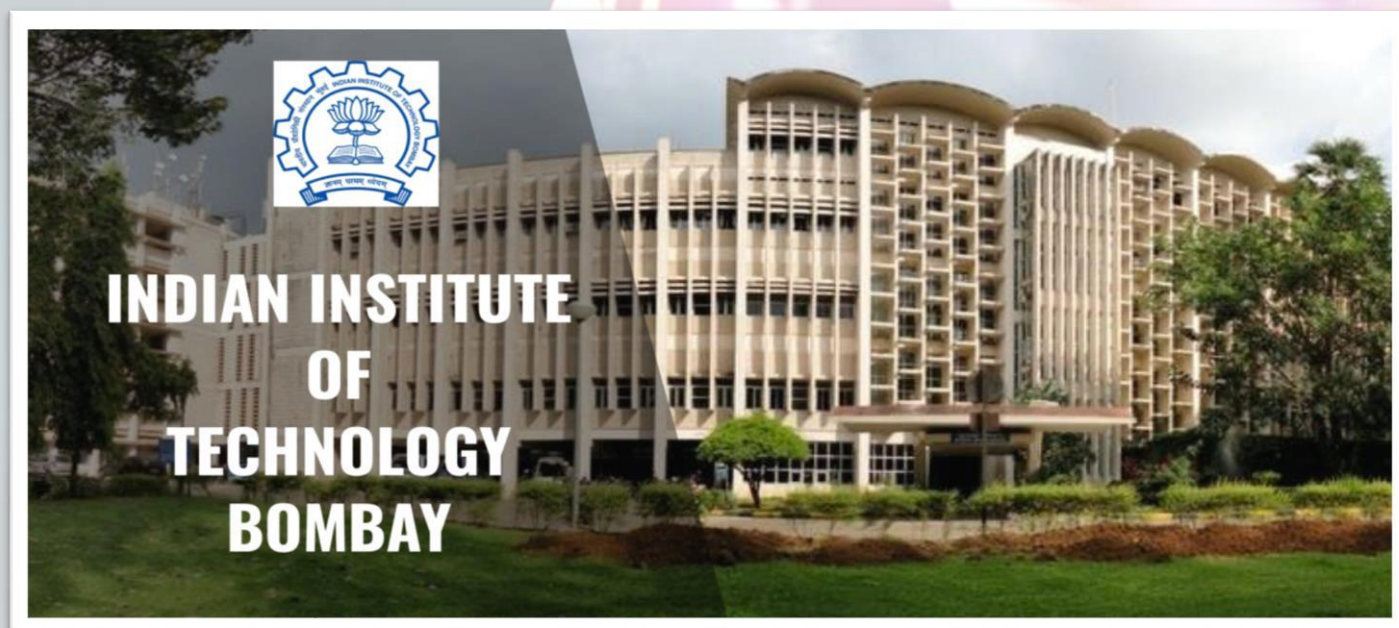


# Index

<b>S. No.</b>	<b>Title</b>	<b>Page No.</b>
1.	About the Institute	4
2.	About the Department	5
3.	Message from the HOD	6
4.	Information about Faculty Advisors	7
5.	Welcome Message from the ISCP Team	8
6.	Welcome Message from the IMR	9
7.	Welcome Message from the Department Coordinator	10
8.	Departmental ISCP Team and POR Holders	11
9.	Faculty Members	17
10.	Department Staff	25
11.	Research Facilities available	26
12.	Course Structure, Grading Policy and Attendance, Some important terms	28
13.	Internship Details	33
14.	PhD Selections and Placements	35
15.	Details of Second Year M.Sc. Students	39
16.	Senior's Special Advice	42
17.	Chemistry in Action and Departmental Events	44
18.	Important Information you should know	47
19.	Useful Links for miscellaneous purposes	48
20.	Some Useful apps	49
21.	The scholarships that you should know and apply for	50
22.	Reaching IITB	51
23.	Accomplishments in the last session	52
24.	Bandhu Website	56
25.	SARC, LWRC, ELIT, SC-ST-OBC Cell, E-Cell, SWC and Gender Cell	57
26.	A brief overview of the clubs in IITB	63



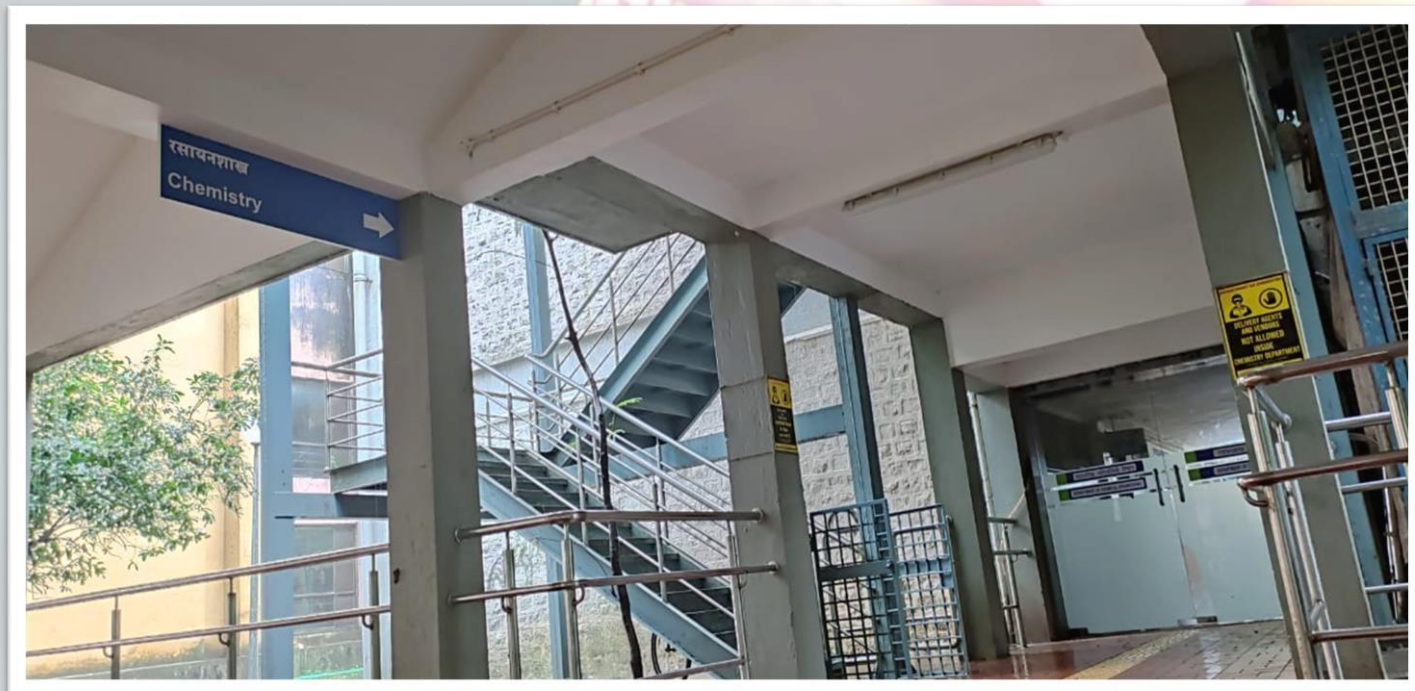
# About The Institute



Established in 1958, the second of its kind, IIT Bombay was the first to be set up with foreign assistance. The funds from UNESCO came as Roubles from the then Soviet Union. In 1961 Parliament decreed the IITs as 'Institutes of National Importance'. Since then, IITB has grown from strength to strength to emerge as one of the top technical universities in the world. The institute is recognized worldwide as a leader in the field of engineering education and research. Reputed for the outstanding caliber of students graduating from its undergraduate and postgraduate programs, the institute attracts the best students from the country for its Bachelor's, Master's, and Doctoral programmes. Research and academic programs at IIT Bombay are driven by an outstanding faculty, many of whom are reputed for their research contributions internationally. IIT Bombay also builds links with peer universities and institutes, both at the national and the international levels, to enhance research and enrich its educational programmes. The alumni have distinguished themselves through their achievements in and contributions to industry, academics, research, business, government, and social domains. The institute continues to work closely with the alumni to enhance its activities through interactions in academic and research programmes as well as to mobilize financial support. Over the years, the institute has created a niche for its innovative short-term courses through continuing education and distance education programmes. Members of the faculty of the institute have won many prestigious awards and recognitions, including the Shanti Swarup Bhatnagar and Padma awards. Located in Powai, one of the northern suburbs of Mumbai, the residents of the institute reap the advantage of being in the busy financial capital of India, while at the same time enjoying the serenity of a campus known for its natural beauty. A fully residential institute, all its students are accommodated in its more than 15 hostels with in-house dining; the campus also provides excellent amenities for sports and other recreational facilities.



# About The Department



From a small department started in 1965, the Department of Chemistry has grown into a major centre for teaching and research in Chemical Sciences in India. Today our academic program includes Masters in Chemistry (2 years), Ph.D. Program and a new 4 Year BS program has been initiated to mark the completion of 50 years of the department in 2014. Not drifting away from the original mandate of providing undergraduate chemistry education, the department has taken conscious efforts over the last 50 years to nurture high quality research in all areas of chemistry.

Alongside, we have also built good research infrastructure. Today the department consists of 37 research groups and 250 Ph.D. students apart from 200+ M.Sc. students, project staff, and postdoctoral fellows. Our research is published in the best of the chemistry journals and cited at impressive rates. Thus, it is not surprising that we have been able to attract some of the best students and faculty even at a time when a large number of new institutes have been established all over the country, which offer excellent new infrastructure and large start-up grants. Official

Website: <http://www.chem.iitb.ac.in>

# Message from HOD

Dear Students,

Welcome all of you to Department of Chemistry, IIT Bombay.

I would like to extend a warm welcome as you begin what promises to be an exciting and memorable journey of two years of your M.Sc. programme. Congratulations for clearing one of the toughest national entrance exams and securing high ranks to choose this department for your Master's course. Department of Chemistry is one of the best departments of the country and our department has a distinguished record in both teaching and research. Department offers wide range of courses and provides wide spectrum of options to the students to pursue their interest. Our department has state of art teaching and research facilities to support our academic program. Faculty members have excellent academic credentials and are highly regarded. They have been conferred with many prestigious awards of national and international levels. I know you will study hard, enjoy rich varieties of activities of the department and institute has to offer and grow confidently during your two year M.Sc. program. I am confident that your studies/stay at Department of Chemistry, IIT Bombay will be full of rewarding experiences.

Once again, welcome! Best wishes !!



Prof. M. Ravikanth  
Professor and Head of  
Department of Chemistry  
Indian Institute of Technology, Bombay



## Faculty Advisors: Your Mentors and Guides

Faculty Advisors (FacAd), as the name suggests, are professors from your department, who will help you out in making academic decisions. FacAds keep track of your progress and will guide you properly. Each semester, the courses you take will be finalized only with the consent of the FacAds. Changes in the program, such as dropping of courses, withdrawal from a semester on medical advice etc., can be effected only with the consent of the FacAd. The FacAd might play a limited role in the first year. But as you grow older in the IIT system, you might have to make some tough decisions regarding coursework and programmes in order to choose a career path suitable to your interests. You may also have to seek the FacAd's permission to participate in inter-collegiate competitions/Internships etc.. The FacAd is an important link between you and your department. Do not hesitate to talk to them regarding any academic issue. This Year, the following Professors will play the role of your Faculty Advisors:



**Prof. Rahul Maitra**

[rmaitra@chem.iitb.ac.in](mailto:rmaitra@chem.iitb.ac.in)

+91 22 2576 7185

<https://rahulmaitra.wixsite.com/theomolscilab>



**Prof. Gopalan Rajaraman**

[rajaraman@chem.iitb.ac.in](mailto:rajaraman@chem.iitb.ac.in)

+91 22 2576 7183

<http://ether.chem.iitb.ac.in/~rajaraman/>



# Welcome Message from ISCP Team

Dear new entrants,

Heartfelt congratulations for embarking on one of life's most memorable journeys - the journey of learning at IIT. On the behalf of our prestigious institute of IIT Bombay, team ISCP welcomes you aboard.

Give a pat on your shoulder for having achieved this feat. Your dedication, hard work and perseverance brought you here, and we know that your experience will lead you towards great opportunities. We can guarantee that your time here on this colossal campus will be exciting and knowledgeable. A degree will just be a small portion of what you will be leaving this institute with. You will also leave with beautiful memories of late-night conversations, interesting wing cultures, and crazy birthday parties (oh you are going to miss those!!). You will have the opportunity to mingle in various clubs and societies where individuals strive to become experts in their fields and devote endless hours. As a result, there will be many chances to learn inside and outside the classroom. So entering this new universe in itself presents both exhilaration and potential difficulties. This is where we will help you by providing the tips you need to handle these difficulties and enjoy your time at IIT Bombay.

Now, you should be thinking what on earth is this ISCP? Institute Student Companion Programme (ISCP) is a student body with the primary objective of building a relationship of trust and comfort between the on-roll students and the incoming students of the PG programmes. We are here to help you get familiar with the ways of IITB, guide you through your ups and downs and make sure that each voice is heard. You will become part of a culture where people want to perfect their craft and thus work day in and day out. Various events are organised by the cultural, technical, and sports clubs in the institute throughout the year. Managing these along with lectures might seem daunting at first, and hence, to help you with a world of problems, including these, we assign you a **student companion**.

The student companions are self-motivated volunteers who will genuinely want to help you in low and high tides as an act of giving back what they received from the programme. You can rely on the team for any advice or information on anything you are venturing out into, whether it be academics or extracurriculars, any issues that you are facing, any support or requirements that you want to raise as a part of the student community. And at last but undoubtedly not least just for regular interaction because that is all the programme holds at its core. The knowledge and the experience that our student companions have gained with their stay on the campus will help your transition become smooth. From campus tours to classroom lectures, from the grading system to completing the syllabus, from the profile to placements, from *Schezwan Frankie* to *curry-pakora*, they will be there for you.

We are sure that the last couple of years have been rough for many of you. But as we know that life moves on. So, make sure that you make the best out of your journey at IIT Bombay. Come and contribute to this vast store of knowledge and help it become more vibrant and colourful.

The campus of IIT Bombay awaits your presence; see you there.



**Dipankar Kuli**  
Overall  
Coordinator,ISCP

Earth Sciences Dept.

8638272899

[dipankarkuli98@gmail.com](mailto:dipankarkuli98@gmail.com)



**Abhishek Raman**  
Overall  
Coordinator,ISCP

Civil Engineering Dept.

8789676472

[ramanabhi3503@gmail.com](mailto:ramanabhi3503@gmail.com)



**Prabhat**  
Overall  
Coordinator,ISCP

Physics Dept.

9899946039

[prabhat.70707@gmail.com](mailto:prabhat.70707@gmail.com)



**Ananda Charan  
Khatua**  
Cabinet Member,ISCP

Earth Sciences Dept.

6370574104

[charanananda55@gmail.com](mailto:charanananda55@gmail.com)



**Abhishek Kumar Gautam**  
Cabinet Member,ISCP

Earth Sciences Dept.

7607369675

[ashishgautam2001@gmail.com](mailto:ashishgautam2001@gmail.com)



# Welcome Message from IMR

Welcome Freshers!

We all have gone through a lot in these past couple of years, so firstly congratulations to all of you for securing admission in one of the prestigious institutes in the country. IIT Bombay provides the best exposure to its students in all aspects, both academically as well as non-academically. The skills you develop here, and the interactions you have with people here will stay with you throughout your life. The post graduation demands something additional compared to the graduation, more time, more effort, more determination, and a ton of dedication. For meeting these primary requirements, often we find ourselves in a daunting situation. In order to make your stay at IIT Bombay convenient, the institute has established the PGAC (Post Graduate Academic Council). Any technical necessity, any placement-related assistance, any research queries, or any academic grievances, you can always reach out to us. Each department has its own AURAA (Academic Unit Representative of Academic Affairs), whom you can approach directly in case you find any difficulties. Wishing you all a really convenient and productive IIT journey!



Regards,

Mohit Meena Institute Secretary,

Academic Affairs (Masters)

Email: [imr@iitb.ac.in](mailto:imr@iitb.ac.in)

Contact no. : 8006080474



# Welcome Message from Department Coordinator, ISCP(2022-23)

Welcome juniors...!!

Heartiest congratulations on having made it to the finest institute in India. You are about to embark on a journey of knowledge and exploration.

Some of you may be optimistic about your admission to IIT Bombay, while others may be concerned about how things will unfold here at IITB, such as how will I communicate with my peers/seniors, what if I miss a notification? Is there any financial assistance available, and the list goes on and on.

Well, you don't have to worry about anything; the person who mailed you this handbook was chosen as a Student Companion after a rigorous procedure consisting of GroundWorks and an Interview. They'll handle all of your concerns and issues.

## NOT TO DO

'Your not-to-do list is more important than your to-do list,' it has been stated by many successful people. Likewise, things you must not do take precedence over things you must do. The most crucial thing you should avoid is comparing yourself to others. I am damn sure most of you are highly competitive in nature, or else you won't be here in IITB, so it is highly probable that you end up comparing yourself with others and consequently hampering your mental peace. I strongly recommend, not to do this.

## MUST DO

1. Thing Big – No matter what's your destination, make sure it's not easy, or else you won't enjoy the journey.
2. Network with different kind of people- People typically learn about networking relatively late in life. Use every chance to network and meet as many people as you can while you are at IITB because you never know where the dots connect.
3. Make your stay at IITB memorable- You don't want to reach your destination and have regrets. Regret hurts the most. Make friends, have fun, chill together and always ensure that they are not alone, do disturb them as much as you can.

The department ISCP team is always with you at any point in time to address any and every issue you might face, however small or silly they might seem to you. So do not hesitate to come to us because we are here to serve your needs and make you as comfortable as you can. We have already traveled on the path of the journey you are about to embark upon, and we know where the potholes are. Aspiring to be good mentors to you all, we do not want you to make the mistakes we have made. So this is us reaching out to you, hoping that you will reach out to us whenever needed. We will be glad to help. And of course, we are waiting to see you on campus.



**Welcome to IIT Bombay**

**Piyush Kumar Singh**

Department Coordinator, ISCP 2022-23

Phone: 7000664323

WhatsApp: 7693881975

E-Mail: Piyush.25official@gmail.com

## Department ISCP Team



### Piyush Kumar Singh

He is an introverted ambivert who is not the go-to person for academics but is clearly the go-to person for all non-academic activities. This guy believes in a person's complete personality development. When it comes to going to Sridevi Padmawati Temple, Kukure chaat at Aroma, and malai wala coconut water in the IIT market, he is a good company.

**WhatsApp:** 7693881975

**Email:** [piyush.25official@gmail.com](mailto:piyush.25official@gmail.com)

### Anika

She is a leader in a true sense, knows how to get tasks done, and is a go-getter. She is the one you go to when in a crisis and feel assured of how everything's going to be okay! She will make you feel motivated and be your greatest cheerleader always.

**WhatsApp:** 7015052589

**Email:** [anikamonga24@gmail.com](mailto:anikamonga24@gmail.com)



### Karan Asnani

Bade ache lagte hain...ye or inke gaane.... He is approachable and an influencer in a good way. He is full of wit and enthusiasm. He is a night person who is dedicated to his duties.

**WhatsApp:** 7425015722

**Email:** [karan.asnani1422@gmail.com](mailto:karan.asnani1422@gmail.com)





## Sabiha Parveen

She is a dreamer and believes in the beauty of spreading knowledge in the most empathetic way. She is simple but bold. She is ever ready to give you company with adrak-wali-chai. She loves to talk about human psychology and human behaviour. She can motivate you out of your darkest phase of life.

**WhatsApp:** 8445799624

**Email:** psabiha2412@gmail.com



## Sushant Singh

He is the one, who had transformed and improved his personality a lot, if you want a personality development class, he is there for you. If you are a Kohli fan and love cricket talks then he's your friend.

**WhatsApp:** 9554739607

**Email :** sushantsinghrathore18@gmail.com

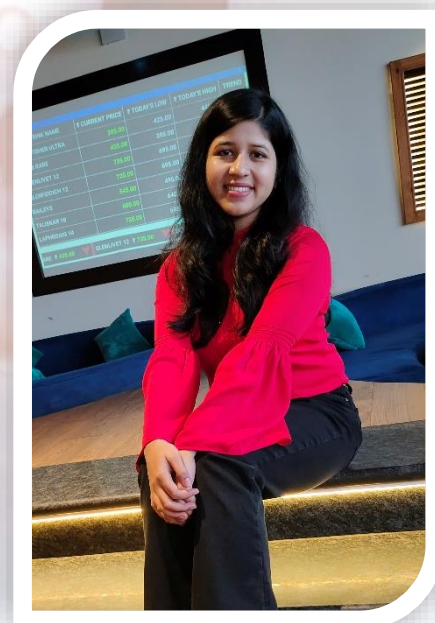


## Hanshika Arya

She is a good listener and trust me you can always rely on her advice. When it comes about discussing Netflix shows then she is your best friend. She belongs to the city where it's all about kebab, nawaab and aadab.

**WhatsApp:** 8127452017

**Email:** hanshika.muskan@gmail.com







## Arkopam Das

A Chelsea fan by heart, whom you can approach without hesitation, and perhaps can recommend movies to sort out your post-semester exam nights. A high probability that you will come across him capturing sunsets on campus at any random location. Has an active interest in sports, photography, and travel.

**WhatsApp:** 9674558910

**Email :** arkopam@gmail.com

## Ananya Singh

She is a happy-go-lucky soul and an avid foodie, who can technically live on momos for months. She is always up for an adventure. Gym, swimming, trekking, you name it and she is into it.

**WhatsApp:** 6396555482

**Email:** ananyasingh232000@gmail.com

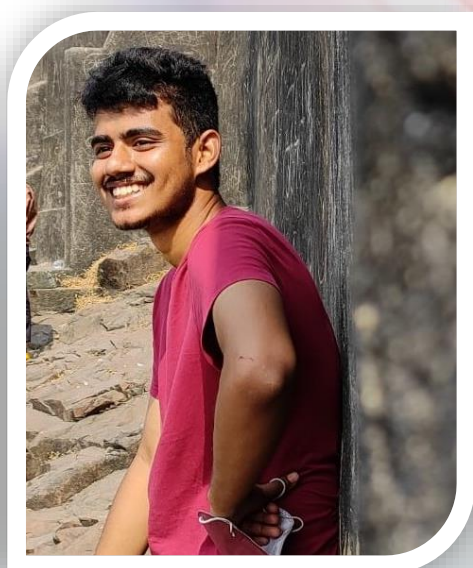


## Sandip Kumar Mishra

He is the one who will come to the rescue in crucial moments, from creating Fulminated Mercury to decoding the Da Vinci Code. He can transform into 'Hououin kyouma' whenever someone wishes to awaken from their slumber, and there is 'Senku's' 10 billion percent surety that his advice will lead to the formulation of a better strategy.

**WhatsApp:** 7881163711

**Email:** sandipmishra041@gmail.com

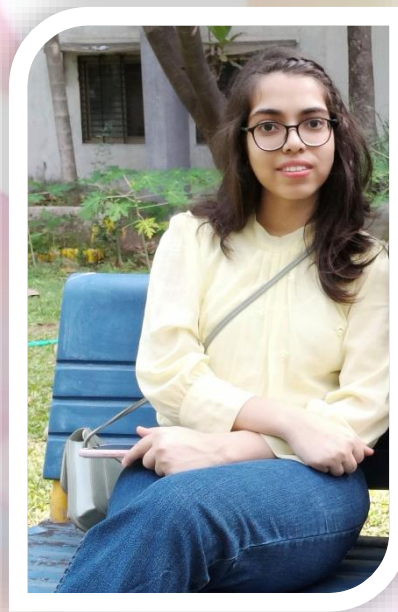


## Divya Kumari

She excels at multitasking and will not give up until she has mastered a task. She gets along a wide range of people and prefers to maintain a cheerful outlook . She prefers things to be well- organized , and she gives off an 'Army wali brat' feel.

**WhatsApp:** 9079651761

**Email:** divyakumari33332@gmail.com

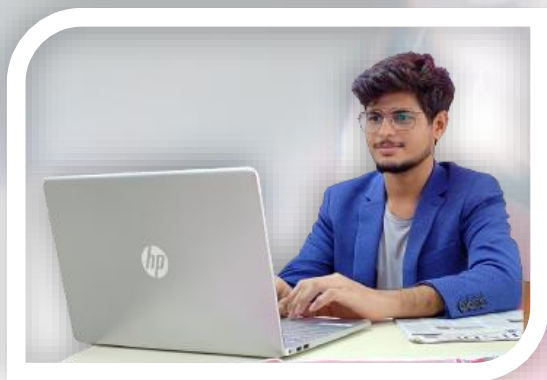


## Kanhaiya Lal Jaat

He is the 'Saul Goodman' of IIT Bombay and has a gifted ability to make contacts. He is the sort of coach you can go to for help with academic, personal, or administrative issues. His 'Rajasthani' style of living, benevolent nature, and acclimatizing ability makes him a reliable person. So whenever in distress - "Better Call Saul-Kanhaiya".

**WhatsApp:** 8003770714

**Email :** [kanhaiyajat486@gmail.com](mailto:kanhaiyajat486@gmail.com)





# DEPARTMENT COUNCIL MEMBERS



**ANCHAL YADAV**  
**General Secretary**

8443574215

anchalyadav08.12@gmail.com



**ANANYA SINGH**  
**M.Sc. Representative**

6396555482

ananyasingh232000@gmail.com



**KANHAIYA LAL JAAT**  
**C.R. of M.Sc. 2<sup>nd</sup> Year**

8003770714

kanhaiyajat486@gmail.com



**POONAM CHAND**  
**Sports Secretary**

7568891128

poonamchand02020@gmail.com



**Sushant Singh**  
**Cultural Secretary**

9554739607

sushantsinghrathore18@gmail.com



**DIVYANSH VERMA**  
**Design Secretary**

7568891128

divyanshverma24702@gmail.com





Vanshika Sindhu

**Department Alumni Secretary**

8168387908

vanshikasindhu517@gmail.com

## **Institute Placement Team Members**

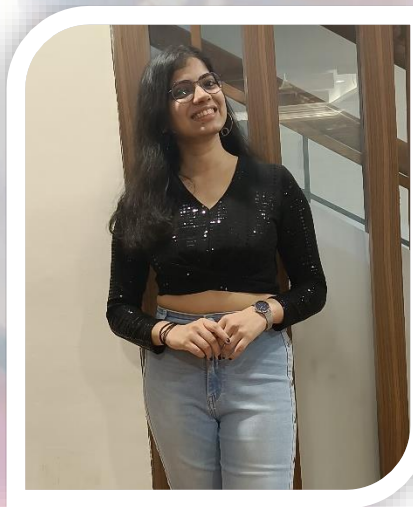


Piyush Kumar Singh

**Company Coordinator**

7693881975

Piyush.25official@gmail.com



AVIKA

**Internship Coordinator +  
Department Placement  
Coordinator**

8700398484

31avika@gmail.com



SWASTIK KUMAR

**Internship Coordinator**

6397862800

Swastikkumar166@gmail.com

## **PGAC MEMBER**



SABIHA PARVEEN


**Academic Unit Representative  
of Academic Affairs(AURAA)**

8445799624

psabiha2412@gmail.com



## FACULTY MEMBERS

INORGANIC CHEMISTRY	
Name	Research Interests
<p><b>Professor</b> <b>M.S. Balakrishna</b> Room 333, Chemistry Bldg. <a href="mailto:krishna@chem.iitb.ac.in">krishna@chem.iitb.ac.in</a> +91 22 2576 7181 <a href="http://ether.chem.iitb.ac.in/~krishna/msb/Home.html">http://ether.chem.iitb.ac.in/~krishna/msb/Home.html</a></p> 	<ul style="list-style-type: none"><li>• Organometallics</li><li>• Transition Metals</li><li>• Catalysis</li><li>• Inorganic rings, cages and clusters and their transition metal chemistry</li></ul>
<p><b>Professor</b> <b>G.K. Lahiri</b> Room 319, Chemistry Bldg. <a href="mailto:lahiri@chem.iitb.ac.in">lahiri@chem.iitb.ac.in</a> +91 22 2576 7159 <a href="http://ether.chem.iitb.ac.in/~lahiri/">http://ether.chem.iitb.ac.in/~lahiri/</a></p> 	<ul style="list-style-type: none"><li>• Synthetic Inorganic</li><li>• Physical Inorganic</li><li>• Organometallic Chemistry</li><li>• Catalysis</li></ul>
<p><b>Professor</b> <b>Debabrata Maiti</b> Room 215, Chemistry Bldg. <a href="mailto:dmaiti@chem.iitb.ac.in">dmaiti@chem.iitb.ac.in</a> +91 22 2576 7155 <a href="https://www.dmaiti.com/">https://www.dmaiti.com/</a></p> 	<ul style="list-style-type: none"><li>• Remote C-H Functionalization</li><li>• Bioinspired Catalysis</li><li>• Heterocyclic Chemistry</li><li>• Quantum Dots (QD) Photoredox Catalysis</li><li>• Lignin Valorization</li></ul>
<p><b>Associate Professor</b> <b>Arnab Dutta</b> Room No. 339, Chemistry Bldg. <a href="mailto:arnabdutta@chem.iitb.ac.in">arnabdutta@chem.iitb.ac.in</a> +91 22 2576 7162</p> 	<ul style="list-style-type: none"><li>• Bioinspired catalyst design</li><li>• Chemical Synthesis</li><li>• Electrochemistry</li><li>• Photocatalysis</li><li>• First row transition metal based molecular catalysts</li></ul>



**Professor****Maheswaran S.**Room 4XZ, Chemistry Bldg. [eswar@chem.iitb.ac.in](mailto:eswar@chem.iitb.ac.in)

+91 22 2576 7187

<https://kamal1607.wixsite.com/mysite>

- Coordination Chemistry
- Molecular nano magnets
- Small Molecule activation
- Functionalization of molecules on surfaces for electronic device application

**Professor****R. Murugavel**Room 355, Chemistry Bldg. [rmv@chem.iitb.ac.in](mailto:rmv@chem.iitb.ac.in)

+91 22 2576 7163

<https://rmuruks.wixsite.com/rmurugavel>

- Organometallic Chemistry
- Materials
- Catalysis
- Synthesis
- 

**Professor****Gopalan Rajaraman**

Room 4XY, Chemistry Bldg.

[rajaraman@chem.iitb.ac.in](mailto:rajaraman@chem.iitb.ac.in)

+91 22 2576 7183

<http://ether.chem.iitb.ac.in/~rajaraman/>

- Surface Chemistry
- Spectroscopy
- Catalysis
- Molecular Magnetism

**Professor****M. Ravikanth**

Room 338, Chemistry Bldg.

[ravikanth@chem.iitb.ac.in](mailto:ravikanth@chem.iitb.ac.in)

+91 22 2576 7176

<http://ether.chem.iitb.ac.in/~ravikanth/homepage/>

- Porphyrin and Macrocyclic Chemistry
- Inorganic rings as scaffold for multi-chromophore assemblies
- Designing new cationic and anionic fluorescent Sensors

**Associate Professor****L.S. Panchakarla**

Room 435, Chemistry Bldg.

[panchakarla@chem.iitb.ac.in](mailto:panchakarla@chem.iitb.ac.in)

+91 22 2576 7175

<https://nivasuoh.wixsite.com/panchakarla>

- Low-Dimensional Materials for Energy Conversion
- Studies on Nano scale Meta- Stable Compounds
- Self-Assembly of Nanostructures

**Assistant Professor****Sanjog S. Nagarkar**

Room 430, Chemistry Bldg.

[sanjog.na@chem.iitb.ac.in](mailto:sanjog.na@chem.iitb.ac.in)

+91 22 2576 7190



- Molecular Materials
- Coordination Cages
- Coordination Polymers

**Professor****Prasenjit Ghosh**Room 363 B, Chemistry Bldg. [pghosh@iitb.ac.in](mailto:pghosh@iitb.ac.in)

+91 22 25767178

<http://ether.chem.iitb.ac.in/~pghosh/>

- Non-N-heterocyclic carbene Chemistry
- Biomedical applications
- Chemical Catalysis

**ORGANIC CHEMISTRY****Professor****Krishna P. Kaliappan** Room 419,Chemistry Bldg. [kpk@chem.iitb.ac.in](mailto:kpk@chem.iitb.ac.in)

+91 22 2576 7177

<http://ether.chem.iitb.ac.in/~kpk/>

- Natural Products Synthesis
- Development of new synthetic methodology
- Organocatalysis
- Development of New Chiral Ligands for Asymmetric Synthesis

**Professor****Santosh J. Gharpure**Room 440, Chemistry Bldg. [sigharpure@chem.iitb.ac.in](mailto:sigharpure@chem.iitb.ac.in)

+91 22 2576 7171

<http://ether.chem.iitb.ac.in/~sigharpure/research.htm>

- Organic synthesis
- New synthetic methods
- Asymmetric synthesis
- Natural product synthesis
- Catalysis

**Professor****Rodney A. Fernandes**Room 404, Chemistry Bldg. [rfernand@chem.iitb.ac.in](mailto:rfernand@chem.iitb.ac.in)

+91 22 2576 7174

<http://ether.chem.iitb.ac.in/~rfernand/default.htm>

- Asymmetric synthesis of natural products.
- Total synthesis of natural products and analogs.
- Organometallic chemistry
- Heterocyclic chemistry.



**Professor****Sambasivarao Kotha**

Room 425, Chemistry Bldg.

[srk@chem.iitb.ac.in](mailto:srk@chem.iitb.ac.in)

+91 22 2576 7160

<http://ether.chem.iitb.ac.in/~srk/>

- New Synthetic methods
- Unusual amino acids
- Suzuki coupling reaction
- Metathesis
- Peptide modifications
- Nanotechnology

**Professor****Suvarn S. Kulkarni**

Room 211, Chemistry Bldg.

[suvarn@chem.iitb.ac.in](mailto:suvarn@chem.iitb.ac.in)

+91 22 2576 7166

<http://ether.chem.iitb.ac.in/~suvarn/>

- One-pot methods for glycomics
- Synthesis of cell-surface carbohydrates
- Study of carbohydrate recognition in Cancer.

**Professor****I.N.N. Namboothiri**

Room 409, Chemistry Bldg.

[irishi@chem.iitb.ac.in](mailto:irishi@chem.iitb.ac.in)

+91 22 2576 7196

<http://ether.chem.iitb.ac.in/~irishi/>

- Organic Synthesis
- Physical Organic Chemistry
- Reaction Mechanisms
- Development of new synthetic methods

**Prof.****Raghavan B. Sunoj**

Room 418A, Chemistry Bldg.

[sunoj@chem.iitb.ac.in](mailto:sunoj@chem.iitb.ac.in)

+91 22 2576 7173

<http://ether.chem.iitb.ac.in/~sunoj/>

- Organocatalysis
- Transition metal Catalysis
- Solvent effects in Chemical Reactivity
- Theory and computation

**Professor****Chandra M. R. Volla**

Room 418B, Chemistry Bldg.

[chandra.volla@chem.iitb.ac.in](mailto:chandra.volla@chem.iitb.ac.in)

+91 22 2576 7188

<https://chandravolla.wixsite.com/volla>

- Transition-metal Catalysis
- Organocatalysis
- Asymmetric Synthesis
- Natural product synthesis
- Heterocyclic chemistry

**Professor****Pradeepkumar P.I.**

Room 330, Chemistry Bldg.

[pradeep@chem.iitb.ac.in](mailto:pradeep@chem.iitb.ac.in)

+91 22 2576 7184

<http://ether.chem.iitb.ac.in/~pradeep/>

- RNA modifications for therapeutic
- as well as functional studies.
- Stabilization and sensing of
- G Quadruplex nucleic acids.
- Molecular modelling and dynamic
- Studies of functional nucleic acids.

**Professor****Anil Kumar**

Room 443, Chemistry Bldg.

[anilkumar@iitb.ac.in](mailto:anilkumar@iitb.ac.in)

+91 22 2576 7153

<http://ether.chem.iitb.ac.in/~akumar/>

- Molecular modelling and dynamic Studies of functional nucleic acids.
- Continuous Flow Chemistry
- Green Chemistry
- Catalysis
- Synthesis

**Professor****Nandita Madhavan**

Room 426, Chemistry Bldg.

[nanditam@chem.iitb.ac.in](mailto:nanditam@chem.iitb.ac.in)

+91 22 2576 7164

<https://sites.google.com/view/nanditaresearch>

- Peptide Synthesis
- Self-Assembly Design of robust three-dimensional peptide derived pores.
- Functional-Design of selective and gated synthetic ion channels.

**Professor****Chidambar Kulkarni**

Room 4YY, Chemistry dept. 3rd floor annex

[chidambark@chem.iitb.ac.in](mailto:chidambark@chem.iitb.ac.in)

+91 22 2576 7186



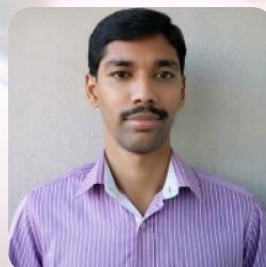
- Organic Synthesis
- Materials Science
- Synthesis and Characterization of Non-Covalent Systems

**Professor****Venkateshwar Yarlagaadda**

Room ##, CESE new building, ground flour

[venky@chem.iitb.ac.in](mailto:venky@chem.iitb.ac.in)

+91 22 2576 7186



- Medicinal chemistry
- Drug design and drug development
- Biosynthesis
- Genome mining and genome engineering





## PHYSICAL CHEMISTRY

**Professor****Ruchi Anand**

Room 4XX, Chemistry Bldg.

[ruchi@chem.iitb.ac.in](mailto:ruchi@chem.iitb.ac.in)

+91 22 2576 7165

<https://structuralbioiitb.wixsite.com/ruchianand>



- Structural Biochemistry
- Antibiotic Resistance and biosynthesis regulation
- Purine Metabolism
- Structure-Function relationship of nucleobase

**Professor****Sandip Kar**

Room XXX, DESE-CESE Building

[sandipkar@chem.iitb.ac.in](mailto:sandipkar@chem.iitb.ac.in)

+91 22 2576 7193

<https://sandipkar8.wixsite.com/sandip-kar>



- Theoretical Systems Biology
- Nonlinear dynamics
- Modelling cell specific effect of signalling pathways to cell cycle and cancer

**Professor****Nand Kishore**

Room 344, Chemistry Bldg.

[nandk@chem.iitb.ac.in](mailto:nandk@chem.iitb.ac.in)

+91 22 2576 7157

<http://ether.chem.iitb.ac.in/~nandk/>



- Bio thermodynamics
- Protein-folding and protein solvent interactions
- Drug-protein interactions
- Building block-solvent interaction

**Professor****Y.U. Sasidhar**

308, Chemistry Bldg.

[sasidhar@chem.iitb.ac.in](mailto:sasidhar@chem.iitb.ac.in)

+91 22 2576 7179

<http://ether.chem.iitb.ac.in/~sasidhar/>



- Biophysical Chemistry
- Protein Folding and Dynamics
- Protein dynamics in the design of agonists and antagonists

**Professor****G. Naresh Patwari**

Room 206, Chemistry Bldg.

[naresh@chem.iitb.ac.in](mailto:naresh@chem.iitb.ac.in)

+91 22 2576 7182

<https://chemphysgrpiitb.wixsite.com/chemphysgrp>



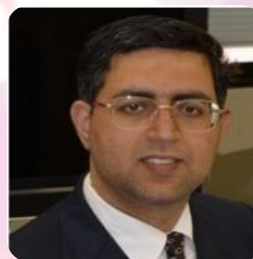
- Experimental Spectroscopy
- Chemical dynamics
- Weak intermolecular interactions
- Bio-conjugate Chemistry

**Professor****Chandramouli Subramaniam**

Room 17, Ground floor, Physics Bldg.

[csubbu@chem.iitb.ac.in](mailto:csubbu@chem.iitb.ac.in)

+91 22 2576 7194

<http://ether.chem.iitb.ac.in/~csubbu/>

- Electrochemistry
- Nano chemistry
- Structure-property relations of nano-form of carbon allotropes - Carbon nanotubes (CNTs), Graphene

**Professor****Rajarshi Chakrabarti**

Room 408 B, Chemistry Bldg.

[rajarshi@chem.iitb.ac.in](mailto:rajarshi@chem.iitb.ac.in)

+91 22 2576 7192

<https://rajarshichakrabarti.wixsite.com/rajarshichakrabarti>

- Theory of active polymers
- Statistical Mechanics
- Chemical Physics
- Internal friction and polymer dynamics

**Professor****Shobhna Kapoor**

Room 21, Physics Bldg.

[shobhnakapoor@chem.iitb.ac.in](mailto:shobhnakapoor@chem.iitb.ac.in)

+91 22-2576 7161

<https://shobhnakapoor.wixsite.com/skapoor>

- Molecular Biophysics and Chemical Biology with focus on lipids and lipid-induced signalling pathways
- Cellular signalling pathways involved in infectious diseases

**Professor****Kamendra P. Sharma**

Room 322, Chemistry Bldg.

[k.sharma@chem.iitb.ac.in](mailto:k.sharma@chem.iitb.ac.in)

+91 22 2576 7170

<http://ether.chem.iitb.ac.in/~k.sharma/>

- Liquid Crystals
- Polymers and Proteins
- Multifunctional Nanomaterials
- Soft Nano biomaterials

**Professor****Anindya Datta**

Room 206, Chemistry Building

[anindya@chem.iitb.ac.in](mailto:anindya@chem.iitb.ac.in)

+91 22 2576 7149

<https://adutta6.wixsite.com/anindya>

- Ultrafast Spectroscopy
- Excited state dynamics for photovoltaic applications
- Photophysics of fluorescent molecules and their application in the study of microenvironments



**Professor****Arindam Chowdhury**

Room 208, Chemistry Bldg.

[arindam@chem.iitb.ac.in](mailto:arindam@chem.iitb.ac.in)

+91 22 2576 7154

<http://ether.chem.iitb.ac.in/~arindam/>

- Single Molecule Spectroscopy
- Imaging, spectroscopy and dynamics of single fluorescent molecules/luminescent nanocrystals

**Professor****Achintya Kumar Dutta**

Room 380, Chemistry Bldg.

[achintya@chem.iitb.ac.in](mailto:achintya@chem.iitb.ac.in)

+91 22 2576 7156

<https://achintyachemist.wixsite.com/achintya>

- Physics and Chemistry of Anions
- Lower Scaling Excited State Methods
- Environmental effects on excited states

**Professor****Amber Jain**

Room 326, Chemistry Bldg.

[amberj@chem.iitb.ac.in](mailto:amberj@chem.iitb.ac.in)

+91 22 2576 7180

<https://amberj74.wixsite.com/quantumdynamics>

- Proton tunnelling
- Catalysis
- Chemical Dynamics simulations

**Professor****Rahul Maitra**

Room 325, Chemistry UG Lab. Transit Bldg.

[rmaitra@chem.iitb.ac.in](mailto:rmaitra@chem.iitb.ac.in)

+91 22 2576 7185

<https://rahulmaitra.wixsite.com/theomolscilab>

- Theoretical Quantum Chemistry
- Multi-Reference (MR) effects inclusive Single Reference (SR) Coupled Cluster (CC) theories for strongly correlated molecular systems

**Professor****Ishita Sengupta**

Room 4ZZ, Chemistry Bldg., 3rd floor Annex

[ishita@chem.iitb.ac.in](mailto:ishita@chem.iitb.ac.in)

+91 22 2576 7167

<https://www.iitk.ac.in/new/ishita-sengupta>

- Protein Structure and dynamics
- Biomolecular NMR spectroscopy
- Protein biophysics



# Department Staff



**Charine Astrid**  
Junior Technical  
Superintendent



**Neelam Bhave**  
Junior Laboratory  
Assistant



**Sushant  
Chopdekar**  
Junior Technical



**Narendra Gaikwad**  
Junior Laboratory  
Assistant



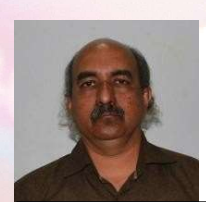
**Rajesh Gunjal**  
Junior Technical  
Superintendent



**Amol Hanumante**  
Junior Technical  
Superintendent



**Niteen Kadam**  
Junior Laboratory  
Assistant



**Narendra  
Kharade**  
Junior  
Superintendent



**Nitin  
Kokane**  
Support staff



**Darshan  
Mhatre**  
Junior Technical  
Superintendent



**Shweta Mohite**  
Junior Technical  
Superintendent  
choffice@chem.iitb.ac.in



**G. Naithani**  
Senior Messenger



**Bharat  
Paithankar**  
Junior Technical  
Superintendent



**Seema Pardeshi**  
Junior Assistant



**Sangeeta Prasad**  
Junior Technical  
Superintendent



**Ratish S.**  
System  
Administrator  
ratishcs@chem.iitb.



**Rajeev Shinde**  
Support  
Staff



**V. Tandel**  
Attendant  
PEB



**Sanjay  
Tembhurme**  
Junior Technical  
Superintendent



**Rupesh Toraskar**  
Attendant





## **Research Facilities Available**

The department of chemistry IIT Bombay boasts well equipped laboratories with ongoing research in the fields of Organometallic chemistry, Nanomaterials and Polymers, Spectroscopy, Physical chemistry, Inorganic chemistry, Catalysis, Biochemistry and Synthetic Organic Chemistry. The department provides core central facilities housing several modern instruments necessary for present day research.

- Single Crystal X-ray Diffractometer
- Differential Scanning Calorimeter
- Fluorescence Spectrophotometer
- Gas Chromatography-Mass Spectrometry (GCMS)
- Circular Dichroism Spectrophotometer
- Thermo gravimetric Differential Thermal Analyser
- Elemental Analyser (C, H, N and S)
- Nanosecond Laser Facility
- Atomic Force Microscopy (AFM)
- HPLC
- ATR-IR Spectrometer
- NMR Spectrometer (500 MHz)
- NMR Spectrometer (400 MHz)
- Electron Paramagnetic Resonance (EPR) (X-band and Q-band)
- Superconducting Quantum Interference Device (SQUID) and iHelium3 setup
- High Performance Computing (HPC) Cluster
- High Resolution Mass Spectrometry
- Surface Area Analyzer
- UV-Vis-NIR Spectrophotometer
- Single crystal X-ray diffraction for Macro Molecules





Circular Dichroism



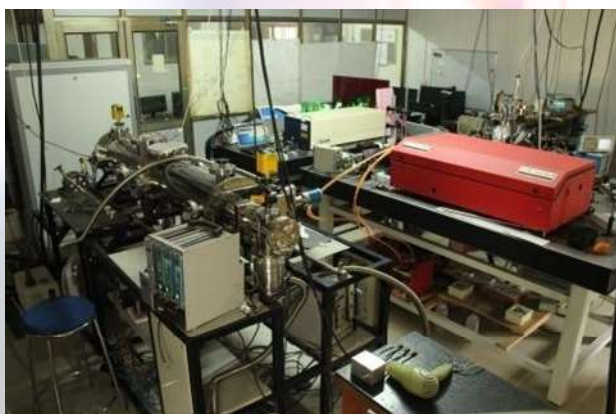
Single Crystal X-ray Diffractometer



Surface Area Analyser



Elemental Analyser (C, H, N and S)



Nanosecond Laser Facility



Superconducting Quantum  
Interference Device (SQUID)  
and iHelium3 setup





## Course Structure and Grading Policy

IITs follow a totally different pattern of examination and grading. In first and second semester, students have 5 theory courses including one programming course (in first semester only) and 3 labs, with a total of about 40 credits per semester. All courses are compulsory for every student. In third and fourth semester, students have to take 8 courses (4 compulsory+ 4 departmental electives) along with master year project in both semesters.

For every course taken by a student he/she is assigned a grade based on his/her combined performance over the semester in all the assessments in that course. These grades are described by the letters each of which carries a quantitative (numeric) equivalent called the **grade point** as given below.

<b>AP</b>	10	<b>FF**</b>	0 Fail (Eligible for one re-exam)
<b>AA</b>	10	<b>FR**</b>	0 Fail (Repeat the course)
<b>AB</b>	9	<b>DX***</b>	Fail (Lack of attendance - Repeat the course)
<b>BB</b>	8	<b>II#</b>	Incomplete (on health grounds)
<b>BC</b>	7	<b>DR</b>	Dropped
<b>CC</b>	6	<b>PP</b>	Passed
<b>CD</b>	5	<b>NP</b>	Not Passed
<b>DD**</b>	4	<b>AU</b>	Audit

**\*DD Grade** Minimum passing grade in a course is DD

### **\*\*FR and FF Grade**

The letter grades FF and FR shall be treated as failure grades. FR grade will be awarded in cases where in the opinion of the instructor, the student hasn't had adequate academic exposure to the course and should therefore repeat the course. FR grade may also be awarded in cases of minor malpractice in examinations/assessments

FF grade will be awarded in case/(s) where the students' performance in the examinations is not satisfactory (falls below DD grade). Student is eligible for reexamination, which is conducted as per the Academic Calendar. After reexamination FF grade may get converted



to (1) DD grade if she/he passes the reexamination or (2) FR grade if she/he fails in the reexamination

### **\*\*\*DX Grade**

The grade DX in a course is awarded if a student does not maintain the attendance requirement. The DX grades may also be awarded to the students having bad or incomplete in-semester records on non-medical reasons. The DX grade will be declared one week before the semester end exams and is not permitted to take the semester-end examination or re-examination in that course. Such a student has to re-register for the same course.

### **# Incomplete Grade (II)**

Grade 'II' is awarded if a student has satisfactory in-semester performance but has not appeared for the end-semester examination on medical grounds. 'II' grade will be converted into a performance grade after the re-examination.

### **##Audit Grade (AU)**

A student registered for a course as audit shall be awarded the grade on successful completion. If the student does not qualify for the grade AU, it will be assumed that the course has been dropped by that student.

### **Dropping of course(s)**

If any student finds his course load to be too heavy then he can drop one or more of his/her courses within a stipulated time. However, you are required to complete a minimum of 18 credits every semester. In case of electives the students need not to take the same courses, she/he can select any other elective(s) as well. Such courses will appear in the transcripts and final grade card with a 'W' grade (withdrawn grade). These courses will have





no impact on SPI/CPI. The last date for course drop will be included in the Academic Calendar.

### **Grade Improvement**

1. A student in a PG Programme, where minimum CPI for coursework is 6.0, will be eligible for repeating a course for grade improvement if he/ she has a CPI less than 6.0 and has been permitted by PGAPEC to continue in the Programme on Academic Probation.
2. For Grade improvement, a student has to re-register in the course in a subsequent semester if the course is offered. The grade obtained in the re-registered course will supersede the earlier grade and the same will be reflected in the Semester Grade Card and in the Final Transcript.
3. The student can avail this option only for TWO courses in the entire programme and only

### **Attendance:**

In general, the institute expects 100% attendance. However, due to ill health or other emergencies, absence up to 20% may be considered on production of documentary proof.

Link for **Course Curriculum**: <https://www.chem.iitb.ac.in/2msc-courses-new>

**Audit Courses:** After first semester, a student who wants an exposure to a course, without the rigors of obtaining a good grade, may audit a course with the permission of Faculty Advisor. They can audit a maximum of two courses per semester. The grade awarded is 'AU' on successfully passing the course.

---



**Additional Learning:** After the first semester, a student with an excellent academic standing may enhance her/his learning experience by registering for one additional course per semester.

**Use of NPTEL/SWAYAM Courses:** A student can take maximum of 12 credits of NPTEL/SWAYAM courses in lieu of departmental / institute elective courses, based on the approval from DPGC.

**Summer Term:** Master students may be allowed to register for courses, over and above the backlog courses, in the summer semester, but under an “Additional Learning (AL)” tag.

A student will be required to **discontinue the program** if

1. at the end of any semester there are two or more FR grades.
2. at the end of semester, a student has a CPI less than 6.0 (after Re-examination)

### **Some Important Terms**

**Course Credit:** Weighted sum of the number of Lecture hours (L), Tutorial hours (T), and Practical hours (P) associated with the course.

**Registration:** Semester wise enrollment for courses as per the prescribed curriculum.

**Semester Credits:** Sum of credits of courses registered by the student in a semester.

**Credits Earned:** Sum of credits earned by passing a course registered during the semester.

**Grade:** Qualitative assessment of the student's performance in a course indicated by the letters, AP, AA, AB, BB, BC, CC, CD, DD, II, FF, FR, DX, PP or NP Grade. DX or FR indicates that the student has to repeat the course. W indicates course withdrawn.

**Grade point:** Number equivalent of the letter grades given by 10, 9, 8, 7, 6, 5, 4, corresponding to AP and AA, AB, BB, BC, CC, CD, and DD, respectively. FR, DX carry zero





grade points, PP, and NP do not carry any grade points. It is a placeholder, gets converted to an appropriate grade after semester end reexamination. DR is just a position holder

**Instructor:** Member of faculty who teaches courses/labs.

**Semester Grade Points:** The sum of the products of credits and Grade Points for each course registered by a student in a semester.

**SPI:** Semester Performance Index which is obtained by dividing the Semester Grade Points by the Semester Credits.

**Cumulative Credits:** Sum of the Semester Credits for all the semesters taken together, wherein the credits of a course is not counted if an alternative course has been taken in lieu of it.

**Cumulative Grade Points:** Sum of the Semester Grade Points for all the semesters taken together, wherein the credits of a course is not counted if an alternative course has been taken in lieu of it.

**CPI:** Cumulative Performance Index which is obtained by dividing the Cumulative Grade Points by the Cumulative Credits.

**Transcript:** Consolidated statement of the Academic Performance of a student for all the semesters completed.

---

**INTERNSHIP DETAILS**

Name	University	Batch	Roll No.	EMAIL ID
Paras Gupta	Indiana University Bloomington	2021-23	215030012	<a href="mailto:parasgupta2211@gmail.com">parasgupta2211@gmail.com</a>
Sourav Samaddar	University of Virginia	2021-23	215030048	<a href="mailto:souravsamaddar97@gmail.com">souravsamaddar97@gmail.com</a>
Navadheer Yalamanchili	University of Virginia	2021-23	215030051	<a href="mailto:navadheer5@gmail.com">navadheer5@gmail.com</a>
Firdous Ahmad	Weizmann institute of science	2021-23	215030011	<a href="mailto:firdousahmad112000@gmail.com">firdousahmad112000@gmail.com</a>
Piyush Kumar Singh	Opulence Adyaant	2021-23	215030028	<a href="mailto:piyush.25official@gmail.com">piyush.25official@gmail.com</a>
Anmol Mishra	Ruhr University, Bochum	2021-23	215030039	<a href="mailto:mishraanmol2010@gmail.com">mishraanmol2010@gmail.com</a>
Mukund Sharma	Ruhr University, Bochum, Germany	2021-23	215030055	<a href="mailto:mukundsharma369@gmail.com">mukundsharma369@gmail.com</a>
Sandip Kumar Mishra	University of Manitoba	2021-23	215030032	<a href="mailto:sandipmishra041@gmail.com">sandipmishra041@gmail.com</a>
Anika	IIT Roorkee	2021-23	215030004	<a href="mailto:anikamonga24@gmail.com">anikamonga24@gmail.com</a>
Elisa Chakraborty	IIT Indore	2021-23	215030043	<a href="mailto:elisachakraborty@gmail.com">elisachakraborty@gmail.com</a>
Supriya Singha	IIT Indore	2021-23	215030044	<a href="mailto:ssingha5601@gmail.com">ssingha5601@gmail.com</a>
Ayan Santra	Institute of Nano Science and Technology	2021-23	215030046	<a href="mailto:ayansantra242@gmail.com">ayansantra242@gmail.com</a>
Arkopam Das	Foodvez	2021-23	215030045	<a href="mailto:arkopam@gmail.com">arkopam@gmail.com</a>
Karan Asnani	Defence research development organisation (DRDO) Jodhpur	2021-23	215030009	<a href="mailto:karan.asnani1422@gmail.com">karan.asnani1422@gmail.com</a>
Malavika S	University of Mysore, Karnataka	2020-22	205030001	<a href="mailto:malavika0505@gmail.com">malavika0505@gmail.com</a>
Partha Sarathi Hazra	Indian Institute of Technology, Bombay	2020-22	205030035	<a href="mailto:hazrap034@gmail.com">hazrap034@gmail.com</a>
Bhavnes Jangid	IISER, TVM	2020-22	205030013	<a href="mailto:jangidbhavnes@gmail.com">jangidbhavnes@gmail.com</a>
Shravan Kumar Sharma	IISER, TVM	2020-22	205030046	<a href="mailto:sharvanksharma97@gmail.com">sharvanksharma97@gmail.com</a>
Harjeet Singh	IISER, TVM	2020-22	205030005	<a href="mailto:harjeetsinghgoru@gmail.com">harjeetsinghgoru@gmail.com</a>
Geeta Kumari	University of Lisbon, Portugal	2020-22	205030017	<a href="mailto:kumarigeeta262@gmail.com">kumarigeeta262@gmail.com</a>
Krishnendu Dey	IISER, KOLKATA	2020-22	205030032	<a href="mailto:krishnendudey1999@gmail.com">krishnendudey1999@gmail.com</a>
Ajit Yadav	National Institute of Chemistry, Slovenia	2019-21	195030034	<a href="mailto:ajit.cni@gmail.com">ajit.cni@gmail.com</a>
Simran	National Institute of Chemistry, Slovenia	2019-21	195030006	<a href="mailto:195030006@iitb.ac.in">195030006@iitb.ac.in</a>
Aashi Kasera	Indiana University, USA	2019-21	195030005	<a href="mailto:aashikasera@gmail.com">aashikasera@gmail.com</a>
Ravi Kumar Maurya	Indiana University, USA	2019-21	195030021	<a href="mailto:195030031@iitb.ac.in">195030031@iitb.ac.in</a>



Saikat Pandit	Indiana University, USA	2019-21	195030044	<a href="mailto:saikatpandit41@gmail.com">saikatpandit41@gmail.com</a>
Achyut Ranjan Gogoi	NorthEastern University, Boston, USA	2019-21	195030016	<a href="mailto:achyutrone@gmail.com">achyutrone@gmail.com</a>
Sahil Singh	University of Newcastle, Australia	2019-21	195030011	<a href="mailto:troubleshootsahil12@gmail.com">troubleshootsahil12@gmail.com</a>
Sagar Dhanraj	University of Newcastle, Australia	2019-21	195030032	<a href="mailto:sagardhanraj7278@gmail.com">sagardhanraj7278@gmail.com</a>
Suraj Shukla	University of Newcastle, Australia	2019-21	195030017	<a href="mailto:surajshukla872@gmail.com">surajshukla872@gmail.com</a>
Somnath Guria	University of Newcastle, Australia	2019-21	195030039	<a href="mailto:somnathguria64@gmail.com">somnathguria64@gmail.com</a>
Arnab Sadhukhan	University of Newcastle, Australia	2019-21	195030043	<a href="mailto:sadhukhanarnab339@gmail.com">sadhukhanarnab339@gmail.com</a>
Debasree Mandal	JNCASR, India	2019-21	195030041	<a href="mailto:debarsree.mandal99@gmail.com">debarsree.mandal99@gmail.com</a>
Akanksha Gupta	Doubtnut (WFH)	2019-21	195030021	<a href="mailto:akankshagupta369@gmail.com">akankshagupta369@gmail.com</a>

\*\*Internships for our seniors in Batch 2019-21 were not completed due to COVID-19 Outbreak



## PhD SELECTIONS

Name	University	Batch	Email Id	Contact
Arnab Bachhar	Virginia tech	2020-22	<a href="mailto:arnabbachhar39@gmail.com">arnabbachhar39@gmail.com</a>	7602217917
Partha Sarathi Hazra	1. University College London 2. Ohio State University 3. University of Arizona 4. Pennsylvania State University 5. Indiana University Bloomington	2020-22	<a href="mailto:catalysis.partha@gmail.com">catalysis.partha@gmail.com</a>	7908281593
Chintu Das	Ruhr-Universität Bochum	2020-22	<a href="mailto:chintudasang@gmail.com">chintudasang@gmail.com</a>	8638883603
Priyanda Giri	1. University of Pennsylvania Georgia Institute of Technology 2. Purdue University 3. Texas A&M University	2020-22	<a href="mailto:priyandagiri@gmail.com">priyandagiri@gmail.com</a>	9599014972
Sagnik Chatterjee	Max-Planck-Institut für Kohlenforschung	2020-22	<a href="mailto:sagnikchatterjee@iitb.ac.in">sagnikchatterjee@iitb.ac.in</a>	6290172331
Shravan Kumar Sharma	1. University of Notre Dame 2. Temple University 3. Tulane University	2020-22	<a href="mailto:ssharma5@nd.edu">ssharma5@nd.edu</a>	8742032609
Sayantani Sur	1. Texas A&M University 2. University of Illinois Urbana Champaign 3. University of North Carolina Chapel Hill 4. University of Massachusetts Amherst	2020-22	<a href="mailto:sayantaniirus@gmail.com">sayantanirus@gmail.com</a>	9432592194
Harjeet Singh	1. University of Pittsburgh 2. University of British Columbia 3. Virginia Tech	2020-22	<a href="mailto:harjeetsinghgoru@gmail.com">harjeetsinghgoru@gmail.com</a>	9384841313
Radhesh Agarwal	Temple University	2020-22	<a href="mailto:radhesh.agarwal@gmail.com">radhesh.agarwal@gmail.com</a>	7042670711





Bhavnes Jangid	1. University of Chicago 2. Max Planck institute of Kohlensforg 3. University of Cambridge 4. University of Zurich 5. University of Minnesota 6. VirginiaTech	2020- 22	<a href="mailto:jangidbhavneshiitb@gmail.com">jangidbhavneshiitb@gmail.com</a>	9660517377
Shirsendu Das	University of Twente	2020- 22	<a href="mailto:nameisdasg@gmail.com">nameisdasg@gmail.com</a>	9144391864
Krishnendu Dey	University of Bonn	2020- 22	<a href="mailto:krishnendudey1999@gmail.com">krishnendudey1999@gmail.com</a>	7797493591
Biman Bhunia	University of York	2020- 22	<a href="mailto:bbhunia0000@gmail.com">bbhunia0000@gmail.com</a>	7407089991
Gautam kumar mehta	1. Arizona State University (US) 2. University of bristol (UK) 3. University of Austria (Europe)	2020- 22	<a href="mailto:gautamsep1@gmail.com">gautamsep1@gmail.com</a>	9852406854
Akanksha	1. University of Minnesota, USA 2. University of Chicago, USA 3. University of Pittsburgh, USA 4. Johns Hopkins University, USA	2019- 21	<a href="mailto:akankshagupta@gmail.com">akankshagupta@gmail.com</a>	7351950422
Achyut Ranjan Gogoi	1. Texas A&M University, USA 2. Stony Brook University, USA	2019- 21	<a href="mailto:achyutrone@gmail.com">achyutrone@gmail.com</a>	9958431365
Saikat Pandit	Max Planck Institut fur kohlenforschung, Germany	2019- 21	<a href="mailto:saikatpandit41@gmail.com">saikatpandit41@gmail.com</a>	8116662765
Shweta Gaikwad	1. Pennsylvania State University, USA 2. Rutgers University, USA	2019- 21	<a href="mailto:Gaikwadshweta199728@gmail.com">Gaikwadshweta199728@gmail.com</a>	9987678934
Arnab Sadhukhan	Queen's University, Canada	2019- 21	<a href="mailto:sadhukhanarnab267@gmail.com">sadhukhanarnab267@gmail.com</a>	8372815775
Sourav Mondal	1. University of Oxford 2. Goethe University Frankfurt	2018- 20	<a href="mailto:souravmondal627@gmail.com">souravmondal627@gmail.com</a>	8373899989



Souvik Adak	Indiana University, Bloomington	2018-20	<a href="mailto:souvikadak1036@gmail.com">souvikadak1036@gmail.com</a>	8240842161
Subhabrata Dutta	WestfälischeWilhelms-UniversitätMünster, Germany.	2018-20	<a href="mailto:rs86327@gmail.com">rs86327@gmail.com</a>	9867421415
Rupal Baliyan	University of Minnesota	2018-20	<a href="mailto:baliyanrupal2810@gmail.com">baliyanrupal2810@gmail.com</a>	7011589054
Sourjya Mal	WWU MUNSTER	2018-20	<a href="mailto:isourjyamal99@gmail.com">isourjyamal99@gmail.com</a>	8942027497
Suman Das Adhikary	University of Texas at Arlington	2018-20	<a href="mailto:sdaiitb2018@gmail.com">sdaiitb2018@gmail.com</a>	8927239359
Amardeep Kumar	University of Cambridge (UK), IU (USA), University of Paris, France	2018-20	<a href="mailto:amarujala40@gmail.com">amarujala40@gmail.com</a>	8130366795
Saikat Mondal	1.Ohio State University, USA 2.Texas A&M University ,USA 3.University of Rochester, USA 4.Arizona state University	2018-20	<a href="mailto:saikatmondal56@gmail.com">saikatmondal56@gmail.com</a>	8420552909

### PLACEMENT DETAILS

Name	Company	Batch	Email Id	Contact
Geeta Kumari	Jay Chemicals	2020-22	<a href="mailto:kumarigeeta262@gmail.com">kumarigeeta262@gmail.com</a>	7986732951
Vikas Agrawal	Inventys Research Company	2020-22	<a href="mailto:vikashagr2000@gmail.com">vikashagr2000@gmail.com</a>	7905815407
Umesh Chauhan	BYJU'S - The Learning App	2020-22	<a href="mailto:uschauhan160@gmail.com">uschauhan160@gmail.com</a>	9594165947
Neeraj Kumar	Jay Chemicals	2020-22	<a href="mailto:neerajkamboj101@gmail.com">neerajkamboj101@gmail.com</a>	8607334103
Shishir Tripathi	Byjus	2020-22	<a href="mailto:Tripathishishir88@gmail.com">Tripathishishir88@gmail.com</a>	7275816298
Aashi Kasera	Research trainee, BASF, Navi Mumbai	2019-21	<a href="mailto:aashikasera@gmail.com">aashikasera@gmail.com</a>	9711337200
Aakash Chandresh Sheth	Tomorrow Genius India Pvt. Ltd. (TG campus)	2018-20	<a href="mailto:185030018@iitb.ac.in">185030018@iitb.ac.in</a>	7990253563
Banti Barman	UltraTech, Aditya Birla Group	2018-20	<a href="mailto:banti.barman@adityabirla.com">banti.barman@adityabirla.com</a>	8599984579





Shaifali	Vantage Research	2018-20	<a href="mailto:shaifalisaroha5@gmail.com">shaifalisaroha5@gmail.com</a>	8743880588
Ria Miglani	Bekaert Industries	2018-20	<a href="mailto:riamiglani@gmail.com">riamiglani@gmail.com</a>	9999175514
Harshita Khurana	Bharti Axa General Insurance Company	2018-20	<a href="mailto:harshitakhurana90@gmail.com">harshitakhurana90@gmail.com</a>	9560103793
Mahesh	BYJUS	2018-20	<a href="mailto:mahesh.yadav34042@gmail.com">mahesh.yadav34042@gmail.com</a>	8130038860
Dipankar Kundu	Scientific Officer, BARC	2018-20	<a href="mailto:dipankarchem111@gmail.com">dipankarchem111@gmail.com</a>	8609112052



## MEET YOUR SENIORS

Name	Contact No.	Email	Guide
Piyush Kumar Singh	7693881975	<a href="mailto:piyush.25official@gmail.com">piyush.25official@gmail.com</a> <a href="mailto:215030028@iitb.ac.in">215030028@iitb.ac.in</a>	Prof. Y.U. Sashidhar
Arkopam Das	9674558910	<a href="mailto:arkopam@gmail.com">arkopam@gmail.com</a> <a href="mailto:215030045@iitb.ac.in">215030045@iitb.ac.in</a>	Prof. M Ravikanth
Sourav Samaddar	9830149079	<a href="mailto:souravsamaddar97@gmail.com">souravsamaddar97@gmail.com</a> <a href="mailto:215030048@iitb.ac.in">215030048@iitb.ac.in</a>	Prof. Arnab Dutta
Lalit Yadav	9999827758	<a href="mailto:lalitmr.360@gmail.com">lalitmr.360@gmail.com</a> <a href="mailto:215030003@iitb.ac.in">215030003@iitb.ac.in</a>	Prof Nand Kishore
Kanhaiya Lal Jat	8003770714	<a href="mailto:kanhaiyajat486@gmail.com">kanhaiyajat486@gmail.com</a> <a href="mailto:215030010@iitb.ac.in">215030010@iitb.ac.in</a>	Prof. Anil Kumar
Poonam Chand	7568891128	<a href="mailto:poonamchand02020@gmail.com">poonamchand02020@gmail.com</a> <a href="mailto:215030008@iitb.ac.in">215030008@iitb.ac.in</a>	Prof. Arindam Chowdhury
Piyali Mondal	7044086761	<a href="mailto:piyalimondal39@gmail.com">piyalimondal39@gmail.com</a> <a href="mailto:215030042@iitb.ac.in">215030042@iitb.ac.in</a>	Prof. Suvarn S. Kulkarni
Anjana Pandey	8929780476	<a href="mailto:anjanapandey525@gmail.com">anjanapandey525@gmail.com</a> <a href="mailto:215030017@iitb.ac.in">215030017@iitb.ac.in</a>	Prof. Maheswaran S.
Divya Kumari	9079651761	<a href="mailto:divyakumari33332@gmail.com">divyakumari33332@gmail.com</a> <a href="mailto:215030016@iitb.ac.in">215030016@iitb.ac.in</a>	Prof. Pradeep Kumar P.I.
Anshuman Samanta	8116966887	<a href="mailto:215030040@iitb.ac.in">215030040@iitb.ac.in</a>	Prof. Anindya Dutta
Hanshika Arya	8127452017	<a href="mailto:hanshika.muskan@gmail.com">hanshika.muskan@gmail.com</a> <a href="mailto:215030029@iitb.ac.in">215030029@iitb.ac.in</a>	Prof. M.S. Balakrishna
Lakshyaraj Kamal	7568693476	<a href="mailto:215030005@iitb.ac.in">215030005@iitb.ac.in</a>	Prof. Rahul Maitra
Sabiha Parveen	8445799624	<a href="mailto:psabiha2412@gmail.com">psabiha2412@gmail.com</a> <a href="mailto:215030054@iitb.ac.in">215030054@iitb.ac.in</a>	Prof. Chandra M. R. Volla
Anuj Shukla	7355694149	<a href="mailto:anujshukla07061999@gmail.com">anujshukla07061999@gmail.com</a> <a href="mailto:215030038@iitb.ac.in">215030038@iitb.ac.in</a>	Prof G.K Lahiri
Soumya Modak	7278357439	<a href="mailto:soumyamodak234@gmail.com">soumyamodak234@gmail.com</a> <a href="mailto:215020041@iitb.ac.in">215020041@iitb.ac.in</a>	Prof. Santosh J. Gharpure
Avika	8700398484	<a href="mailto:31avika@gmail.com">31avika@gmail.com</a> <a href="mailto:215030020@iitb.ac.in">215030020@iitb.ac.in</a>	Prof. Sandip Kar
Hariom Srivastava	6387539282	<a href="mailto:srivastavahariom54@gmail.com">srivastavahariom54@gmail.com</a> <a href="mailto:215030033@iitb.ac.in">215030033@iitb.ac.in</a>	Prof. Nandita Madhavan
Ananya singh	6396555482	<a href="mailto:ananyasingh232000@gmail.com">ananyasingh232000@gmail.com</a> <a href="mailto:215030053@iitb.ac.in">215030053@iitb.ac.in</a>	Prof. Gopalan Rajaraman





Name	Contact No.	Email	Guide
Vinay	7497011245	<a href="mailto:vnkadian@gmail.com">vnkadian@gmail.com</a> <a href="mailto:215030022@iitb.ac.in">215030022@iitb.ac.in</a>	Prof. INN Namboothiri
Mukund Sharma	9717452505	<a href="mailto:mukundsharma369@gmail.com">mukundsharma369@gmail.com</a> <a href="mailto:215030055@iitb.ac.in">215030055@iitb.ac.in</a>	Prof. Gopalan Rajaraman
Swapnil vijay	7260812322	<a href="mailto:swapnil.rkm2@gmail.com">swapnil.rkm2@gmail.com</a> <a href="mailto:215030027@iitb.ac.in">215030027@iitb.ac.in</a>	Prof. Bhawna Kapoor
Sandip Kumar Mishra	7881163711	<a href="mailto:sandipmishra041@gmail.com">sandipmishra041@gmail.com</a> <a href="mailto:215030032@iitb.ac.in">215030032@iitb.ac.in</a>	Prof. Debabrata Maiti
Priyanka swami	8209653743	<a href="mailto:Priyankaswami1711@gmail.com">Priyankaswami1711@gmail.com</a> <a href="mailto:215030007@iitb.ac.in">215030007@iitb.ac.in</a>	Prof. Ruchi anand
Jaideep Mondal	9083040894	<a href="mailto:jaideepmondal567@gmail.com">jaideepmondal567@gmail.com</a> <a href="mailto:215030049@iitb.ac.in">215030049@iitb.ac.in</a>	Prof. Irishi. N. N. Namboothiri
Banavath Laxman	9703334634	<a href="mailto:laxmanbanavath9@gmail.com">laxmanbanavath9@gmail.com</a> <a href="mailto:215030002@iitb.ac.in">215030002@iitb.ac.in</a>	Prof. Sanjog S Nagarkar
Divyansh Verma	6392183827	<a href="mailto:divyanshverma24702@gmail.com">divyanshverma24702@gmail.com</a> <a href="mailto:215030031@iitb.ac.in">215030031@iitb.ac.in</a>	Prof. Kamendra P. Sharma
Supriya Singha	6295973403	<a href="mailto:215030044@iitb.ac.in">215030044@iitb.ac.in</a>	Prof Krishna P Kaliappan
Ayan Santra	9093316047	<a href="mailto:ayansantra242@gmail.com">ayansantra242@gmail.com</a> <a href="mailto:215030046@iitb.ac.in">215030046@iitb.ac.in</a>	Prof. Srinivasan Ramakrishnan
Sushant Singh	9554739607	<a href="mailto:sushantsinghrathore18@gmail.com">sushantsinghrathore18@gmail.com</a> <a href="mailto:215030030@iitb.ac.in">215030030@iitb.ac.in</a>	Prof. M. Ravikanth
Changni Yanschang	8134072517	<a href="mailto:changniyanschang123@gmail.com">changniyanschang123@gmail.com</a> <a href="mailto:215030026@iitb.ac.in">215030026@iitb.ac.in</a>	Prof. Anil Kumar
Sheetal	9910152486	<a href="mailto:sheetaljan1164@gmail.com">sheetaljan1164@gmail.com</a> <a href="mailto:215030001@iitb.ac.in">215030001@iitb.ac.in</a>	Prof Krishna P Kaliappan
Anmol Mishra	7656943529	<a href="mailto:215030039@iitb.ac.in">215030039@iitb.ac.in</a>	Prof. Achintya Kumar Dutta
Sarbajeet Chakraborty	8178256888	<a href="mailto:chakraborty.sarbajeet1729@gmail.com">chakraborty.sarbajeet1729@gmail.com</a> <a href="mailto:215030052@iitb.ac.in">215030052@iitb.ac.in</a>	Prof. G.K.Lahiri
Karan Asnani	7425015722	<a href="mailto:karan.asnani1422@gmail.com">karan.asnani1422@gmail.com</a> <a href="mailto:215030009@iitb.ac.in">215030009@iitb.ac.in</a>	Prof. Subramaniam Chandramouli
Anika	7015052589	<a href="mailto:anikamonga24@gmail.com">anikamonga24@gmail.com</a> <a href="mailto:215030004@iitb.ac.in">215030004@iitb.ac.in</a>	Prof. Debabrata Maiti
Rubal	9306523717	<a href="mailto:215030019@iitb.ac.in">215030019@iitb.ac.in</a>	Prof. Subramaniam Chandramouli
Sanyogita Verma	8005365186	<a href="mailto:sanyogitaverma9950@gmail.com">sanyogitaverma9950@gmail.com</a> <a href="mailto:215030035@iitb.ac.in">215030035@iitb.ac.in</a>	Prof Chidambar Kulkarni
Navadheer Yalamanchili	7981823521	<a href="mailto:215030051@iitb.ac.in">215030051@iitb.ac.in</a>	Prof. Chandra M. R. Volla
Shivam Yadav	9628268296	<a href="mailto:215030037@iitb.ac.in">215030037@iitb.ac.in</a>	Prof. R. Murugavel
Prince Sethi	7727879003	<a href="mailto:215030025@iitb.ac.in">215030025@iitb.ac.in</a>	Prof. Amber jain



Name	Contact No.	Email	Guide
Raj chaurasia	8726625927	<a href="mailto:215030036@iitb.ac.in">215030036@iitb.ac.in</a>	Prof. Chidambar Kulkarni
Himanshu Kumar	7004522735	<a href="mailto:ahimanshukumar222@gmail.com">ahimanshukumar222@gmail.com</a> <a href="mailto:215030050@iitb.ac.in">215030050@iitb.ac.in</a>	Prof. Rajarshi Chakraborty
Siddhant Yadav	9871805461	<a href="mailto:yadavsiddhant00@gmail.com">yadavsiddhant00@gmail.com</a> <a href="mailto:215030021@iitb.ac.in">215030021@iitb.ac.in</a>	Prof. Anindya Dutta
Neeraj Chunnalal Maurya	9325854659	<a href="mailto:mauryaneeraj304@gmail.com">mauryaneeraj304@gmail.com</a> <a href="mailto:2150300015@iitb.ac.in">2150300015@iitb.ac.in</a>	Prof. Prasenjit Ghosh
Tishant	9728236686	<a href="mailto:sainitishant836@gmail.com">sainitishant836@gmail.com</a> <a href="mailto:215030023@iitb.ac.in">215030023@iitb.ac.in</a>	Prof. Rodney A. Fernandes
Faijan	9917225184	<a href="mailto:faijankhan991722@gmail.com">faijankhan991722@gmail.com</a> <a href="mailto:215030013@iitb.ac.in">215030013@iitb.ac.in</a>	Prof. Maheswaran S.
Neha Yadav	9319250329	<a href="mailto:215030018@iitb.ac.in">215030018@iitb.ac.in</a>	Prof. R Murugavel
Firdous Ahmad	8340718052	<a href="mailto:firdousahmad112000@gmail.com">firdousahmad112000@gmail.com</a> <a href="mailto:215030011@iitb.ac.in">215030011@iitb.ac.in</a>	Prof. Santosh J. Gharpure
Nitish kumar	8210629745	<a href="mailto:215030034@iitb.ac.in">215030034@iitb.ac.in</a>	Prof. Ishita Sengupta
Elisa Chakraborty	8343965156	<a href="mailto:elisachakraborty@gmail.com">elisachakraborty@gmail.com</a> <a href="mailto:215030043@iitb.ac.in">215030043@iitb.ac.in</a>	Prof. Suvarn S. Kulkarni
Swastik Kumar	6397862800	<a href="mailto:Swastikkumar166@gmail.com">Swastikkumar166@gmail.com</a> <a href="mailto:215030014@iitb.ac.in">215030014@iitb.ac.in</a>	Prof. Raghavan B. Sunoj
Paras Gupta	9354547306	<a href="mailto:parasgupta2211@gmail.com">parasgupta2211@gmail.com</a> <a href="mailto:215030012@iitb.ac.in">215030012@iitb.ac.in</a>	Prof. Arnab Dutta
Manish Gupta	9354605790	<a href="mailto:215030024@iitb.ac.in">215030024@iitb.ac.in</a>	Prof. G. Naresh Patwari





## What Experience Says:-

Hey juniors!

By the time you read this, it would officially be a year since our academic session at IITB for the batch 2021-23 began. Back to the normal that we had been longing for, and leaving back the "new normal" that we were fed up with, here are some words of advice from your seniors based on our experiences to help cope with the scenario of college or classes: -

- 1) Be **Approachable**. The key to an easier and enjoyable life is to start interacting and knowing each other as soon as you join IITB. It doesn't matter how shy or introverted you once were just give conversations a try. Do not worry, it isn't a great deal at all, so go ahead and make some amazing bonds. A quick hack - make good friends as early as possible, because they would make your life at IIT-B a lot easier and enjoyable. From academics to Fashion and Technology to compassion, life at IIT-B is really an uncharted territory of fun and enigma waiting to be explored.
- 2) Be **Opportunistic**. Your joining at IITB will be commemorated with your mail getting flooded with lots of opportunities. Try them out definitely, and enjoy! There are many Positions of Responsibilities or POR as we call them in short, for you here at IITB, grab them up! From Clubs to Department council to Placement cell to Hult prize, you name your interest and you have a POR related to it, taking a POR not only helps you hone your People skills, Communication Skills, and Team skills but also becomes an extra merit point on your CV which would help you in developing a better profile for your future endeavors.
- 3) Be **Besharam**. Yes, you read it correctly! Never hesitate in asking for help from your seniors. Text them, or ring them up, without any apprehension of being judged. If they are busy, do give them a reminder! Do not be scared. Do the same when you are doing Groundworks for any POR. This can also be equated to not having any ego, which will help you in the long run.
- 4) Be **Fit**. A balanced lifestyle is of paramount importance for the time that you will spend here. Do engage in sports activities, yoga, swimming or whatever makes you enthusiastic. To be honest, it is very difficult to stay away from the calls of the lush green Gymkhana ground. Interact with your friends. Connect with your family. Socialize with different people in your hostel. Shape yourself and shine higher!

With these words and a lovely smile, we embrace your arrival,

**Welcome to IIT Bombay, juniors!**







## IITB SPORTS

The IITB gymkhana is home to a wide range of sports, both indoor and outdoor. The facilities provided to the students to match international standards are one of the best in the country. IIT Bombay sports organizes General Championships, Tournaments, and other fitness camps and activities throughout the year. AAVHAN, IIT Bombay's premier sports festival is a call to all those who live, dream and breathe sports. Inter-IIT is the epitome of all competitive events that any IITian can ever experience.

PG General Championship is the interdepartmental championship for the Postgraduates where every PG student gives their best to collect points for their respective departments. It has always been a roll-on with all the departments fighting for the GC trophy. The feeling of victory here is one that you will remember for years to come.

Visit the site here: <https://gymkhana.iitb.ac.in/~sports/>





## Chemistry in Action

**“Enjoy the game and chase your dream. Dreams do come true” – Sachin Tendulkar**

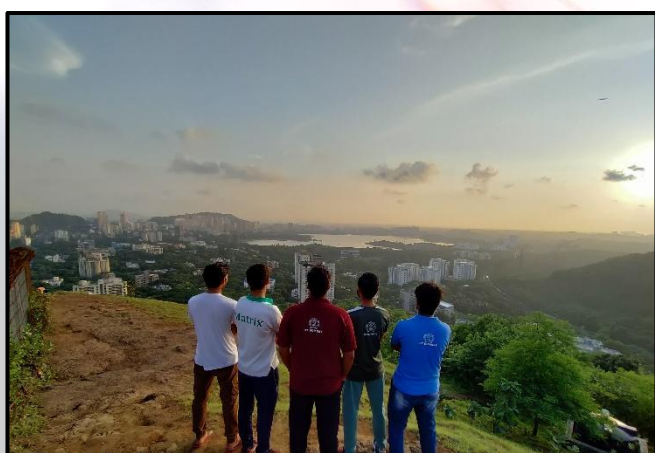
Being the most prestigious institute of the India, IIT Bombay is host of plethora of sports activities and is equipped with finest of sports facilities. Our department is full of sports enthusiast and we not only excel in research but also in sports. Every year we secure top position among 21 departments in PGGC (i.e., is an inter-department sports competition). On the other hand, we also organize intra-department indoor, outdoor and board games, where the entire department comes under one roof to participate. Through these competitions, we aim to promote interaction among faculty members and students to reduce the communication gap. IIT Bombay provides ample opportunities to the players to sharpen their game and also organizes several camps for pioneers to take on a new game. However last year was quite different than the previous years in terms of exposure and opportunities to pursue a wide range of activities, but we did succeed in organizing numerous online games, and seen a huge participation from the department, and We hope the same from coming batch too. So, lets “Learn, Play and Enjoy”



FACULTY VS STUDENT CRICKET MATCH



INTERDEPARTMENT CRICKET MATCH



SAMEER HILL



BOAT HOUSE

Some Important links

PG Sports Website: <https://gymkhana.iitb.ac.in/~sports/>

PG Sports Council Facebook link: <https://www.facebook.com/iitbpgsports>

Department sports page: <https://www.facebook.com/groups/601151297214449/>





## Message to Freshers

### Arkopam Das (Best Speaker, SAMWAAD Group Discussion Session by Abhyuday)



A Group Discussion session that was intellectually stimulating and enriching made us aware of the problems and possible ways outs related to climate change through exchanging ideas. I would definitely encourage my juniors to grasp any such opportunity they come across. Such exposures will definitely aid in shaping and boosting their personality and confidence.

**Phone:** 9674558910

**WhatsApp:** 9674558910

**Mail:** [arkopam@gmail.com](mailto:arkopam@gmail.com)

### Hanshika Arya (Runner Up of Dance Competition, PG cult Phase 1 informal)

I have always been passionate about dancing. Though the last semesters were online, the cultural council of the institute still managed to organize the competitions beautifully. I never thought the online cultural events could be this much exciting and fun. I only wanted to say that always be open to participating in the events that IITB offers you because, in the end, it's these little things you will remember. And trust me, you will have fun in the cultures that institute provides us.

**Phone:** 8127452017

**WhatsApp:** 8127452017

**Mail:** [hanshika.muskan@gmail.com](mailto:hanshika.muskan@gmail.com)



### Neha Yadav (Runner up, Road Runner Virtual PGGC)

I'm not at all a nerd; hence, extracurricular activities like singing, dancing, and sports always attract me. My motto is simple - Participate for fun, not to win. I live up to that as well. I hope my juniors will also explore the world outside books and labs. It will definitely have a positive impact; trust me on this.

**Phone:** 9319250329

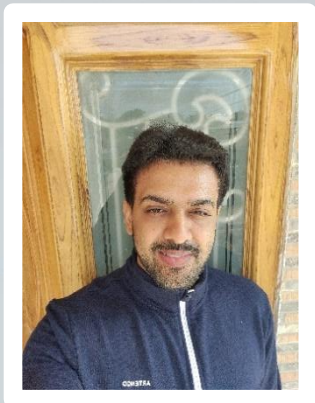
**WhatsApp:** 9319250329

**Mail:** [yadavneha811999@gmail.com](mailto:yadavneha811999@gmail.com)





Swapnil Vijay  
(Runner up, Fitness freaks)



Phone: 7488561167  
WhatsApp: 7260812322  
Mail: swapnil.rkm2@gmail.com

Siddhant Yadav  
(Runner up, Fitness freaks)



Phone: 9871805461  
WhatsApp: 9871805461  
Mail: yadavsiddhant00@gmail.com

Paras Gupta  
(First, Artist of the Month)



Phone: 9354547306  
WhatsApp: 9354547306  
Mail: parasgupta22111999@gmail.com

## • OTHERS



PG CULT PHASE 2



VIHAR LAKE



KURTA DAY



IITB HOLI





## Important information you should know:

1. **LDAP ID:** It is the unique identification of each individual in IIT Bombay. By default the LDAP ID assigned to you will be your roll number and the associated password will be generated after you have come to the institute and the requisite registration processes are completed
2. **Moodle:** It is the website which provides for academic interactions between faculty and students in IIT Bombay. From Moodle, you can download all the course materials uploaded by the Course Instructor for the course you have registered for and also interact with the faculty and it is a forum for academic discussions. **Link:** <http://moodle.iitb.ac.in>
3. **Webmail:** This is your personalized email in IIT B. You will get your Id when you get enrolled in IITB.  
**Link:** <https://webmail.iitb.ac.in>
4. **ASC:** This is the main website for all your administrative needs. You can pay your fees, register for courses, check syllabi of various courses and alsomany other things. **Link:** <http://asc.iitb.ac.in>
5. **CAMP:** The following things will be available in CAMP Website –
  - Changing Password
  - Changing UserID (Only Once)
  - Modifying Personal Details
  - Set / Reset mail Auto Reply Text
  - Set / Reset mail Forwarding
  - Hostel Sys-Ads List
  - Find your UserID from Roll number / Employee Number
6. **Link for External ASC site:** Here you can see your academic records and this site can also be used be used for document verification.  
**Link:** <https://portal.iitb.ac.in/asc/Login>  
**Link:** <https://www.cc.iitb.ac.in/camp/>





## **Links for other miscellaneous purposes**

1. Accessing IITB Internal Sites with VPN  
<https://www.cc.iitb.ac.in/page/services-vpnssh>
2. Configuring IITB-Wireless in laptop/android/desktop:  
<https://www.cc.iitb.ac.in/page/configurewireless>
3. Access GPO mail on mobile mail:  
<http://homepages.iitb.ac.in/~yatindestel/docs/GPO%20in%20Gmail.pdf>
4. Free Licensed Software  
<https://www.cc.iitb.ac.in/page/services-software>
5. How to forward GPO mail to Gmail  
<http://camp.iitb.ac.in/cgi-bin/index.cgi>
6. Rules and Regulations for M.Sc.  
<http://www.iitb.ac.in/newacadhome/rulesPG.jsp>
7. Link for External ASC site  
<https://portal.iitb.ac.in/asc/Login>
8. Link for Central Library  
<https://www.library.iitb.ac.in/>
9. Link for Internship Portal  
<http://placements.iitb.ac.in/internship/login.jsp>
10. Link for placement portal  
<http://placements.iitb.ac.in/placements/login.jsp>
11. Link for academic calendar  
<http://www.iitb.ac.in/newacadhome/toacadcalender.jsp>
12. Link for academic timetable  
<http://www.iitb.ac.in/newacadhome/timetable.jsp>
13. Link for IITB Holiday List  
<http://www.iitb.ac.in/en/about-iit-bombay/iit-bombay-holidays-list>
14. Link for circulars  
<http://www.iitb.ac.in/newacadhome/circular.jsp>

## Some Useful Apps:

- **InstiApp:**

InstiApp is an Android App that helps you navigate through the IIT Bombay Campus. It is a one stop solution for all the queries above and beyond. An app of the insti, for the insti, and by the insti, it connects all the aspects of one's insti life, weaving around hostels, academics, co-curricular activities and recreation.

Download Link: [https://play.google.com/store/apps/details?id=app.insti&hl=en\\_IN](https://play.google.com/store/apps/details?id=app.insti&hl=en_IN)

- **Instimap:**

InstiMap is a searchable map of the campus, specially designed for first time visitors and new entrants, to find their way around IIT Bombay with ease. It is available on instiApp - an Android App that helps you navigate through the various events on IIT Bombay Campus, is available at: <https://insti.app/map>.

- **m-Indicator:**

This app contains the Local Train Timings of Mumbai and also details the local train routes for IIT Bombay. One can also find the various bus routes and the bus numbers on this app.

Download Link: <https://play.google.com/store/apps/details?id=com.mobond.mindicator>

- **OpenVPN Connect App:**

OpenVPN Connect is the official VPN application for Android developed by OpenVPN, Inc. It is a universal client serving the following OpenVPN products:

Access Server – server solution for businesses.

OpenVPN Compatible Server – solution for self-hosted servers

It can be used for connecting with IITB Internal sites using VPN. Detailed instructions are in page 30.

Download link:

[https://play.google.com/store/apps/details?id=net.openvpn.openvpn&hl=en\\_IN](https://play.google.com/store/apps/details?id=net.openvpn.openvpn&hl=en_IN)

- **MYBYK App:**

Whether you want to ride a cycle at home or use it to commute within your campus, whenever you need a cycle, find a MYBYK near you. Unlock using your smartphone and pedal your way to a healthy life.

Download Link: <https://play.google.com/store/apps/details?id=in.greenpedia.mybyk>

- **SHIRU CAFÉ:**

Order your free drink in the app.

Simply launch the app and tap the drink you would like to order.

DownloadLink: <https://play.google.com/store/apps/details?id=jp.co.enrission.shirucafe>

- **Safe app:**

It is a very essential app .it will be used to take examination in many courses.

It is must for many courses.

Download Link:

[https://play.google.com/store/apps/details?id=com.iitb.cse.arkenstone.safe\\_v2](https://play.google.com/store/apps/details?id=com.iitb.cse.arkenstone.safe_v2)





## **THE SCHOLARSHIPS THAT YOU SHOULD KNOW AND APPLY FOR**

### **Institute Merit-cum-Means scholarship.**

### **Facilities of free messing (for students from SC/ST category)**

For more details, please visit the google drive link that is provided here below.

[https://drive.google.com/file/d/1vxUyf0Qv8FwxlWXeFmY4dSZSRHOtmEQw/view?usp=s\\_haring](https://drive.google.com/file/d/1vxUyf0Qv8FwxlWXeFmY4dSZSRHOtmEQw/view?usp=s_haring)

To apply for these scholarships, visit the **internal ASC portal of IITB**. Login via your LDAPID. Then go to **academic** option and then select **apply for scholarship** option.

<http://asc.iitb.ac.in/acadmnu/index.jsp>

## **OTHER SCHOLARSHIP**

### **INSPIRE SCHOLARSHIP:**

Those who are already recipients of inspire will continue to get that if your marks allow that. The documents that usually have to be submitted in that portal should be duly signed by the registrar.

**Note: The MCM/free messing is not approved for the students who are already recipients of any named scholarship. (e.g. :INSPIRE)**

### **FINANCIAL AID PROGRAMME:**

It's called as FAP of IITB i.e., financial aid programme of IITB. Our alumni donate here to help those needy and meritorious students who suffer financially and face too much problem to pay admission related or messing related fees. In this programme, at first you have to apply and followed by, you have to go through an interview round where basically personal information are asked. Depending on the interview, you will be selected.

But an important point to note that it's not a scholarship rather just a financial aid. The money allotted under this scheme has to be returned back with 0% interest. However, there seems to be no restrictions on when you would have to return it. For registration into this programme, you should visit the below mentioned link.

[http://fap-iitbaa.org/GUI\\_Form/Login.aspx](http://fap-iitbaa.org/GUI_Form/Login.aspx)





## Reaching IIT Bombay:

### From Railway Station-

Stations for through trains Coming to Mumbai

**Central Railway:** CST, Dadar, Kurla, Thane.

**Western Railway:** Mumbai Central, Dadar, Bandra, Andheri, Borivali.

Those coming by **Central Railway** can take the Central Railway Suburban train and get down at **Kanjur Marg** station which is the nearest stations from IITB. Please ensure to take only a **slow local train** as the fast ones do not stop at Kanjur Marg.

If you come via **Western railway**, you can board a **Western Railway line** suburban train and reach **Dadar**, where you can change to the **central railway line** and board a suburban train to **Kanjur Marg**. Once you get down at Kanjur Marg railway station, come out through the **western- side gate** and take a bus or, auto-rickshaw to IIT main gate.

### From Airport-

Those travelling by air can take **taxis/auto-rickshaws** from the domestic (40-60 min travel time)/international (20-40 min travel time) airport to reach IIT Bombay.



Link to campus map <https://www.insti.app/map>





## **FEW ACCOMPLISHMENTS BY FACULTY AND STUDENTS IN THE LAST ACADEMIC SESSION**

- ❖ A team of 4 Students: Srinath Iyer (Ph.D. student), Anwasha Banerjee (Ph.D. student), Srushti Bhamare (BTech+MTech student), and Shubham Kumar (JRF-Earth Science) and two professors from the IIT Bombay won a grant worth US\$250,000 (approximately Rs 1.85 crore) from XPRIZE & Elon Musk Foundation.
- ❖ Professor Shobhna Kapoor, Department of Chemistry has been selected to receive the SERB Women Excellence Award-2021
- ❖ Prof. Ruchi Anand, Chemistry Department has been admitted as Fellows of Indian Academy of Sciences (IASc) for her significant contributions to sciences.
- ❖ Prof. Debabrata Maiti, selected for Institute Chair Professorship for a period of three years.
- ❖ Prof. Arnab Dutta has been selected as a member of "Indian National Young Academy of Sciences (INYNAS)" for five year period of 2022-2026.
- ❖ Prof. Chandra M. R. Volla has been selected for OPPI (Organisation of Pharmaceutical Producers of India) Young Scientist Award 2021.
- ❖ Prof. Achintya Kumar Dutta has been chosen for NASI-Young Scientist Platinum Jubilee Award 2021.
- ❖ Prof. Ruchi Anand, has been inducted as an Associate Member in the IUPAC Standing Committee on Chemical Research Applied to World Needs (CHEMRAWN) for the term 2022-23.



- ❖ Prof. Achintya Kumar Dutta has been awarded IIT Bombay Early Research Achiever Award 2020.
- ❖ Prof. Debabrata Maiti has been awarded the IIT Bombay Research Publication Award 2020.
- ❖ Prof. Debabrata Maiti receives the CRSI (Chemical Research Society of India) Bronze Medal of 2022.
- ❖ Prof. Sandip Kar receives the Departmental award for Excellence in Teaching for the year 2021.
- ❖ Prof. Shobhna Kapoor has been awarded the IIT Bombay Early Research Achiever Award.
- ❖ Prof. Irishi N. N. Namboothiri receives the Departmental award for Excellence in Teaching for the year 2020.
- ❖ Prof. Arindam Chowdhury joins the Editorial Advisory Board of Royal Society of Chemistry's Journal ChemComm.
- ❖ Prof. Rajarshi Chakrabarti, has been appointed as an Associate Editor in the Editorial Board of Biophysics-frontiers, a specialty section within frontiers in Physics, frontiers in Physiology and frontiers in Molecular Biosciences.
- ❖ Prof. Lahiri, conferred the highly prestigious J C Bose Fellowship by SERB, DST, Government of India.
- ❖ Prof. Chandra M. R. Volla has been chosen for the Merck Young Scientist Award-2021 in the Chemical Sciences category.





- ❖ Prof. Gopalan Rajaraman receives the CRSI (Chemical Research Society of India) Bronze Medal of 2022.
- ❖ Prof. Debabrata Maiti has been selected for Sun Pharma Science Foundation Research Award - 2021 in Pharmaceutical Sciences.
- ❖ Prof. R. B. Sunoj has been elected as Fellow of National Academy of Sciences(NASI) 2021.
- ❖ Professor Debabrata Maiti has been selected for Prof. P.K. Bose memorial award of the Indian Chemical Society for outstanding research contributions.
- ❖ Prof. Santosh Gharpure awarded the most prestigious INSA teachers award for 2021.
- ❖ Prof. Chandra M. R. Volla receives the Departmental award for Excellence in Teaching for the year 2021.
- ❖ Prof. Shobhna Kapoor has been nominated to serve as the National Co-Chair (India) for the International Chemical Biology Society (ICBS) for three years.
- ❖ Prof. Biman Bagchi (distinguished visiting Professor IIT Bombay, Chemistry) has been selected as the 2021 recipient of the Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids.
- ❖ Prof. Rodney Fernandes receives recognition from RSC as one of the top 5% most cited authors in Royal Society of Chemistry Journals, 2020.
- ❖ Prof. M. Ravikanth has been awarded the very prestigious J.C. Bose Fellowship, 2020-2021.
- ❖ Professor Sambasiva Rao Kotha has been selected for Dr. D. S. Bhakuni prize of the Indian Chemical Society for outstanding research contributions.



- ❖ Prof. Santosh J. Gharpure has been invited to become a Fellow of the Royal Society of Chemistry through their 'Leaders in the Field' scheme.
- ❖ Prof. Ruchi Anand, selected for Institute Chair Professorship for a period of three years.
- ❖ Prof. Raghavan B. Sunoj has been awarded the IIT Bombay Research Dissemination Award.
- ❖ Prof Subramaniam Chandramouli receives the prestigious Swarnajayanti Fellowship for 2021
- ❖ Prof. Nandita Madhavan has been invited to join the Editorial Advisory Board of ChemistrySelect.





# BANDHU

## A portal for Emotional support to Students



Bandhu portal was launched on November 1, 2020 by the Director of IIT Bombay Prof. Subhasis Chaudhari, It is a portal designed for IITB students to address their challenges ranging from adjustment to college life, academic stress and mental health. It has Curated Reads, Motivational Alumni Journeys, Expert Podcasts and tools for Self-Exploration. The idea of this portal was initiated by an IITB Alumni Nitesh Tiwari from the batch of 1992 as a part of their silver jubilee reunion in 2017.

You can reach bandhu by clicking <https://www.iitb-bandhu.org> . It has a long list of articles on topics ranging **from Transitioning to college, Academics, Mental Health, Relationships and Knowing yourself better that would help students in many ways.** It also provides students an option to share their stories or experience at the “**Share your Stories**” section. It also has a section of “**Seek Help**” meant to provide students with proper access for help and guidance for various issues ranging from Bullying and sexual harassment to How to support a friend in distress.

# STUDENT ALUMNI RELATION CELL



Student Alumni Relations Cell (SARC) is a student body run under the guidance of the Dean ACR Office, IIT Bombay. It works with a vision of bringing the alumni and student communities of IITB together to create a synergy of ideas, respect, knowledge and everything that our Institute stands for. Its events and initiatives include:

- **Alumnition:** Flagship event of Student Alumni Relations Cell
- **Student Alumni Meets:** SAMs are meets organized in various alumni chapters (cities where they reside) with different motives.
- **Phonathon:** Telephonic marathons to connect with alumni
- **Reunions:** The most awaited yearly alumni reunions.
- **Institute Valedictory Function:** The last event of an IITB student's insti life.
- **Core Talks:** Department-specific talks from the experts, our own alumni.
- **ASMP:** Alumni Student Mentorship Programme.
- **ILP:** Industrial Learning Programme.
- **HATS:** Hostel Alumni Team Stewardship.





- Alumni Sports Weekend: A fun-filled sports weekend for the alumni and the students.
- ProVachan: Non-core fundae talks by our very own alumni.
- SARCasm: Head scratching online cryptic hunts for the students.
- Institute Yearbook: "Thousand Thoughts. Million Memories. Infinite Feelings."

## **ELIT (English Language Improvement Training) Program**

This program is aims at helping students who need help with English. This program not just helps them in improving their proficiency in English language but also bridges the gaps in their academic/social life which may have arisen due to low proficiency in the language. ELIT is a student-run program, where the students are taught by some other students who are well-versed in the language.

### **Contact Details :**

Khushi Ghosalia | Kshitij Sovanee  
Cabinet Heads

English Learning Program

SMP, IIT Bombay

Contact no: +91-8000622433 | +91-9920360735

Email: [elp.cabinet.smp@gmail.com](mailto:elp.cabinet.smp@gmail.com)

For more details, visit this: <https://www.insti.app/org/elp>



## **The Language Resources and Writing Cell (LRWC)**

The Language Resources and Writing Cell (LRWC) provides in-house learning services for the improvement of English language skills with monitoring and feedback, as well as diagnostic services (self or other) for assessment of language levels. The LRWC also creates learning resources, organizes workshops or short courses, and trains Teaching Assistants for language related services.

### **Contact Details :**

Professor Vaijayanthi Sarma

Faculty Member In-Charge, LRWC

[vsarma@iitb.ac.in](mailto:vsarma@iitb.ac.in)

Mr. B.Kore Senior Language Instructor

[lrwcinstructor@iitb.ac.in](mailto:lrwcinstructor@iitb.ac.in)

## **SC-ST-OBC Liaison Cell**

The Institute strives to maintain a work environment wherein faculty and staff members from different community can work in a coherent environment. It is the Institutes endeavor to ensure that no kind of caste based discrimination take place at workplace.

We have appointed a Liaison Officer who can be contacted in the event of any incident of caste based discrimination.

### **Particulars of Liaison Officer is as under.**

Dr. S. G. Patil

Email- [sgpatil](mailto:sgpatil)

**022-25767051**

For more details, visit this <https://www.iitb.ac.in/en/about-iit-bombay/sc-st-obc-liaison-cell>



## The Entrepreneurship Cell

The Entrepreneurship Cell shares the common belief that for India to emerge as a world power, the youth has to break the shackles of prejudices and inertia that has kept them from starting up. Creating an entrepreneurial ecosystem to provide the platform for individuals with creative minds and ideas with potential for substantial business opportunities, is what we strive towards continually. We enable smooth and efficient interaction between its principal components spanning students, faculty, working professionals, aspiring and existing entrepreneurs, mentors, angel investors and venture capitalists.

### **Contact:**

Vishesh Agarwal

Events Head, E-Cell

[visheshagarwal@ecell.in](mailto:visheshagarwal@ecell.in)

9717369148

For more details, visit this <https://www.ecell.in/2020/index.php>

## STUDENT WELLNESS CENTRE





After securing admission at the Institute and starting your stay here, you may feel that a lot of parameters around you are different. There are a few issues that almost everyone in the Institute faces initially like academic concerns, social (family and peer) pressure etc., leading to feelings of loneliness, low confidence, anxiety, stress, anger and sadness, to name a few. Student Wellness Center provides counselling opportunity for individuals to learn to make better choices, improve interpersonal skills, develop confidence and increase educational effectiveness. Typical concerns you can seek counselling for are:

- Transition and change
- Uncertainty about values and goals
- Academic pressure
- Personal relationships with the special one and with friends
- Family concerns
- Issues of grief and loss
- Lack of motivation; concentration difficulties
- Stress, depression and anxiety
- And Others...

**Location:** Student Wellness Centre 3rd floor, above Academic section, Main building

**Timing:** Monday to Friday:

**Timing:** 9.30-5.30

**Contact:** 022-2576-9070

**Contact in Lockdown:** Ms. Lavina Lewis

**+91 9769340435 (11 am to 1 pm and 4 pm to 6 pm)**

**Website:** <http://www.iitb.ac.in/swc/en>

**For appointment, visit website.**





# **GENDER CELL**

IIT Bombay's Gender Cell is an institutional body that works towards promoting equality, non-discrimination, and gender justice on the campus. It enquires into complaints of sexual harassment through its Internal Complaints Committee (GC-ICC).

The Gender Cell's Internal Complaints Committee enquires into complaints of sexual harassment. Sexual harassment includes any one or more of the following unwelcome acts or behavior:

1. Physical contact and advances;
2. A demand or request for sexual favours;
3. Making sexually coloured remarks;
4. Sending, displaying or showing of pornographic material in physical form or through any electronic media;
5. Any other unwelcome physical, verbal or non-verbal conduct of sexual nature, and
6. Any other acts or omissions that are of like nature to the instances above.

Gender Cell frequently organizes training sessions, gender sensitization workshops, and talks related to gender-based issues for faculty, staff, and students. They also organize painting competitions, film screenings, and other cultural events highlighting contributions by women or related to gender issues.

## **Who can contact Gender Cell for help?**

Any student, faculty, staff member, or a service provider who is associated with IITB may contact the Gender Cell. Any woman who comes to IIT Bombay for work-related reasons may also contact the Gender Cell.

Visit the site at <https://www.gendercell.iitb.ac.in/>

You may write to gender cell [atgendercell@iitb.ac.in](mailto:atgendercell@iitb.ac.in) and they will get back to you within 48 hours.



# A BRIEF OVERVIEW OF THE CLUBS IN IIT-B

## **IITB Sports**

IITB Sports IIT Bombay Sports boasts of rich culture, thriving on immense participation across 18 hostels and the kind of infrastructure most colleges can only dream of. Under its vast umbrella, we have sports at several levels. From Intra-hostel to Inter hostel, and of course, the crowning glory for every sportsperson here at IIT Bombay, the Inter IIT Sports meet.

Names of a few clubs are:

1. Rubik's Cube
2. The Dark Knight Club
3. Yogastha: The Wellness Club

## **Tech@IITB**

IIT-B being the premier technical institute in India boasts of a very active & enthusiastic technical council. The technical council consists of various clubs from the Aeromodelling club, Chemistry Club to Mars Rover Team. These clubs and teams continuously organize various competitions, events, and workshops. Feel free to join any of the activities organized by the Technical Council. Your interest and enthusiasm is the only prerequisite in any of the events. Names of a few clubs are:

- Electronics and Robotics Club
- Web and Coding Club
- Maths and Physics Club
- Finance Club
- Krittika: The Astronomy Club
- Aeromodelling Club
- Chemistry Club ([Chemistry Club](#) | [InstiApp](#) | [IIT Bombay](#))





- Analytics Club
- Bio Tech Club
- Consult Club

Visit the site here: <https://www.tech-iitb.org/>

You can find many other interesting clubs here: [Student Clubs | IIT Bombay](#)

## IITB Cultural

At IIT Bombay we undertake a variety of cultural activities, which are broadly classified under 11 genres – Dance, Dramatics, Film, and Media(F&M), Literary Arts, Music, Photography and Fine Arts(PFA), Speaking, Indian Languages, Lifestyle, Design, and Classical & Folk Arts.

Names of a few clubs are:

- FourthWall: The Dramatics Club
- Insync: The Dance Club
- Symphony: The Music Club
- Literati: The Literary Arts Club
- Pixels: The Photography Club
- WeSpeak: The Speaking Arts Club
- StyleUp: The Fashion Club
- Rang: The Fine Arts Club
- Roots: The Classical and Folk Arts Club
- SilverScreen: The Film Club
- Vaani: The Indian Languages Club
- The Design Club

Visit the site here: <https://gymkhana.iitb.ac.in/~cultural/web/>



***Welcome to  
the family!!!***