

A beginner's guide to the Ins and Outs of CSE@IIT Bombay

THE HANDBOOK

Prepared by:



ISCP CSE Team 2022

IIT BOMBAY

DISCLAIMER

Though the ISCP (Institute Student Companion Programme) 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.

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CHAPTER 1: THE INTRODUCTION

About the Institute

Established in 1958, the second of its kind, IIT Bombay was the first to be set up with foreign assistance. The institute is recognised worldwide as a leader in the field of engineering education and research. Reputed for the outstanding calibre of students graduating from its undergraduate and postgraduate programmes, the institute attracts the best students from the country for its bachelor's, master's and doctoral programmes. Research and academic programmes at IIT Bombay are driven by an outstanding faculty, many of whom are reputed for their research contributions internationally. 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 Swaroop Bhatnagar and Padma awards.



About the Department

The Department of Computer Science and Engineering at Indian Institute of Technology Bombay, Mumbai is the largest and one of the most renowned Computer Science departments of the country. The department has internationally recognized research groups in most of the areas in Computer Science. The faculty here regularly publish papers in leading international conferences and journals and serve on the editorial boards and program committees of leading international journals and conferences. The department's teaching and research activities are handled by over forty faculty members.

About ISCP

ISCP is a program within IIT Bombay Post Graduate (PG) student community. Its primary objective is to develop an atmosphere of cordial interaction amongst the PG entrants and the PG seniors. It will encourage the flow of information, knowledge, and sharing of experiences among the students.

Every entrant will be assigned a Student Companion (SC), who will be responsible for the orientation and wellbeing of the entrant. The Student Companion will be your first point of contact and will answer educational, administrative and personal queries.

About You

You are going to be a Post Graduate student in the Department of Computer Science at IIT Bombay. You will be taking courses every semester which will give you credits. You will have to complete some minimum number of credits for your degree to be complete. Also, you will be given TA / RA responsibilities based on your admission type which you have to fulfil in lieu of a monthly stipend.

CHAPTER 2: INTRODUCTORY MESSAGES

Message from the Head of the Department (HOD)

Dear Students

A hearty welcome to all of you, to the Department of Computer Science and Engineering, IIT Bombay (CSE-IITB). You have all made it here through fierce competition and thus along with the welcome, I congratulate all of you for your achievement. It should be proud moment for you and your families.

Now that you are here, you must think about how to 'extract' the maximum value out of your time here. Being a part of the post-graduate programme at CSE-IITB gives you several unique opportunities that you will probably never get after these 2-3 years. The campus and the facilities themselves are rarely found elsewhere - do go ahead and fully utilize those, while you are here. The demanding academics here will require you to have hobbies of sports and arts to keep your balance.

In terms of academics, not only will you get to hone your existing skills and learn advanced topics in Computer Science from some of the most accomplished teachers and researchers in the world, you get a unique opportunity to *contribute* to the knowledge space in your chosen area of interest through your Master's Thesis. Whether your interest lies in AI, Systems, or Theory, when you leave IIT Bombay, if you commit to the vision of the post-graduate program, the world will know a little bit more about some problem, because of some explorations you did; or the world will have a new product which you built here, or it will gain from some improvement on some technology that you did while here. I invite you to commit today to making such a contribution while here.

You also get to make a genuine and direct difference in students' learning, through your Teaching Assistantship. In these two years, while you are also a student, I hope you will find immense satisfaction in contributing to the learning of other students, who are junior to you and can benefit from your knowledge and experience. Similarly, through your Research Assistantships, I hope you find satisfaction in various practical technical contributions.

Last but not the least, I hope you view being a part of any new organization as an opportunity to build new human relationships of all ages and levels - friends, staff, faculty; to learn from these, to broaden your views by engaging with people with diverse backgrounds, who you may thus far have never run into. I encourage you to take the opportunity to learn to communicate, to truly *listen* with an open mind, engage in civil discourses about difficult topics, and to look forward to changing at least one belief that you may currently have!

You are sure to get a lucrative job by the time you leave CSE IITB, but my wish is that when you leave with your post-graduate degree, you will look back to your time at CSE IITB and mark that as the

time you grew the most as a person, in all dimensions, and *that* will be your biggest gain from your time here.

That time begins now. My very best wishes, and welcome again.



Dr. Varsha Apte
Department Head
varsha@cse.iitb.ac.in

Message from ISCP:

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



Ananda Chanran
Cabinet Member
6370574104

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 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.

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Dipankar Kuli
Overall Coordinator
8638272899

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 programs. 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 workday in and day out. Various events are organized 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**.



Ashish Kumar Gautam
Cabinet Member
7607369675



Abhishek Raman
Overall Coordinator
8789676472



Prabhat
Overall Coordinator
9899946039

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 program. 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 colorful.

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

Department Coordinators:

Hello freshers,

We your department coordinators welcome you on this beautiful journey, journey to learn and become a better version of you. "No pain no gain" so during this whole phase of learning you may face some difficulties. We with our team of student companions are always here to help you with any kind of academic or nonacademic issues you are facing during this journey. Having gone through this phase of transition we can completely understand the apprehensions you are possibly facing. We are very excited to guide you in the journey.

Regards,

Your Department Coordinators



Aishwarya Mishra
9644297534



Vasudhan Varma Kandula
6381851146

Message from the Post Graduate Academic Council (PGAC)

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 best exposure to its students in all the aspects, both academically as well as non-academically. The skills you develop here, the interactions you have with people here will stay with you throughout your life. The post-graduation demands something additional compared to the under 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 their 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!

Email: imr@iitb.ac.in



Mohit Meena
Institute Secretary, Academic Affairs
8006080474

Message from CSEA Council:

Hello facchas!

Heartiest welcome to each and every one of you to one of the most prestigious and the best PG CSE program all over the country. Hold on tight to this rollercoaster ride, the next two years are gonna change you inside out. Hope you get to make the most of it. you are gonna find new friends, opportunities, and maybe the love of your life. This place is gonna be tough because it is difficult to choose between "badlu ki chai" and "cafe ka free diluted coffee". Make sure you keep looking, there are hobbies you can follow or make new ones.

CSEA is the council that handles all the events of the department. Academic or non-academic, I along with a team will be here to help you out with everything.

P.S. Don't forget to bring your brains, we need ranchos not chaturus.

Email: pgrep@cse.iitb.ac.in



Manoj Kumar Maurya
PG Representative
8417911821

CHAPTER 3: CSE DEPARTMENT

People

The faculties in the department are excellent in their domain and are degree-holders from prestigious institutes in the world. The department has students from BTech, Dual Degree, MTech, M.S and PhD programs, who are very deterministic and hard working. Both students and faculties are very enthusiastic about the academic activities and do participate proactively, thus each year we have many publications at top conferences and participations in hackathons. Students are also involved in many co-curricular activities apart from academics. To get more details, visit the department website.

Buildings

CSE Department has 2 buildings



Kanwal Rekhi Building (KReSIT, Old CSE)



New CSE Building

Kanwal Rekhi Building houses several facilities including ten well equipped research laboratories, six classrooms with data projectors and public address systems, a lecture hall, a multipurpose circular hall for up to 150 persons, a seminar hall, a 220-seater auditorium, a 30-seater conference room, and a growing library. In November 2006, the CSE department and the Kanwal Rekhi School of Information Technology merged to form a single Department of Computer Science and Engineering.

Labs

Software Labs:

There are 4 labs: Software Labs SL1, SL2 and SL3, CS101 Lab (Basement). Registered CSE users can enter these labs, but non CSE students are only allowed to these labs with permission. All the students of the Computer Science and Engineering department are provided biometric access to the Software Lab 3 (Room 203, II floor, New CSE building) to use for the academic purpose. Also, Computer Center (CC) has established Bits Lab and Bytes Lab for the dual purpose of ad-hoc, personal computing usage by

individual students for their academic work as well as for bookings for exclusive group usage for events such as workshops, training, tests, and activities of a similar kind. The Bits lab (with 50 desktop computers) and Bytes Lab (with 60 desktop computers) are designed especially for the students' study usage.

Common Lab:

When you are in first year you won't get access to research labs unless you are doing some research work. For that department has provided with a common lab in room CC303 where everyone from CSE department can sit and work.

Research Labs:

The department offers opportunities to students to carry out research in the following areas: Algorithms and Complexity, Artificial Intelligence, Computer Graphics, Computer Networks, Computer Vision, Database Systems, Embedded Systems, Machine Learning or Data Mining, Operating Systems and Formal Verification, Programming Language and Compilers. The research labs of the department are listed below.

Center of Excellence for Blockchain Research

The CoE intends to assist enterprises giving an in-depth assessment of Blockchain and the DLTs technologies applicability to the status quo in which they are traditionally operating; furthermore, helping them re-engineer their operations.

Professor(s) affiliated: Prof. R K Shyamasundar, Prof. G Sivakumar, Prof. Virendra Singh, Prof. Sarthak Gaurav, Prof. Manoj Prabhakaran, Prof. Vinay Riberio and Dr. Vishwas T Patil

Center for Formal Design and Verification of Software

The Center for Formal Design and Verification of Software has been set up with the broad aim of carrying out R and D activities in the area of quality software development with special focus on formal verification techniques for safety-critical applications.

Center for Indian Language Technology (CFILT)

CFILT lab concentrates on Natural Language Processing and Machine Learning with focus on Indian Language Processing.

Professor(s) affiliated: Prof. Pushpak Bhattacharyya, Prof. Ganesh Ramakrishnan, Prof. Saketha Nath, Prof. Preethi Jyothi, Prof. Malhar Kulkarni (HSS), Prof. Vaijyanthi Sarma (HSS) and Prof. Anirudha Joshi (IDC)



CFILT Lab

Centre for Machine Intelligence and Data Science (C-MINDS)

Prof. Sunita Sarawagi has been appointed the first Prof. In Charge of the newly constituted "Centre for Machine Intelligence and Data Science".

Computational Speech and Language Technologies (CSALT)

CSALT focuses on the machine-learning components that can improve Automatic Speech Recognition (ASR) performance. Prof. Preethi Jyothi is associated with this research group.

Database and Information Systems Laboratory (InfoLab)

The group covers a wide range of research areas such as databases, data mining, information retrieval, and machine learning.

Professor(s) affiliated: Prof. S. Sudarshan, Prof. Sunita Sarawagi, Prof. Soumen Chakrabarti, Prof. Pathak, Prof. Ganesh Ramakrishnan

Embedded Real-Time Systems Laboratory (ERTS/e-Yantra Lab)

The primary areas of research for this lab are Embedded Systems Modeling and Design, Real Time Operating Systems Design and Robotics.

Professor(s) affiliated: Prof. Kavi Arya

Information Security Research Development Center (ISRDC)

ISRDC at IIT Bombay is one of the four information security research centers spread across India. ISRDC IIT-Bombay does RD in a wide range of topics in information security and privacy.

Professor(s) affiliated: Prof. RK Shyamasundar, Prof. G Sivakumar, Prof. Bernard L Menezes, Prof. Virendra Singh, Prof. Ashwin Gumaste and Prof. Mythili Vutukuru and actively collaborates with industry and academia.

Program Analysis Group

This group works on Program analysis for improving the performance of the programs with respect to time, memory, energy, or power and Program analysis for verification and validation. Specific topics being pursued in the group are automatic parallelization of programs, interprocedural data flow analysis, pointer analysis, automatic generation of analysers, synthesis of functional programs, and translation validation.

Professor(s) affiliated: Prof. Uday Khedker, Prof. Amitabha Sanyal, Prof. Supratim Biswas

Systems and Networks Research Group (SynerG)

SYNERG is a research group with a focus on networking and distributed systems. Research by this group covers several fields of systems like Wireless Networks, Network Performance Analysis, Communication Systems for the developing world, Distributed Systems and Virtualization.

Professor(s) affiliated: Prof. Bhaskaran Raman, Prof. Kameswari Chebrolu, Prof. Purushottam Kulkarni, Prof. Mythili Vutukuru, Prof. Umesh Bellur, Prof. Varsha Apte, Prof. Biswabandan Panda



Synerg Lab

Vision, Graphics and Imaging Laboratory (VIGIL)

VIGIL research group's research covers areas related to Computer graphics, Geometry processing, Image and signal processing, Computer vision and medical image computing.

Professor(s) affiliated: Prof. Sharat Chandran, Prof. Ajit Rajwade, Prof. Parag Chaudhuri, Prof. Siddhartha Chaudhuri, Prof. Suyash P. Awate, Prof. Arjun Jain

Department facilities and policies

Print Facility

All UG and PG students of the CSE department are provided with printing facilities. To use the printer, students can login to printer.cse.iitb.ac.in with their valid CSE LDAP login credentials. They will then be shown their printer's location and page setup options.

Problems / Bug Reporting

In case you face a problem related to the network, lab machines, CSE LDAP or CSE mail accounts, biometric lab access, or your department issued systems and devices, feel free to contact the system administrators. You can either report a bug by logging in to bugs.cse.iitb.ac.in (most preferable method), or visit the Sysad room (218, New CSE) or call (Phone: 4705) during office hours on weekdays.

Department LDAP, E-mail, And Other Services

Just like your IITB LDAP and e-mail accounts, all CSE students are provided with a set of LDAP and e-mail accounts at the department level as well. You get to choose your username during the department registration process, after which it cannot be changed. Most of the communication within the department is done through your CSE mail. While the institute LDAP provides you with the services like internet access, IITB webmail (webmail.iitb.ac.in), Moodle, ASC etc., your CSE LDAP provides you an access to certain department services.

Some of those are mentioned below:

Lab machine login: You can log in (physically or remotely through SSH) into the software lab systems to access your home directory (around 10 GB storage available for each student).

Remote Login: To log in remotely, the linux command is: `ssh <lab-name>-<system-no.>.cse.iitb.ac.in` For example, if you wish to log in to machine number 2 in SL3, you should type the following: `ssh sl3-2.cse.iitb.ac.in`

Git server: The department provides a Gitlab powered Git server to host your repositories, publicly or privately. Number of repositories is limited to 10 per user. To use it, you must log in using your CSE LDAP credentials to git.cse.iitb.ac.in.

TA/RA Work, Attendance Policy, and Leave Rules

Your TA or RA duty will begin immediately after joining the course. For TAs, your Faculty Advisor will assign you to some TA duty. Once you are allocated, you should report to your TA supervisor immediately by sending mail. RAs must contact the project/lab they have been selected for, to plan the next course of action. Institute RAs generally receive mail from someone in the CSE office to inform them about their lab allocation. For taking a leave, you need to give a notice one week before its commencement and fill up the leave application form kept in the KReSIT office. You need permission from your Faculty Advisor/Project Advisor for taking leave. TAs are granted 30 days of official leave.

CHAPTER 4: ACHIEVEMENTS 2021-22

Faculty Achievements

IIT Bombay's faculty has always been the best in their domain. The professors have always inspired and motivated the students by their achievements. They have been conferred with awards and recognition from all around the world. The following is a small list that indicates the same

Prof. Sudarshan and **Prof. Sunita Sarawagi** are elected as the Fellow of Indian Academy of Sciences.

Prof. Sunita Sarawagi has been named as a Fellow of the Association for Computing Machinery (ACM), the ACM Fellows program recognizes the top 1% of ACM members for their outstanding accomplishments in computing and information technology and/or outstanding service to ACM and the larger computing community.

Prof. Biswabandan Panda has been selected as one of the recipients of the "2022 Qualcomm Faculty Award" for his contributions to microarchitecture research.

Prof. Mythili Vutukuru has been selected as one of the recipients of the "2022 Qualcomm Faculty Award" for her contributions to systems research.

Our faculty is among the highly cited, with 4 faculties having an h-index of 40 or greater as per Google Scholar.

Academic Achievements

CSE Department has continued to show its excellence in Academics in various domains. Every year, the CSE department produces over 100 research publications in top-tier conferences and journals (as ranked by CORE). Publications from CSE@IITB have amassed more than 37500 citations in 2014-2019. Our faculty has attracted sponsored research projects (by the Government and the private sector) worth Rs. 50 crores. CSE faculty have been honored with awards such as the Padma Shri, ACM and IEEE Fellowship, Shanti Swarup Bhatnagar award, Infosys Prize, and many other prestigious fellowships.

Highlighting some academic achievements of the CSE Department:

1. [Ph.D. student, Vrunda Dave was chosen as a runner-up for the Beth Outstanding Dissertation Prize \(BODP\) 2022.](#)
2. **PMRF 2022 Awardees:** [Indradyumna Roy](#), [Nihar Ranjan Sahoo](#)
3. [Ph.D. candidate Vatsala Sharma guided by Prof. Suyash Awate receives Best Paper Award at the ISBI 2022 conference](#)
4. **Recipients of 2022 Qualcomm Faculty Award:** [Prof. Mythili Vutukuru](#), [Prof. Biswabandan Panda](#)
5. [Prof. Sunita Sarawagi was named a Fellow of the Association for Computing Machinery \(ACM\)](#)

6. [Dr. Vrunda Dave was selected as a co-recipient of the Honorable Mention for ACM India Doctoral Dissertation Award \(DDA\) 2022](#)
7. [Prof. Sudarshan and Prof. Sunita Sarawagi were elected as Fellow of the Indian Academy of Sciences](#)
8. [Prof. Supratik Chakraborty was named as a Distinguished Member of the ACM](#)

CHAPTER 5: PLACEMENTS

IIT Bombay has always been a great place to work in India. The number and quality of profiles are impressive, and the compensation is excellent. The jobs we were offered paid more, the profiles we submitted were exciting, and we received some of the most desired international offers. Before we get into the nitty-gritty, we want to mention some of the unique features of placements@IITB. The placement process is managed by a student body and is overseen by a placement manager. We have a dedicated placement team that works tirelessly throughout the year to get everyone placed in the best company they can. The IITB placement team takes a lot of care to ensure that the salaries reported by the firms are accurate. We are one of the few institutes in India that require firms to disclose the gross salary component separately and verify it.

Statistics

The CSE department received several offers from both domestic and international universities. We have collected some of the best offers companies offer at the institute.

Average CTC = 27.25 LPA

The CTC represents the company's costs, including bonuses, stock, and other variable components. CTC is the figure often used to describe obesity in the media. This is the take-home pay before taxes.

Average Gross = 18.28 LPA

Gross pay is the total amount of money an employee receives before taxes and deductions are taken out. This salary is a good indicator of what you'll earn monthly after you join. This component does not include stock options, one-time bonuses like joining bonuses, retention bonuses, etc.

Highest Domestic Package = 45.84 LPA

This time many companies offered profiles that specifically targeted MTech CS graduates. Most students preferred a domestic job, and the number of profiles and the salaries offered was the best in the country (Gross).

Highest International Package = 121K USD

The surprise this year was international offers. We managed to bag the most coveted US, Europe, Singapore, Taiwan, and Japanese offers in the institute from firms like Rubrik, Sony, Hitachi, and Uber.

CHAPTER 6: LIFE AT IITB

Hostel Life

IIT Bombay is highly renowned for having extensive residential amenities. The campus is equipped to meet all of your requirements, whether they are basic or medical. many shops and sites, both on and off the campus serving your basic essentials and other devoirs, some of which are as follows:

- **Stationery and Xerox**

Every hostel has a xerox store that is usually prepared to fulfil simple stationery necessities.

- **Gym**

Every hostel has a gym and there is a central gym where trainer will be present.

- **Books**

We have bookstores like Book World in the Gulmohar Building and Popular Book Store at YP Gate where you may purchase books and receive discounts on course-related literature.

- **Banks and ATMs**

Two major banks operate inside IITB: Canara Bank and SBI. The Canara bank branch is located on the first floor of the Gulmohar building. There are two Canara bank ATMs inside the campus. One is located on the ground floor of the Gulmohar building, while the other is located opposite hostel 7. There are two SBI ATMs as well. One is located between Hostel 5 and Tansa, while the other is right outside the main gate.

- **Basic Amenities**

Shared accommodation is allotted during the first year of any according to the program. Each room has a pair of beds, tables, chairs, ceiling fans, tube lights, and cupboards and is equipped with 24x7 high-speed internet connectivity. There are 2 washrooms per 6 rooms with 24x7 running water (both hot and cold). Each Hostel has a mess (dining hall), a computer room, a gym, a TV, sports grounds, and indoor games like Table Tennis, Carrom, and Chess, the equipment for which can be availed against your ID Card.

- **Hostel Activities**



The hostel offers a wide variety of activities, which makes living enjoyable. All year long, there are numerous intra-hostel events and contests as well as training for inter-hostel (with other hostels) competitions in sports and cultural pursuits. In order to keep the hostels alive and energizing all year long, a

variety of festivals, including as Lohri, Holi, Ganesh Chaturthi, Janmashtami, Dussehra, and Diwali, as well as the hoisting of the flag on Republic Day and Independence Day, are also observed there.



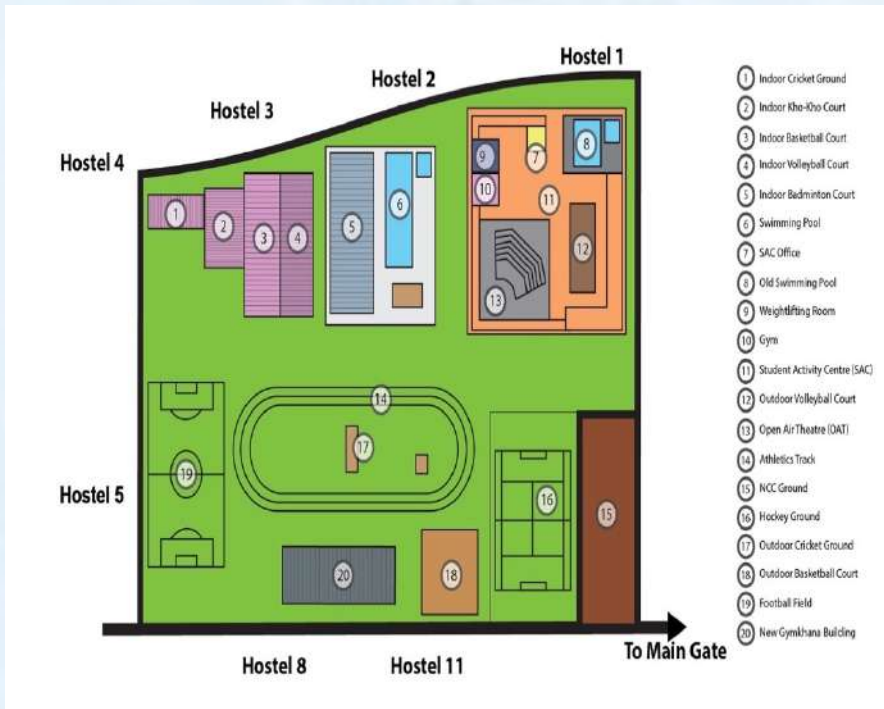
For more details visit: [campus life](#)

Sports

Sports are an important part of a student's growth and development. Through participation in sports and games, a student gains various skills which are crucial for developing their personality. IIT Bombay is proud of facilitating umpteen number of sporting activities for students. The state-of-the-art facilities and regular sporting competitions make IIT Bombay a global sporting hub.

Facilities:

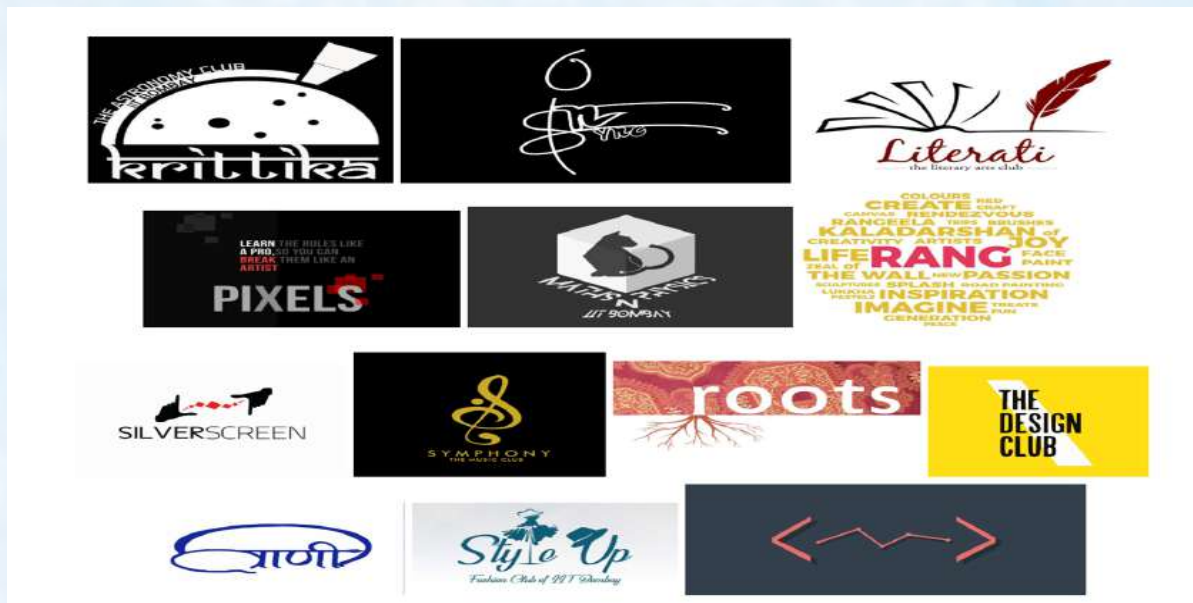
- a. **Gymkhana:** The gymkhana facilitates a lot of indoor and outdoor sports and games.
 1. **Indoors:** Badminton, squash, table tennis, gym, basketball, volleyball
 2. **Outdoors:** The huge gymkhana field facilitates sports like football, cricket, hockey and various types of athletic activities.
- b. **Swimming Pool:** The Olympic size 50mX25m swimming pool welcomes both beginner and professional level swimmers.
- c. **Tennis Court:** An outdoor tennis court is installed for all the tennis enthusiasts.
- d. **Sameer Hill Trekking:** All the adventure junkies can take part in trekking activities on the Sameer Hill. So dust off your shoes, put on your sporting wear and make the most out of these amazing facilities that are being provided to you.



Clubs

Depending on your interests and hobbies, IIT Bombay offers a large number of clubs to motivate you to hone your skills and passions and, in the process, interact with like-minded people. Following are some of the clubs that IITB offers:

- Aeromodelling Club
- Analytics Club
- Biotech Club
- Chemistry Club
- Consult Club
- Cyber Security Club
- Electronics and Robotics Club
- Energy Club
- Finance Club
- Ham Radio Club
- InSync-Dance Club
- Krittika- The Astronomy Club
- Literati- Literary Arts Club
- Maths and Physics Club
- Pixels- Photography Club
- Rang- Fine Arts Club
- Roots - Classical and Folk arts Club
- Silverscreen - Film Club
- StyleUp - Fashion Club
- Symphony - Music Club
- The Design Club
- Vaani - Indian Languages Club
- We Speak - Speaking Arts Club
- Web and Coding Club
- Yogastha - The wellness Club



Restaurants and Canteens

" Nothing brings people together like good food"

Here at IITB we have some amazing food joints where you can eat good quality food and spend some quality time with your friends.

1. GULMOHAR

Gulmohar restaurant is located on the 2nd floor of Gulmohar building. It also has an open area sitting on the ground floor. It serves a wide variety of food like north indian, south indian , chinese etc.

Timings:

Restaurant: 12.30 PM to 3 PM and 7.30 PM to 11 PM

Open area Cafeteria (ground floor) : 7 AM to 10 PM

link: <https://gymkhana.iitb.ac.in/hostels/assets/gulmohar/Gulmohar-Menu-Card.pdf>



2. CAFE 92

Looking for some classic cafe vibes, IIT Bombay has its own cafe 92 located near main building. It serves baked items, italian cuisines , north indian chaats etc. It also has very peaceful rooftop sitting and is a must visit place in IITB.

Timings: 8.00 AM to 8.00 PM



3. AROMAS DELIGHT

Aromas Delight located in front of hostel 1 is a complete dhaba type restaurant which is very famous among students because of its quick service and reachability.

Timings: 3.30 PM to 3.00 AM

Link: <https://mydukaan.io/aroma104>



4. SHIRU CAFE

Shiru Cafe is located on the first floor between L1 and L2 building. It is the nearest refreshing point from your lecture halls. Interesting thing about this cafe is that students can enjoy selected coffee, tea and juice for free using Shiru App.

Timings: 10.00 AM to 5.45 PM

facebook page: <https://www.facebook.com/shirucafe202/>



5. KRESIT CANTEEN

Kresit i.e OLD CSE building has this food point located on the ground floor. It is famous for light snacks, and it is the only food point which will serve you at any time of night. So don't worry if during your long hours of study, you feel some hunger just visit this place.

Timings: Now open 24 hours.



6. AMUL PARLOUR

This food joint was recently reopened in hostel 14 providing snacks and ice-creams to the students and residents of campus.

7. HOSTEL CANTEENS

Apart from above refreshment areas, hostels 2, 3, 6, 9 and 10 have night canteens open till 3 Am.

8. HIRANANDANI AREA

The posh neighborhood of Hiranandani located just down the road from IIT-B offers a plethora of options for eating out. When on a budget, head to the Galleria food court. KFC, MOD, Subway, Pizza Hut, Papa Johns, Starbucks - you name it, it's here. Several fine-dining restaurants are also there for you to explore. Head over to Naturals, Baskin Robbins, Theobroma, Cocoberry or Haagen Dazs for dessert.



Mumbai offers plenty to the enthusiastic foodie, there are several great places to eat out. Best explored on your own, though we'll get you started with some names: Barbeque Nation, Café Madras, Pizza by the Bay and Bademiya are well worth visiting.

Visiting Facilities

Guest Accommodation Booking systems:

In IIT-B hostels, few rooms are reserved as guest rooms which can be booked for parents, siblings accompanying parents, or spouses. The booking application must be submitted to the Associate Dean of Student Affairs at least 1 week prior to the date of booking. More information regarding this can be found on the following link: <https://gymkhana.iitb.ac.in/hostels/guestaccomodation>.

Guest House at IIT-B.

If you have some visitors coming to IIT-B, the campus has three pleasant guest houses to offer to you. They are Jalvihar, Vanvihar and Padmavihar. All three guest houses are located near the H10 hostel, behind Gulmohar Cafe. The guest house can be booked at <http://guesthouse.iitb.ac.in/>. For details on rates and policies of the guest house, please go through the following document: http://guesthouse.iitb.ac.in/accommodation/Guest%20House%20Tariff%20&%20Policy_04_2022.pdf.

Phone: +91-22-2576 8946

Email: managergh@iitb.ac.in

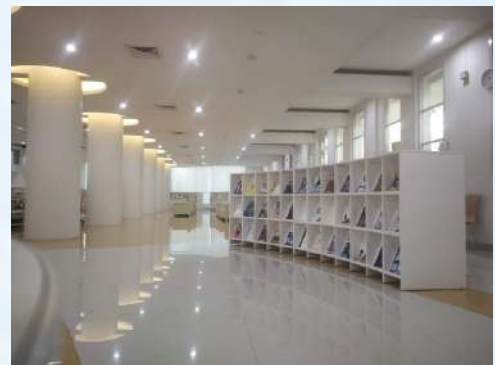
Hotels Near Campus:

Powai has lots of good residential options for your guests. Below are some recommendations from the institute.

1. The Beatle
2. Meluha
3. Ramanand Residence
4. Rodas
5. The Caliph Hotel
6. Keys Hotel

Library and Reading Halls

The institute's central library established in 1958 is a fully air-conditioned premise, providing you with lots of books, journals, Thesis etc. to explore in a quiet and cool environment. The library timings are from 9:00 am to 11:00 pm at night on weekdays and 10:00 am to 5:00 pm on weekends and holidays. The institute library also has a 24x7 reading hall which is open all the time. The central library also provides a high speed WIFI internet throughout the premises. There are some PC's present too in the user's area for you to access all the books online. You can visit the IIT Bombay central library website here (known as OPAC): <https://www.library.iitb.ac.in/> to access over 290,000 books, thesis, reports etc. and to know more about the central library.



Banks and ATM's

Two major banks operate inside IITB: **Canara Bank and SBI**. The SBI is located beside the SAC(Student Activity Center) parking. The Canara bank branch is located on the first floor of the Gulmohar building. There are two Canara bank ATMs inside the campus. One is located on the ground floor of the Gulmohar building, while the other is located opposite hostel 7. There are two SBI ATMs as well. One is located between Hostel 5 and Tansa, while the other is right outside the bank. We can find ICICI, Kotak Mahindra, UCO bank ATMs right outside the main gate.

On the orientation day, both banks set up temporary stalls in the lecture hall complex to ensure a smooth and hassle-free opening of accounts. Debit cards are provided on the spot as well.

CHAPTER 7: HELP AT IITB

Here we present a short glimpse of all the help for stress, harassments to hospitals and treatments that is available at campus with helplines.

Gender Cell

IIT Bombay's WOMEN'S CELL came into existence in 2002 and has since then been rechristened to Gender Cell owing to the enactment of the Institute's policy on sexual harassment. Taking due cognizance of the Institute's ideology of providing both students and employees with a sense of respect and dignity, the Cell leaves no stones unturned to ensure a safe and secure environment for them. The fundamental objective of the Cell encompasses that student continue learning without fear of prejudice, gender-bias, hostility, or harassment of any form. To establish that its beliefs are upheld, it takes the assistance of the internal complaints committee (GC-ICC). All complaints of sexual harassment are investigated by GC through ICC. The GC and ICC together endeavor to achieve an unbiased work environment where men and women thrive in their respective fields with equal opportunities being accorded to both.

Website: www.gendercell.iitb.ac.in

Email: gendercell@iitb.ac.in

Contact: Prof. Rowena Robinson rowena@iitb.ac.in

SC/ST Cell

The SC/ST Students Cell addresses academic and non-academic issues and complaints received from students belonging to the SC and ST birth categories. The institute strives to maintain an environment where all communities can participate in academic and research activities without any sort of discrimination with respect to caste. To maintain such an atmosphere, the SC/ST students' cell is responsible for sensitizing the campus community about the importance of having diversity. The cell aims to ensure that anti-discrimination laws in the context of race/caste are followed in letter and in spirit. The institute is proud to implement reservation schemes as sanctioned by the constitution. The cell is currently convened by Prof. Bharat Adsul, Department of Computer Science and Engineering and co-convened by Prof. Madhu N. Belur, Department of Electrical Engineering.

Main page link: - <https://www.iitb.ac.in/en/scst-students-cell>

For

complaining against any issue: - <https://goo.gl/forms/F3BKMxkdGu28OGRz2>

Student Wellness Center

During your journey through IIT Bombay, you may feel many parameters changing around you in your life. We all have faced that kind of problem during the initial phase of our new journey. Considering ongoing pandemic, you might find a bit difficult to adjust the new academic curriculum. Almost everyone in the Institute faces the same kind of academic and social pressure, which sometimes might lead to a bigger problem like anxiety, feelings of loneliness, low confidence, stress, anger, etc. If these problems are not attended correctly, and at the right time, it might lead to poor performance in academics and some

distress in personal life. To help you from that, counselors from SWC (Student Wellness Center) encourage you to approach them for any problem. It may be academic, emotional, social, or financial. Counseling helps you gain confidence, improve personal skills, get rid of stress, and to regain your happiness.
Website: www.iitb.ac.in/swc/en
Email: wellness@iitb.ac.in
Contact: Mr. Shoukath Ali- 8590594136/ 8174867876

Facads - Faculty Advisor

FacAd (faculty advisor) as the name suggests is an "advisor" throughout the course who guides the students in making academic decisions and keeps track of our progress. FacAds are the professors who help the students of their respective departments with all academic issues. The courses we take each semester get finalized only by the consent of FacAd. Decisions like dropping from any course in between, withdrawal from the semester on medical basis, changing guide for MTP, academic leaves, etc require the consent of FacAd. Basically, they are the link between us and our department. Do not hesitate to contact our FacAd, you can always take help from them for academic issues.

Prof. Bhaskaran Raman

Prof. Preethi Jyothi

Quick Response Teams

The quick response team at IIT Bombay is formed to aid students in need as soon as possible. The QRT provides support when students feel the need for prompt/urgent response or extra security. On the off chance that you experience such a circumstance, you can contact QRT utilizing the accompanying helpline numbers: 9167398598, 9167398599

To contact QRT or read more about the security guidelines at IIT Bombay, visit

<https://gymkhana.iitb.ac.in/hostels/security>.

IITB Hospital

At IITB, we have a hospital inside the campus for all our medical needs. Skin, Eyes, Dental, Bones, Muscular and tests such as X-ray, ECG, Ultrasound, and many more. A medicine shop is also present which provides prescription medicines. All facilities available are free of cost and are covered within the annual insurance component of your programme fees. If in a case, some facility or prescription medicine is not available, you can be referred to an outside hospital and can get reimbursed for most of it. Be sure to ask in detail about the services that are reimbursable.

To avail the above services, you need a medical booklet issued from the IITB hospital by providing some basic details. It is highly recommended to get this booklet as early as possible. Furthermore, you will need to get yourself vaccinated against certain diseases if you have not already. When you go to hospital initially an MMR vaccine is given then booklet will be issued. All the vaccine details and much more are present on the IITB hospital website at <https://www.iitb.ac.in/hospital> or you can just visit there, and the staff will be happy to help you :)

There is also a 24-hour emergency ambulance available for all students. To call it, use the phone at any security guard location and dial 1110.

Hospital Contact No: 022 - 2576 7051/ 53

For internal dial at 7051/ 7053/ 1101

Ambulance: 1110 (internal)

CHAPTER 8: SURVIVAL WEAPONS

Apps

INSTI APP:

It is a single platform of IITB, where you can get almost all the information.

1. Ongoing and upcoming events.
2. Different clubs (like Web and Coding, Dance Club, and many more) in the institute.
3. Placement Blog where you will get placement related stuff.
4. You can check the Mess Menu of all the Hostels.
5. Register for any complaints or give Suggestions.

MYBYK:

Since IITB campus is huge, having a bicycle reduces time and effort. You can rent (on hourly basis) a cycle from here. You can rent a bicycle from any of its access points and can finish your journey at any access point. You can get all the information such as mybyk access point, charges of one ride, how to lock and unlock your bicycle from the app itself.

OLA/ UBER:

If you want to commute to nearby areas outside the campus, install these apps.

M-INDICATOR:

If you want to commute to some farther areas from campus, ola & uber might be costlier. In such cases, you can use Mumbai's public transport such as local trains and local buses. To use the same, install m-indicator app.

UTS:

From UTS app, you can buy a Mumbai local train ticket.

PAYMENT APPS:

Almost every dealer on campus uses digital payment apps such as google pay, paytm, bharat pay etc. Go cashless.

Stuff

LAPTOP:

It is a must thing that you should carry.

LAN CABLE:

To connect to the internet you need this. Either you can directly connect LAN cable to your laptop or you can set up a router and connect LAN cable to it. You can buy one from campus itself as well.

UMBRELLA:

Rainy season has started in Mumbai so you must carry an umbrella with you. Do your research on Mumbai's rain and buy accordingly :-)

CHAPTER 9: IMPORTANT LINKS

Institute wise

IIT Bombay Official Website

All information related to institute (such as Faculty, Departments, Gender Cell, Student Wellness Center etc.) can be found here.

<https://www.iitb.ac.in/>

Accessing the Internet when connected to IITB Network

<https://internet.iitb.ac.in/>

Academic Calendar

Academic Calendar contains important dates for the semester

https://www.iitb.ac.in/newacadhome/Academic_Calendar_2021_22.pdf

Institute Webmail

All institute related information (such as workshops, research talks, podcast, tournaments, vacancy for position of responsibility etc) comes on the webmail. <https://webmail-sso.iitb.ac.in/?task=mail&mbox=INBOX>

Portal for checking grades and fee payment

<https://portal.iitb.ac.in/asc/Login>

ASC Website

This is the most important website. The information of your registration, course, timetable, grades status etc. is available on this website.

<https://asc.iitb.ac.in/>

Moodle

Moodle is the Learning Management System (LMS) used at IIT Bombay. All Courses related videos, assignments, books, important links etc. are available on Moodle. Mostly professors use Moodle for evaluating a student's performance in a course.

<https://moodle.iitb.ac.in/login/index.php>

Bodhitree

All Courses related videos, assignments, books, important links etc are available on Bodhitree. Some professors use Bodhitree for evaluating a student's performance in a course. <https://bodhitree.cse.iitb.ac.in/>

CDeep Website

CDEEP stands for "Centre for Distance Engineering Education Programme". The courses offered through CDEEP are taught by IIT Bombay faculty for IIT Bombay students. These lectures are transmitted live and recorded for future use. <https://www.cdeep.iitb.ac.in/>

For complaints regarding hostel amenities

<https://support.iitb.ac.in/>

SSO

<https://sso.iitb.ac.in/>

Computer Centre Website

Computer Centre administers and manages the entire Campus Computer Network which includes Departments, Schools, Centers, Main Administrative Building, Hostels and the Guest House. This website helps in setting up the SSO, LDAP ID, VPN etc.

<https://www.cc.iitb.ac.in/>

Institute Student Companion Programme (ISCP)

<https://gymkhana.iitb.ac.in/~scp/scp/index.html>

Gymkhana

<https://gymkhana.iitb.ac.in/>

Central Library

<https://www.library.iitb.ac.in/>

Microsoft Store

<https://msstore.iitb.ac.in/>

Gender Cell

<http://www.gendercell.iitb.ac.in/>

Hospital

<http://www.iitb.ac.in/hospital/>

Student Wellness Centre

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

CDAMP Website

This website contains reviews about different courses, and it also provides previous year question papers. <https://csedamp.wordpress.com/>

Department wise

CSE Department official website

All information related to department (such as Faculty, Students Profiles, Research Areas, Labs, News etc.) can be found here. <https://www.cse.iitb.ac.in/>

CSE Webmail

All department related information comes on the department webmail.

<https://www.cse.iitb.ac.in/roundcube/>

Courses related information and timetable

<https://www.cse.iitb.ac.in/academics/courses.php>

Printer Portal

<https://printer.cse.iitb.ac.in/>

CSE bugs reporting for systems, network, biometric, CSE LDAP issues

<https://bugs.cse.iitb.ac.in/bugs/>

CSE SysAds website

CSE SysAds website is for services like departmental email, system allocation, etc. <https://systems.cse.iitb.ac.in/systems/>

CSE Git Server

<https://git.cse.iitb.ac.in/>

CHAPTER 10: DEPARTMENT EVENTS

Traditional Day:



Valfi (Valedictory Function):



CHAPTER 11: DEPARTMENT REPRESENTATIVES



PG Representative
Manoj Kumar Maurya



AURAA
Ashish Pandey

CSEA Council



PG Social Secretary
Vedant Singh



PG Sports Secretary
Sagar Poudel



Web Secretary
Mohammad Ummair



*Department Placement
Coordinator*
Mohammad Ummair



*Department Placement
Coordinator*
Sachin Singh Lodhi



*Department Placement
Coordinator*
Nihal Sargaiya



Mtech2 - CR
Pritam Sil



Mtech2 - CR
Gunjan Kumari

ISCP Team



Department Coordinator
Aishwarya Mishra



Department Coordinator
Vasudhan Varma Kandula



Student Companion
Debajyoti Saha



Student Companion
Ashish Verma



Student Companion
Mohan Rajasekhar
Ajjampudi



Student Companion
Divyank Pratap
Tiwari



Student Companion
Sayanti
Bhattacharjee



Student Companion
Pooja Rawat Meena



Student Companion
Jeel Nathani



Student Companion
Bhavna Gautam



Student Companion
Naveen Badathala



Student Companion
Kushagra Shandilya



Student Companion
N.V.S Abhishek



Student Companion
Sourabh Patidar



Student Companion
Nadesh Seen



Student Companion
Aman Kumar



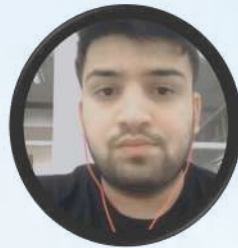
Student Companion
Arance Kurmi



Student Companion
Saurish Darodkar



Student Companion
Pritee Gharad



Student Companion
Yashwant
Raghuwanshi



Student Companion
Aniket Lal



Student Companion
Deeksha Kasture



Student Companion
Krishnakant Bhatt



Student Companion
Dishank Agarwal

Placement Team



Company Coordinator
Paramveer Choudhary



Company Coordinator
Smruti Ranjan Behera



Web Developer
Dishank Agarwal



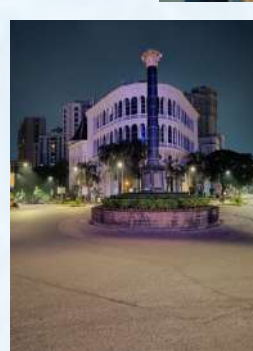
Web Developer
Sumon Nath



Web Developer
Jaimin Chauhan

CHAPTER 12: GLIMPSE









Welcome
On-board