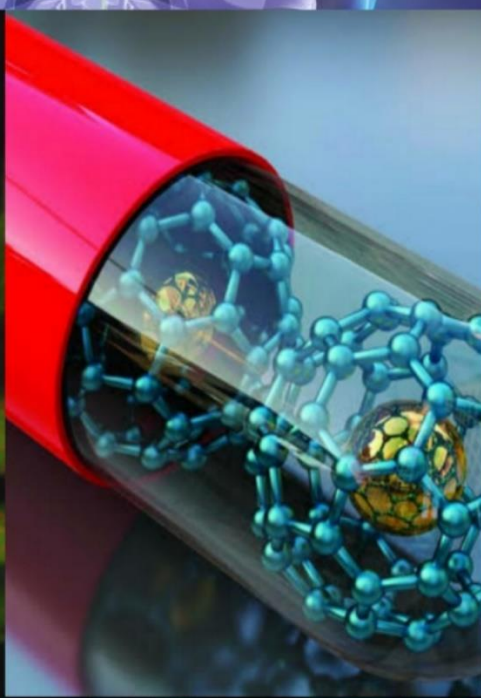
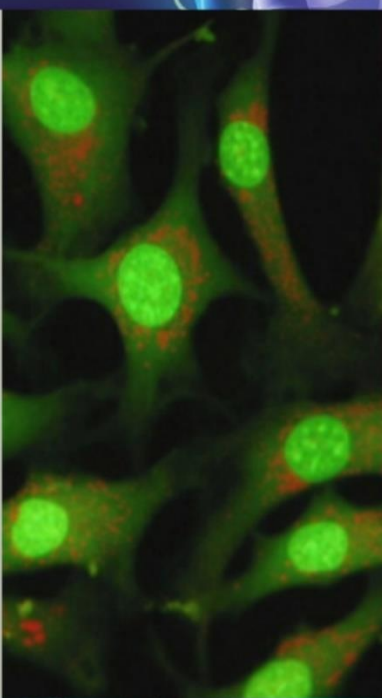




# Department Handbook



**2020 - 2021**

**BioSciences & ENGINEERING**  
**(BSBE)**

**The Fresher's Handbook is compiled and edited by ISCP**

## 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.*

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# ABOUT IIT BOMBAY

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 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.

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 Swaroop 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

The Department of Bio-sciences and Bio-engineering (BSBE) is a nodal center for applying science and engineering principles to understand the fundamental knowledge and applications in biology and biomedical engineering. The motive of the BSBE department is to create a pacified ambience to conduct scholarly activities in research and education with an aim to make an international impact, and to produce future leaders in the field of Biosciences and Bioengineering. The BSBE department is comprised of 26 permanent faculty members and 2 adjunct faculty members with a variety of backgrounds in basic sciences, applied sciences and in engineering with diverse teaching and research interests in biological sciences and biomedical engineering.

The academic program currently consists of the M.Sc. in Biotechnology (supported by the Dept. of Biotechnology, Govt. of India), M.Tech. in Biomedical Engineering, integrated M.Sc.-Ph.D and PhD. programs. The School of Biosciences was converted into the Bioscience and Bioengineering department in 2008, and it currently houses the Wadhvani Research Centre in Biosciences and Bioengineering (WRCBB), with a research being focused on understanding cell motility and cancer invasion. The new building, which currently comprises of about 30 labs, 2 seminar rooms and the department library, was inaugurated by Dr. A.P.J. Abdul Kalam in 2013.

Website of the department: <http://www.bio.iitb.ac.in/>



# ADDRESS BY THE HEAD OF DEPARTMENT

I would like to welcome the new students at the Department of Biosciences & Bioengineering at IIT Bombay. During your tenure here, you will have the privilege of interacting with the best of faculty in the areas of biotechnology and biomedical engineering. In addition, you will have access to the latest state of the art facilities to undertake cutting edge research. While it is very important for you to excel in your coursework, it is equally or more important for you to excel in your research project, right from conception of the idea to a thorough literature search and a well-defined research question and workplan. Due to the ongoing pandemic, there will be online classes and interactions which is new for both you and us and we will make sure that we are able to answer all your questions for effective learning.

All these aspects will serve you very well in your future careers. Further, I encourage you to always explore newer aspects of research, apart from your chosen field to broaden your horizons. This can be achieved by active participation in the research seminars that we host frequently in the department. We also encourage collaborations across various disciplines in the institute and across institutes. I hope that you will take the maximum advantage of all these facilities and enjoy your journey here at BSBE IIT-Bombay, which will groom you to become an independent researcher of excellence. Welcome and my very best wishes to you as you embark on this exciting new phase in your life.



**Prof. Rohit Srivastava**  
FNASc, FRSC, FRSB  
Head of the Department,  
Department of Biosciences and Bioengineering,  
IIT Bombay

# ADDRESS BY THE FACULTY ADVISORS

Heartiest congratulations on your acceptance to the Department of Biosciences & Bioengineering at IIT Bombay. It's a pleasure to welcome you all to this new academic year. Due to the special circumstances the world and our country is currently facing, the beginning of your journey with us will be slightly different from usual ones. We will be commencing our academic activities in a "Virtual Mode" for the current semester (August to December 2020). The course program that you might have already learned from the brochure will be implemented via online teaching mode. The online teaching consists of teaching materials and interactive live sessions. The teaching materials in the form of lecture videos and notes will be dispersed at regular intervals in tune with the semester time-table. The live sessions consist of platform for live interaction with the faculty and tutorial sessions. The department and the institute are also exploring the possibility of remote usage of library resources. The "virtual mode" demands at least a basic desktop/laptop and reasonably fast internet connection. The institute has taken proactive step in helping students who cannot arrange the above-mentioned facilities, which will be initiated upon request from the students subjected to scrutiny by the head of the department. We also encourage all students to start interacting with each other and with your seniors via freely available video conferencing platforms to keep you engaged in the academic activities from home. The department will soon conduct a one-to one live interaction with each of you, where you can raise your concerns/suggestions. Meanwhile, browse through our departmental website and familiarize yourself with the M-Tech program and research activities of individual faculties. We hope the current situation will improve soon so that all of you will be able to join us in the IITB campus where a plenty of academic as well as extracurricular activities are waiting for you to explore.



**Prof. Kiran Kondabagil**

Faculty Advisor M.Sc I



**Prof. Hari M. Varma**

Faculty Advisor M.tech



**Prof. Neeta Kanekar**

Co-Faculty Advisor M.Tech



## MESSAGE FROM

# INSTITUTE STUDENT COMPANION TEAM

Dear New Entrants,

These are tough times, but you are not alone.

We welcome you to one of the most prestigious institutes in the nation. Congratulations on having achieved this incredible feat. You are about to become part of a culture that will leave its traces within you for a long, long time, even if it begins ‘untraditionally.’ You will be the ones witnessing the first term to happen entirely online in the history of IIT-Bombay. It might feel overwhelming, and for all the right reasons, we must say. There will be several things you might be worried about, from coping up with the academics in online mode to missing out on things; however, as we said, “You are not alone.”

Institute Student Companion Programme (ISCP) is a student body with the primary objective of building a relationship of trust and comfort between the final year students and the incoming students of the PG programmes. We are here to help you in getting familiar with the ways of IIT-B, which is even more critical in these times. You will become a part of a culture where people want to perfect their craft and thus work day in and day out at it. The scope of these is not limited just to academics. Various online events are and will be organized by the cultural, technical, and sports clubs in IITB, like Code in Quarantine, Fitness challenges, Dance Challenges, etc. Managing these along with online 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 help you in low and high tides as an act of giving back what they received from the programme. You can look up to the team for any form of support, any information before venturing out into an unknown domain, be it academics or extracurricular activities. You can reach out to us for any issue regarding the curriculum, facilities provided, your physical, social or mental health, and last but certainly not the least, reach out to have a chat with us because that is what we are for, for you.

The COVID -19 pandemic has affected all of us. For now, Health concerns prevent your arrival in our beautiful lush-green IIT-B campus, it also prevents your participation in hostel activities, sports, cultural activities. There are many things here at IIT-B waiting for you, but the most important thing is the campus, and the buildings do not define IIT-B. It’s you. You set the culture, the activities, you represent IIT-B to the world, and you make IIT-B what IIT-B is. So, knowing that time flies at IITB, we strongly suggest participating in things that happen online other than attending lectures, make memories, reach out to us for any queries, and relax with the comfort of your home. At least till we get an opportunity to welcome you into the campus, let’s be safe, let’s be optimistic and let’s keep our learning spirits high.

Looking forward to getting to know you. Giving out some motivation for these difficult times, we end with a quote by Albus Dumbledore: "Happiness can be found, even in the darkest of times, if one only remembers to turn on the light."

Stay Safe!

Overall Coordinators,  
Institute Student Companion Programme  
(2020-21)  
IIT Bombay  
Email: [iscp@iitb.ac.in](mailto:iscp@iitb.ac.in)

## *Overall Coordinators 2020-2021*



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7389102399



**Aakrit Anshuman**

[aakritanshuman1@gmail.com](mailto:aakritanshuman1@gmail.com)

8904059856

## MESSAGE FROM

### POST GRADUATE ACADEMIC COUNCIL

Dear freshmen,

Congratulations to all freshmen for making it to one of the premier institutes of the country. Despite the stiff competition, you all managed to come out with flying colours. So on behalf of the PG students of IIT Bombay it is my honour to welcome you all here.

So now all of you are a part of IIT Bombay PG community or “PG JUNTA” as we call them. The institute has a wide range of facilities and services to offer to all its students. This will not only ensure a fruitful educational experience but also promote overall skill development. In the institute there are several student run bodies that focus on development of skills, sports and extracurricular activities such as music, dance, drama etc. Along with academics we urge you all to explore and make the most of the excellent facilities that the institute has to offer.

As the Institute Master’s Representative, my entire team and I aim to address your grievances and help you to the best of our abilities. This time since the first semester for you all is going to be online, you might have a lot of queries in your mind. Please feel free to contact us any time. Our council PGAC is one that is for the PG students, of the PG students and most importantly by the PG students. So whenever you face a problem, we are always there to help you out. Supporting the students in their academic endeavour is also our foremost priority and we will try to improve the IITB experience in all the ways we can. On this note, I once again welcome you all to IIT Bombay, hoping to welcome you all back in the campus as soon as situation gets better, and wishing you every success in your future endeavours.



**Sohini Dasgupta**

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

**Institute Masters Representative (2020-2021)**

**Post Graduate Academic Council (PGAC)**

**8582913789/ 9830649739**

# BSBE LAB FACILITIES

The department encourages research by allowing students to access state of art facilities inside the campus.

High Performance Liquid Chromatography (HPLC)	Gel Doc System
Fast Performance Liquid Chromatography (FPLC)	MALDI – TOF
Fast Protein Liquid Chromatography	CD Spectrometer
Concentric cylinder viscometer	Deep Freezer
Bio – Atomic Force Microscope (Bio - AFM)	Scintillation Counters
Differential Interference Contrast Microscope (DIC)	Sonicators
Sterilizable fermenter (12 litre capacity)	Fluorescence Microscope
Automated hematology & coagulation analyzers	Protein sequencer
Surface Plasmon Resonance	Inverted microscope
Confocal Laser Scanning Microscope	Spectropolarimeter
High speed and ultra-centrifuges	Centrifugal lyophilizers
Circular Dichroism Spectropolarimeter	Spectrofluorimeter
Microarray printer Time Lapse Video Microscope with fluorescence attachments	Spectrophotometers

In addition to these, equipment at CRNTS, SAIF and the Chemical Engineering department can be accessed and are frequently used by members of the department. For more details:



<http://www.bio.iitb.ac.in/research/facilities/central-facility-equipment>  
<http://shodh.ircc.iitb.ac.in/faculty/ProfTomyCommitteeReportFacility.pdf>  
<http://www.saif.iitb.ac.in/>

# FACULTY @ BSBE

We are proud to have among us the following distinguished faculty members, as a part of the department. They are responsible for shaping the department to what it is today and are definitely, the pillars that keep us standing. The main areas of research undertaken in each of their labs are mentioned here. *Do click the links and checkout each faculty's profile and lab webpage for more information.*



**[Prof. Rohit Srivastava\(Head of the Dept\)](#)**

**[rsrivasta@iitb.ac.in](mailto:rsrivasta@iitb.ac.in)**

**[Nanobios Lab](#)** (Room : 505)

Cancer therapy and diagnostics, Sensors for blood analytes, Orthopedics –drug delivery, tissue engineering, implants, infections.



**[Prof. Rohit Manchanda](#)**

**[rmanch@iitb.ac.in](mailto:rmanch@iitb.ac.in)**

**[Computational Neurophysiology Lab](#)** (Room : 506)

Computational studies on synaptic transmission, electrical signaling and information processing in excitable cells and tissues. Computational modeling of the urinary bladder, Modeling of Medium Spiny Neurons (MSNs)



**[Prof. Soumyo Mukherji](#)**

**[mukherji@iitb.ac.in](mailto:mukherji@iitb.ac.in)**

**[Biosensors and Instrumentation Lab](#)** (Room : 301)

Optical biosensors – Evanescent Wave, UV-Based, Localized Surface Plasmon Resonance-based, Impedance Spectroscopy



**[Prof. Rinti Banerjee](#)**

**[rinti@iitb.ac.in](mailto:rinti@iitb.ac.in)**

**[Nanomedicine Lab](#)** (Room: 503)

Nanomedicine, Drug delivery, Tissue engineering, Bone diseases, Bacterial infections.



**[Prof. Prakriti Tavalia](#)**

**[prakriti@iitb.ac.in](mailto:prakriti@iitb.ac.in)**

**[Cell and Tissue Engineering Lab](#)** (Room : 602)

Biomaterials, Microfabrication, 3D cell motility, Immunotherapy, Cell programming, Drug delivery, Tissue engineering



**[Prof. Shamik Sen](#)**

**[shamiks@iitb.ac.in](mailto:shamiks@iitb.ac.in)**

**[Biophysics Lab](#)** (Room : 605)

Work on cancer, particularly in mechanobiological aspects, Study on how properties of microenvironment influence cancer progression.



**[Prof. Debjani Paul](#)**

**[debjani.paul@iitb.ac.in](mailto:debjani.paul@iitb.ac.in)**

**[Microfluidics and Biological Physics Lab](#)** (Room : 604)

Traditional microfluidics for core biology and research in lab-on-a-chip devices, Paper microfluidics for Point-of-Care diagnostics, Biophysical parameters governing bacterial growth, motility and cooperative behavior, Hand-held diagnostic devices (cell sorting)

**Prof. Dulal Panda****panda@iitb.ac.in****Molecular Cell Biology Lab** (Room : 401)

Regulation of cell cycle and apoptosis pathway, Microtubule and associated proteins, Discovery of new drugs for cancer therapy, Regulation of bacterial cell division and discovery of antibacterial drugs.

**Prof. Petety V. Balaji****balaji@iitb.ac.in****Glycobiology Lab**(Room : 402)

Use of computational biology to study carbohydrate interactions and search for their presence in various organisms, Study of atomic level interactions using bioinformatics and molecular dynamics simulation tools, Computational chemistry.

**Prof. Jayadeva Bhat****jayadeva@iitb.ac.in****Molecular Genetics Lab** (Room : 403)

Metabolic basis of cancer, Evolutionary genetics, Developmental biology of yeast, functional genomics.

**Prof. Swati Patankar****patankar@iitb.ac.in****Molecular Parasitology Lab**(Room : 502)

Basic biology of malarial parasite, use of heterologous systems like yeast and toxoplasma to understand Plasmodium pattern, Determine uniqueness of the cell biology of the organism, Gene regulation, protein trafficking and translation studies with microtubule inhibitors.

**Prof. Anirban Banerjee****abanerjee@iitb.ac.in****Bacterial Pathogenesis Lab**(Room : 201)

Multiple disciplines like cell biology, molecular biology, microbiology etc., decipher the mechanisms of pneumococcal pathogenesis, its interaction with the host and identify/characterize its virulence genes, Study host antimicrobial mechanisms that keep S. pneumonia infection in check.

**Prof. Prashant S. Phale****pphale@iitb.ac.in****Metabolic Engineering Lab** (Room : 405)

Isolation of soil bacteria (Pseudomonas) for degradation of aromatic and aliphatic hydrocarbons, Study of genes involved, their regulation, transcription, enzymes and metabolic pathways.

**Prof. N. S. Punekar****nsp@iitb.ac.in****Metabolism and Enzymology Lab**(Room : 404)

Microbial Biochemistry, Molecular Enzymology, study of different enzymes involved in nitrogen metabolism in *Aspergillus niger*(model organism) and their properties, Citric acid production in *A. niger*.



**[Prof. G Subrahmanyam](#)**

**[gsm@iitb.ac.in](mailto:gsm@iitb.ac.in)**

**[Molecular Immunology and Cell Signalling Lab](#)** (Room : 504)

Elucidate the role of lipid signaling in cancer cell proliferation and motility using breast cancer cell line as a model, Structural studies of PI4 kinase using its different mutants, understanding of type II PI4 kinases function and its regulators.



**[Prof. PrasenjitBhaumik](#)**

**[pbhaumik@iitb.ac.in](mailto:pbhaumik@iitb.ac.in)**

**[Protein Crystallography Lab](#)**(Room : 603)

Use of crystallography to determine the structures of proteins, enzymes and other macromolecules.



**[Prof. Santanu Kumar Ghosh](#)**

**[santanughosh@iitb.ac.in](mailto:santanughosh@iitb.ac.in)**

**[Chromosome and Plasmid Segregation Lab](#)**(Room : 303)

Mechanism of faithful chromosome segregation during meiotic cell division, Exploring 2 micron plasmid biology to study strategies adopted by selfish DNA elements for propagation.



**[Prof. Kiran Kondabagil](#)**

**[kirankondabagil@iitb.ac.in](mailto:kirankondabagil@iitb.ac.in)**

**[Molecular Virology Lab](#)**(Room : 601)

Viral genome packaging, DNA replication mechanism in viruses, New virus isolation from ponds.



**[Prof. Ashutosh Kumar](#)**

**[ashutoshk@iitb.ac.in](mailto:ashutoshk@iitb.ac.in)**

**[NMR-based Structural Biology Lab](#)**(Room : 606)

Structural Biology, Decipher the structural aspects of amyloid, bacterial cell cycle and cell division proteins using Nuclear Magnetic Resonance, CD Fluorescence and Atomic Force Microscopy.



**[Prof. AmbarishKunwar](#)**

**[akunwar@iitb.ac.in](mailto:akunwar@iitb.ac.in)**

**[Biophysics and Computational Biology Lab](#)**(Room : 204)

Understand intra-cellular transport, cell growth, cell division and cell migration using knowledge of molecular motor functions, dynamics of cytoskeletal filaments and their regulators.



**[Prof. Samir K. Maji](#)**

**[samirmaji@iitb.ac.in](mailto:samirmaji@iitb.ac.in)**

**[Protein Engineering and Neurobiology Lab](#)**(Room : 305)

Protein aggregation, with a focus on  $\alpha$ -synuclein, the amyloids associated with Parkinson's disease, Amyloid formation, Neurodegenerative diseases, studying mechanism of protein mis-folding, aggregation.

**Prof. Ranjith Padinhateeri****ranjithp@iitb.ac.in****Physical Biology Lab**(Room : 306)

Simulations for models of biological systems such as cytoskeleton and chromatin using C and Molecular dynamics. Dynamics of cytoskeleton filaments, chromatin remodeling, mechanics of DNA. Broad areas of interest are biophysics and soft-matter physics.

**Prof. Rahul Purwar****purwarrahul@iitb.ac.in****Autoimmunity and Cancer Immunology Lab**(Room : 302)

Autoimmunity, Tumor immunology, Medical Biotechnology, Cancer Biomarker

**Prof. Sanjeeva Srivastava****sanjeeva@iitb.ac.in****Proteomics Lab**(Room : 304)

Study of proteomic alterations in diseases like malaria, brain cancer, etc., Alterations in bacteria, yeast. Biomarker discovery, study protein-protein interaction and drug target discovery.

**Prof. Neeta Kanekar****nkanekar@iitb.ac.in****Movement Neuroscience & Rehabilitation Technology Lab** (Room : 202)

Motor Control, Organization and execution of human movement and postural control Movement Neuroscience, Motor Learning, Neural Plasticity, Rehabilitation Science

**Prof. Hari M. Varma****harivarma@iitb.ac.in****Theoretical and Experimental Bioimaging Lab** (Room : 203)

Optical tools in medical imaging, laser speckle contrast imaging for blood flow measurements, Inverse problems in medical imaging

**Prof. Dr. Sandip Kaledhonkar****sandipk@iitb.ac.in**

Structural Biology, single particle Cryo-EM, Cryo Electron Tomography, Time-resolved techniques.

**Prof. Roop Mallik****roop.mallik@gmail.com**

Molecular Motor Proteins, their role in Pathogen Degradation and Lipid Homeostasis in Liver.

**Prof. Dr. V. P. Soni****profvps@iitb.ac.in****Adjunct Faculty**

Nano-Biocomposite as synthetic bone substitutes, Biomaterials for Maxillofacial Surgery, Dental Micromotor with Modifications, Portable Laser Device for Maxillofacial Surgery, Design of Bone Plates for fractures of facial region, Methods of correction of Jaw deformities, Electromyography of jaw muscle.



# STAFF



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Multi-skilled Assistant C  
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Supporting Staff:



**Arif Shiekh**



**Deepak Rama Talekar**

# STUDENT WELLNESS CENTRE (SWC)

After securing admission at the Institute and starting your stay here, you may feel that a lot of parameters around you are different. You would have more responsibilities to handle at the hostel and at the academic level. Take heart, you will not be the only one. 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.

It is important to understand that students often lose their focus and give in to these pressures. If not attended to at the right time, this could lead to poor performance - both academically and personally.

To help you refrain from losing focus and being unhappy, the Counsellors at SWC encourage you to approach them for any problem that you are facing- be it academic, emotional, social or financial- without hesitation.

Counselling provides an opportunity for individuals to learn to make better choices, improve interpersonal skills, develop confidence and increase educational effectiveness. In a one-on-one meeting with a counsellor, students are helped to explore and express feelings, examine beliefs and ways of thinking about their present situation, reflect on patterns of behavior, and work toward making healthier and happier

## Services

### *Student Wellness Centre provides*

#### 1. Individual Counselling...

- student get space to talk with no pressure
- confidentiality is maintained
- no judgment, criticism and assumptions
- you can unburden yourself

#### *Counsellors will...*

- respect you and your problems
- will help you to consider the different options and make choices
- surely will make an attempt to reduce the problem
- will intervene with right people to help you if required

#### 2. Psychological Assessment

In some cases where more precise diagnoses are required, we conduct psychological assessments. These tests are administered by a trained psychometrician. These tests help all those who are concerned with the student's wellbeing to decide upon the best possible intervention.

#### 3. Workshops and Events

The Wellness Centre also organizes different workshops and events during each academic year. The workshops and events are organized on different topics related to mental health and are based on the need of the students like dealing with stress, time management, relationship issues etc. We also have a training program for mentors where effective mentoring skills are demonstrated and sharpened; updates of which can be seen on [www.facebook.com/icareiitb](http://www.facebook.com/icareiitb).

## Appointment

Appointments are available from 10.30 am to 5.30 pm Monday-Friday and students are usually seen for 45 minutes, depending on demand. Student can take appointment by mailing us on: [wellness@iitb.ac.in](mailto:wellness@iitb.ac.in)

Intake appointments are scheduled with students at times and dates which are convenient to them, depending on their academic commitments. In either case, the goal of the first meeting is to help the student identify the issues that are causing them the most concern.

If a student wishes to continue in counselling, he/she usually continues to meet with the same counsellor seen in intake or Walk-In

## SWC & the COVID-19 ERA

The lockdown imposed by the government was applied to three main areas: physical movement out of the home, social distancing when outside the home, and restricted availability of most public services while sparing essential services. This was to curb the spread of infection but, there was a sudden and drastic alteration in the daily routine, with many millions stranded in boarding houses and rental apartments, without work and far from home.

While at home, some with their families and others away from their loved ones, suffered from many behavioural and mental disturbances like Anxiety, Depression, Loneliness, Lack of concentration, panic and fear, apprehension of the future, financial strain, and the list continues.

Mental health is a crucial aspect that needs to be addressed during this lock-down as all modes of communication revolve around the virus. So to combat these stressful conditions, the counselors at SWC always stand with their students to help them out with any mental trauma they are facing. To help the students facing problems, SWC has started **TELEPHONIC COUNSELING DURING LOCKDOWN**. In case you wish to talk to a counsellor over phone, kindly contact us on the given numbers during the below-mentioned timings: **Timings: 11 am to 1 pm and 4 pm to 6 pm**

**Ms. Lavina Lewis: 9769340435**

Even if you are feeling down, remember you will get through this, don't hesitate to contact Institute's trained counselors.

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

# GENDER CELL

IIT Bombay's Women's Cell has been in existence since 2002. With the enactment of the Institute's policy on sexual harassment, the Cell has been renamed the Gender Cell (GC). In recognition of the Institute's belief that its employees and students have a right to be treated with dignity and respect, the Cell works proactively towards developing a safe and secure environment for employees, and to ensure that all students may gain their education without fear of prejudice, gender bias, hostility or sexual harassment. The IIT Bombay Gender Cell (GC) inquiries into complaints of sexual harassment through its Internal Complaints Committee (GC-ICC). The GC and GC-ICC strive to work towards an egalitarian environment where men and women are afforded equitable treatment and equality of opportunity conducive to their professional growth.

## What kind of complaints does the Gender Cell address?

The Gender Cell's Internal Complaints Committee inquiries into complaints of sexual harassment through. 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 favors;
3. Making sexually colored 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 Website: <http://www.gendercell.iitb.ac.in/>



# BSBE STUDENT COMPANION TEAM 2020-2021

## Department Coordinators



**Akash Bansal (M.Tech)**  
[akashbansal2201@gmail.com](mailto:akashbansal2201@gmail.com)  
8076438169 | 9911081450



**Rishabh Chandna (M.Sc.)**  
[rchandna787@gmail.com](mailto:rchandna787@gmail.com)  
8433575211 | 9873206411

## Student Companions

### M.Tech



**Vedika Choudhari**  
[vedikachoudhari@gmail.com](mailto:vedikachoudhari@gmail.com)  
9850834266

### M.Sc



**Aishi Dasgupta**  
[dgaishi@gmail.com](mailto:dgaishi@gmail.com)  
8240749388,  
9681543341



**Deepshikha**  
[deepshikhasingh2052@gmail.com](mailto:deepshikhasingh2052@gmail.com)  
9810303810



**Ditipriya Mukherjee**  
[ditipriya14mukherjee@gmail.com](mailto:ditipriya14mukherjee@gmail.com)  
9038024412



**Soujanya S**  
[soujanya.sourkudel@gmail.com](mailto:soujanya.sourkudel@gmail.com)  
9008245149



**Kaustav Majumder**  
[kaustavmajumder1407@gmail.com](mailto:kaustavmajumder1407@gmail.com)  
8910558559,  
8902231702

# HIGHLIGHTS OF THE DEPARTMENT

## Weekly Seminars

Presenting, listening and debating scientific ideas are an essential part of a research. To provide an opportunity to cultivate and incubate this culture, the department conducts very useful seminar series. Seminar talks are held every Wednesday where the speakers include faculty, senior PhD students who present their research work and other students who present scientific ideas or papers. Throughout the year, the BSBE department also hosts seminars by inviting various eminent individuals known for their known for their contribution to academics or industry.

You can find the seminar schedule at <http://www.bio.iitb.ac.in/bsbe-seminar-series>.

## Department Library

The department Library is an exclusive library that has a large collection of books, journals and non-book materials. It caters to the needs of large groups of users including more than 150 students, 50 faculty, 80 research scholars and equally large number of supporting staff. It is divided into two groups: Biotechnology Group and Biomedical Group. The department library is located in the lobby of the department (behind the office). The library can be used from 10 AM to 3.30 PM if it is not booked for any other purpose like seminars.

## Gnosis: BSBE Magazine

‘Gnosis’ is the Greek word for ‘Divine knowledge’. As the name suggests, this e-magazine is the holy grail of interesting articles in the field of Biosciences, Bioengineering and other relevant areas of interest. It is maintained by the students and acts as a platform for posting achievements and interesting events and research happening in our department. The magazine covers technical and non-technical events in the department. We even have a space for alumni and faculty to reflect upon.

**Website:** <http://www.bio.iitb.ac.in/~gnosis/>.

## GENVISION: The BSBE fest

Genvision is the annual department fest organized by the Symbiotek Council. Filled with fun activities like treasure hunt, quizzes and games, Genvision sees a participation of more than 500 students from all over India. It is an amazing platform where students are encouraged to think out of the box, push their horizons and learn from lectures by eminent scientists, visit the BSBE labs, and take home amazing gifts.

The symbiotek council, which has been active since 1997, makes sure that genvision gets better every year and works to make it a huge success. Starting from inviting participants, making PR rounds to colleges around Mumbai to designing posters and certificates, every little detail is taken care of by the council comprising solely of the students. Symbiotek is nothing less than a family and is definitely something every student should be a part of. Here are some glimpses of GENVISION 2020- Translational and Sustainable Biology.

Website: <http://www.bio.iitb.ac.in/~symbiotek/>

The Symbiotek council 2019-20:

Overall Coordinators:

**Parijat Das**                      [parijatdas94@gmail.com](mailto:parijatdas94@gmail.com)                      8250622662

**Chinmay Kamale**                      [chinmay.kamale@iitb.ac.in](mailto:chinmay.kamale@iitb.ac.in)                      7045451345



## Student Alumni Relations Cell (SARC)

Fueled by zeal and a desire to make a difference

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 & student communities of IITB together to create a synergy of ideas, respect, knowledge & everything that our Institute stands for.

Its Events and Initiatives include:

- **Alumination: Flagship Event of Student Alumni Relations Cell**
  - **Student Alumni Meets: Networking sessions in various alumni chapters**
- **Phonathon: Telephonic marathons to connect with alumni**
  - **Reunions: The most awaited yearly alumni reunions**
- **Alumni Sports Weekend: A fun-filled sports weekend for the alumni and students**
  - **Institute Valedictory Function: The last event of an IITB student's insti life**
- **ProVachan: Non-core fundae talks by our very own alumni!**
  - **SARCasm: Head scratching online cryptic hunts for the students**
- **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**
- **Institute Yearbook: "Thousand Thoughts. Million Memories. Infinite Feelings."**



**Aishi Dasgupta**

**Department Alumni Secretary  
Biosciences and Bioengineering  
Student Alumni Relations Cell (SARC)  
Hostel and Department Affairs, 2020-21  
[dgaishi@gmail.com](mailto:dgaishi@gmail.com)  
9681543341**



## Department Council

### Department General Secretary



**Roshan Kesari**

[roshankeshari220@gmail.com](mailto:roshankeshari220@gmail.com)

7734006698

### M.Sc. Representative



**Rajeshkumar Gop**

[rajeshkumar11042@gmail.com](mailto:rajeshkumar11042@gmail.com)

7021449632 | 9920124682

### M.Tech. Representative



**Afrah Aboo**

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

8606772577

## Post Graduate Academic Council

PGAC core team members from the department



**Sohini Dasgupta**

Institute Masters Representative (2020-2021)  
Post Graduate Academic Council (PGAC)  
8582913789/ 9830649739



**Pritha Dasgupta**

Executive Member (2020-2021)  
Post Graduate Academic Council (PGAC)  
7059945351

## Academic Unit Representative for Academic Affairs (AURAA)

An 'AURAA' represents the Department in the Post-Graduate Academic Council (PGAC). Academic issues faced by students will be taken up to the General Secretary Academic Affairs (GSAA-PG) through Institute Master's Representative (IMR). Together, they are here to make your stay comfortable by helping you sort out your academic issues.



**Manukrishna Manikandan**

M.Sc. AURAA  
Biosciences and Bioengineering  
[manukrishna98@gmail.com](mailto:manukrishna98@gmail.com)  
9810338593 | 9811388593



**Rashmi Ananda Selvam**

M.Tech AURAA  
Biosciences and Bioengineering  
[rashmi.a.selvam@gmail.com](mailto:rashmi.a.selvam@gmail.com)  
8054527371

## Cultural Council

Apart from academics IIT Bombay gives you every opportunity and motivates you to participate in the vast cultural community it has. This is the place where you can showcase your talents and develop new passions by becoming an active member of the various clubs which organize numerous activities around the year to keep you on your toes. BSBE has actively participated in these events and performed exceptionally well. Hence we encourage all students to come forward and participate in these events and make BSBE shine even more. Make your time in IIT a truly enriching experience. IIT Bombay will never let you get bored as it has so many platforms where you can discover new interests at the departmental as well as the institutional level. BSBE did a wonderful job by achieving the overall champions trophy in **PG Cult 2018-19** and has shown extensive participation in **PG Cult 2019-2020** Phase 1. Hope to expand the cultural team by warmly welcoming freshers.

### Cultural secretary



**Ritika Aggarwal**

[ritikaaggarwal117@gmail.com](mailto:ritikaaggarwal117@gmail.com)  
9958602492

### Cultural coordinator



**Ravi Kishan**

[ravikishan136@gmail.com](mailto:ravikishan136@gmail.com)  
8084319698

### Cultural secretary



**Mahima Badhan**

[mahi.badhan306@gmail.com](mailto:mahi.badhan306@gmail.com)  
9779366470

## Sports Council

### Sports secretary



**Preeti Yadav**

[pv2preetiavad@gmail.com](mailto:pv2preetiavad@gmail.com)  
8377056394

### Sports coordinator



**Sagata Das**

[sagatadas2014@gmail.com](mailto:sagatadas2014@gmail.com)  
8170992823

### Sports secretary



**Teji Shenne Korma**

[teji.shenne@gmail.com](mailto:teji.shenne@gmail.com)  
9987698414

## Placement team (2020-2021)

### Recruiters



### Company Coordinators



**Nidhi Ray**

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

9674140195 | 7003394813



**Akash Bansal**

[akashbansal2201@gmail.com](mailto:akashbansal2201@gmail.com)

9911081450 | 8076438169



**Vedika Choudhari**

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

9850834266

### Department Placement Coordinators

#### M.Sc.



**Ritu Hembrom**

[hembromr840@gmail.com](mailto:hembromr840@gmail.com)

6203048011

#### M.Tech



**Raghavendhran R M**

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

8760946053

## BSBE Placements 2019-20

“Desire is the starting point of all achievement, not a hope, not a wish, but a keen pulsating desire which transcends everything.”

-Napoleon Hill

### Placement records of M.Sc. students:

Name	Company	Job Description
Aparna Singhal	Byju's	Teaching and Associate
Pradip Karmakar		Academic content developer
Rohan Kumar Parida	Tomorrow's Genius Company	Associate Academic Consultant
Barnava Banerjee		
Lisha Avasthi		
Shalini Tyagi	CitiusTech	Consultancy

No. of students registered = 15 , No. of students placed=6

### Placement records of M.Tech. students:

Name	Company	Job Description
Omveer Rajawat	wcb_robotics	(NA)
Ravi Prakash Yadav	Ubisoft	IT/Software
Ruchika Pandey	Citibank India	Finance
Uroosa Warsi	Indegene	Analytics
Vaghela Sagarkumar Ramniklal	Halconsystems	Engineering & Technology
Chetanya	Archeron	Research & Development
Hemant Meena	Broadridge	IT/Software
Krutika Talegaonkar	Javis	IT/Software
Pooja Borhade	Tom'sG	Education
Pranati Das	Sysmex	Research & Development
Rahul Pramjeet	Axis123	Analytics
Syed Shehbaz Ali	Innovitltd	Analytics
Vijay Patidar	Sleepiz	Engineering & Technology
Sayan Roy	MAK Kotwal Realty	mak_kotwal

No. of students registered= 23, No. of students placed= 14

## Internship Cell

Internship cell is a part of the Placement cell that provides a well-organized and structured portal to provide internships to students during their summer and winter vacations. It is a gate way to first-hand experience in the professional world that helps in forging fruitful and sustained associations with various institutes and companies across India and abroad.

Experience gained by students in this duration hones their research outlook and technical skills while preparing them to undertake any future endeavors in various organizations. Internships in universities and companies in various fields (R&D, analytics, IT, finance, and industry) benefit students in their respective ways. In a way, students get to explore, learn and adapt skills which prepare them to define their career ahead.

*“The secret of getting ahead is getting started.”*

- Mark Twain



**Aishi Dasgupta**

Institute Internship Coordinator (2019-2020)

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

8240749388 | 9681543341

## Statistics

**M.Sc. Biotechnology  
(2019-2020)**

**Students Registered  
25**

**Students Selected  
15**

**Ongoing Processing  
Interrupted by Covid-19  
10**

# BSBE Internships 2019-20

Name	Institute/Company
Rishabh Chandna	TIFR, Hyderabad
Manukrishna Manikandan	TIFR, Hyderabad
Ambalika Chowdhury	TIFR, Hyderabad
Shrawan Kumar Chowdhury	CCMB, Hyderabad
Ravi Kishan	CCMB, Hyderabad
Satadru Chakraborty	CCMB, Hyderabad
Anirban Shit	NII, Delhi
Pritha Dasgupta	NII, Delhi
Kaustav Majumdar	IISER, Kolkata
Ritika Aggarwal	CDRI, Lucknow
Nidhi Ray	CDRI, Lucknow
Neelima Sharma	CDRI, Lucknow
Ditipriya Mukherjee	Pandorum Technologies
Preeti Yadav	NCBS, Bangalore
Aishi Dasgupta	NCBS, Bangalore

## Potential Recruiters

**TIFR Centre for Interdisciplinary Sciences**

**CSIR - Centre for Cellular & Molecular Biology**  
Council of Scientific and Industrial Research  
Ministry of Science & Technology, Govt. of India

**IISER KOLKATA**

**inStem**

**Pandorum**  
Building blocks of life

**CSIR-Central Drug Research Institute, Lucknow**

**राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान**  
**National Institute of Immunology**

**ncbs**  
National Centre for Biological Sciences  
Tata Institute of Fundamental Research

There were various other notable and renowned institutes that were ready to take M.Sc. Biotechnology students as interns. However, unfortunately due to the unprecedented scenario due to Covid-19 and the following inevitable lockdown implemented by the Government, those internship offers didn't see the daylight.

**NISER**  
परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान  
An Autonomous Institute under DAE, Government of India

**INDIAN INSTITUTE OF SCIENCE**  
भारतीय विज्ञान संस्थान

**CDFD**

**ICMR Niced**  
INDIAN COUNCIL OF MEDICAL RESEARCH  
NATIONAL INSTITUTE OF CHOLERA AND ENTERIC DISEASES

**NCCS**  
NATIONAL CLIMATE CHANGE SECRETARIAT SINGAPORE

**National Centre for Cell Science**

**IISER PUNE**

# KNOW YOUR SENIORS

## M.Sc Batch 2021



**First Row (Sitting) [From left to right]:** Ritika Aggarwal, Ritu Hembrom.

**Second Row (Sitting) [From left to right]:** Kaustav Majumder, Sunil Gadhwal, Shrawan Kumar Choudhary, Rama Devi Challa, Sohini Dasgupta, Nidhi Ray, Manukrishna Manikandan.

**Third Row (Standing) [From left to right]:** Ravi Kishan, Ambalika Chowdhury, Ankita Kumawat, Ditipriya Mukherjee, Neelima Sharma, Pritha Dasgupta, Aishi Dasgupta, Brajesh Kumar Meena.

**Last Row (Standing) [From left to right]:** Preeti Yadav, Jyoti Devi, Satadru Chakraborty, Rajeshkumar Gop, Saurabh Singh Dhakar, Rishabh Chandna, Anirban Sheet, Mohd Ashkeen Shekh.



# KNOW YOUR SENIORS

## M.TECH BATCH 2021



**First Row (Sitting)[From left to right]:** Tennyson Mathai, Teji Shenne, Kalpataru Jena, Prabhat Bara, Satyam Rathore, Sagata Das.

**Second Row (Sitting)[From left to right]:** Asheem Mishra, Ankit Halder, Dileep Mukkera, Akash Bansal, Raghavendhran(Standing)

**Third Row (Standing)[From left to right]:** Manisha Byakodi, Soujanya, Vedika Choudhari, Mahima Badhan, Rashmi Selvam, Nisha Kumari, Vibha Kumari, Arun Prasad, Diksha Verma, Akanksha Bisht, Afrah Aboo, Deepshikha, Ayush Pandey

**Last row (Standing):** Bhupender Kumar Lawa.

## Projects: M.Sc. Biotechnology

Name	Roll No.	Title	Guide
Rajeshkumar Sahdeokumar Gop	195300001	Role of tau post transnational modification in neurodegeneration	Prof. Dulal Panda
Neelima Sharma	195300002	Structure-based repurposing of approved drugs for viral infection.	Prof. Ashutosh Kumar
Rishabh Chandna	195300003	Designing and construction of vector for the expression of proteins in Pseudomonas sp. and E. coli.	Prof. P.S. Phale
Rama Devi Challa	195300004	Injectable scaffolds for immunotherapeutic applications	Prof. Prakriti Tayalia
Ankita Kumawat	195300005	Studies on the structure-function degeneracy in glycosylation pathway enzymes.	Prof. P.V. Balaji
Mohd Ashkeen Shekh	195300006	Identification of bacterial cell surface protein as substrate for cellular ubiquitination and subsequent proteasomal degradation	Prof. Anirban Banerjee
Saurabh Singh Dhakar	195300007	In silico analysis and structure prediction of 1-naphthol hydroxylase to understand the substrate specificity.	Prof. P.S. Phale
Ritika Aggarwal	195300008	Information encoding via chromatin packaging	Prof. Ranjith P
Sunil Gadhwal	195300010	Understanding the interface between C and N metabolism of Aspergillus niger	Prof. N.S. Puneekar
Preeti Yadav	195300011	Liquid liquid phase separation of protein associated with disease	Prof. Samir Maji
Manukrishna Manikandan	195300013	Synthesis and characterization of core-shell electrospun mats for skin tissue engineering	Prof. Prakriti Tayalia
Brajesh Kumar Meena	195300014	Experimental study of inactivation of pathogens using UVC based devices	Prof. Ambarish Kunwar
Ravi Kishan	195300015	Computational study of 3D organization of chromatin	Prof. Ranjith P
Shrawan Kumar Choudhary	195300016	Experimental study of inactivation of pathogens using Ozone generating devices	Prof. Ambarish Kunwar
Satadru Chakraborty	195300017	Studies on aspartic proteases for developing possible chemotherapeutic agents to combat parasitic infections.	Prof. Prasenjit Bhaumik
Ritu Hembrom	195300018	Mining prokaryotic genomes for glycosylation pathway enzymes	Prof. P.V. Balaji
Ditipriya Mukherjee	195300019	Understanding the roles of Th9/IL-9 axis in inflammation	Prof. Rahul Purwar
Aishi Dasgupta	195300021	DNA repair mechanisms in large DNA viruses	Prof. Kiran Kondabagil
Ambalika Chowdhury	195300022	Examining the efficacy of Armoured CAR-T cells	Prof. Rahul Purwar
Anirban Shit	195300023	MMP9-CD44 crosstalk during cancer progression	Prof. Shamik Sen
Kaustav Majumder	195300024	Proteolysis-targeting chimera for targeting protein-protein interactions interface	Prof. Ashutosh Kumar
Pritha Dasgupta	195300025	Development of novel and efficient cellulases for biofuel production	Prof. Prasenjit Bhaumik
Sohini Dasgupta	195300026	Role of centrosomal proteins in regulating microtubule assembly and dynamics: Implications in cell motility and cancer chemotherapy	Prof. Dulal Panda
Nidhi Ray	195300027	Detection of RNA viruses in environmental samples	Prof. Kiran Kondabagil
Jyoti Devi	195300028	p53 aggregation in cancer	Prof. Samir Maji

## Projects: M.Tech. Biomedical Engineering

NAME	ROLL NO.	PROJECT TITLE	NAME OF GUIDE
Ankit Halder	193300001	Neoantigen Biomarkers in Cancer: Omics-Based Technologies and Bioinformatics Platform development	Prof.Sanjeeva Srivastava
Mahima Badhan	193300002	Design and development of IoT enable point-of-care reader for quantification of lateral flow assay.	Prof. Rohit Srivastava
Arun Prasad N	193300003	Differences in the control of standing balance and walking performance as a function of leg dominance	Prof. Neeta Kanekar
Prabhat Kumar Bara	193300004	Age-related changes in the effects of mental fatigue on cognitive performance	Prof. Neeta Kanekar
Diksha Verma	193300005	Detection of Organic Pollutants in Water	Prof. Soumyo Mukherji
Manisha K. Byakodi	193300006	Design and fabrication of a microfluidics-based platform for polymeric nanoparticle synthesis.	Prof. Rohit Srivastava
Ayush Pandey	193300007	Studying cell physiopathology using optical diffraction tomography	Prof.Hari Verma
Akanksha Bisht	193300008	Bacteriophage lytic enzymes: mechanism, diversity and application.	Prof Kiran Kondabagil
Vedika Shrirang Choudhari	193300009	Design and Development of Hollow microneedles	Prof. Rohit Srivastava
Asheem Mishra	193300010	Recent developments in Signal processing and extraction of information from bio electric signals like ECG and EMG.	Prof. Soumyo Mukherji
Tennyson Mathai	193300011	Detection of Disease Markers in Urine	Prof. Soumyo Mukherji
Soujanya S	193300012	Transdermal devices for WHO priority vaccine delivery	Prof Rinti Banerjee
Nisha Kumari	193300013	Calcium signaling with respect to epithelial cells and imaging techniques	Prof Rohit Manchanda
Afrah Aboo	193300014	Centrifugal Microfluidics for Application in Plasma Separation	Prof.Debjani Paul
Dileep Mukkera	193300015	Lab on a Drone	Prof. Ambarish Kunwar
Satyam Rathore	193300016	Radiofrequency tumor ablation and tumor margin guide using photothermal energy	Prof. Rohit Srivastava
Rashmi Ananda Selvam	193300017	Aerosols for pulmonary drug delivery	Prof Rinti Banerjee
Raghavendhran R M	193300018	Metabolic biomarkers of skin ageing	Prof.Rahul Purwar
Deepshikha	193300019	Development of 3D scaffold for immunomodulation	Prof.Prakriti Tayalia
Bhupender Kumar Lawa	193300020	Role of Glycocalyx in the maintenance of embryonic cell fate	Prof.Shamik Sen
Kalpataru Jena	193300021	Microtubule targeting agents (MTAs) in cancer therapy	Prof. Dulal Panda
Sagata Das	193300022	Developing a NIR spectroscopy to determine purity of milk	Prof.Hari Verma
Vibha Kumari	193300023	Drug delivery platforms for Endometriosis	Prof Rinti Banerjee
Akash Bansal	193300024	Structural study of ribosome complexes from Mycobacterium smegmatis to find novel drug targets	Prof Sandip Kaledhonkar
Teji Shenne Korma	193301001	Microfluidics gradient generators	Prof.Debjani Paul

# HIGHLIGHTS OF YEAR 19-20

## Students continuing on to PhD

NAME OF THE STUDENT	UNIVERSITY/INSTITUTE
PRIYA KUMAR (M.Sc.)	University of Göttingen, Germany
RAHUL SHAHA (M.Sc.)	University of Göttingen, Germany
SOUMILI SARKAR (M.Sc.)	University of Toronto, Canada
NAFIZUL HAQUE KAZI (M.Sc.)	International Max Planck Research School for Chemical and Molecular Biology, Germany
BARNAVA BANERJEE (M.Sc.)	IIT Bombay
LISHA AWASTHI (M.Sc.)	IIT Bombay
BHARTI ARORA (M.Tech.)	University medical centre Göttingen, Germany
GAUTAM SHARMA (M.Tech.)	IIT Bombay
SURVANSHU SAXENA(M.Tech)	McMaster University, Canada
Pallod Shubham Manoj(M.Tech)	International Max Planck Research School for Chemical and Molecular Biology, Ruhr University, Bochum, Germany

## Cultural Achievements

PG CULT	
THE ART OF MAD ADS:	
Nidhi, Ravi, Rohit, Ditipriya, Ritika	2 <sup>nd</sup>
Preeti, Neelima, Pradip, Kaustav, Rishabh	3 <sup>rd</sup>
FINE ARTS	
Rangoli	
Sanket, Sangram	1 <sup>st</sup>
Make It Large	
Sanket, Sangram	3 <sup>rd</sup>
Keep It Cup	
Ritu Hembrom	1 <sup>st</sup>
Neeraja PS	2 <sup>nd</sup>

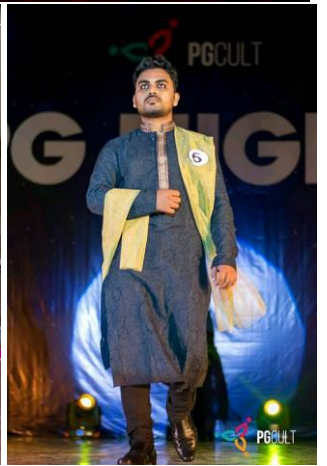
## Cultural Achievements (Contd...)

Popsicle Art	
Ankita, Ditipriya, Ritika	2 <sup>nd</sup>
Deepshikha, Asheem, Raghav	3 <sup>rd</sup>
LITERARY ARTS:	
Dank It	
Ritu Hembrom	2 <sup>nd</sup>
TREASURE HUNT:	
Pritha, Ambalika, Sohini	1 <sup>st</sup>
Preeti, Ashish, Neelima	3 <sup>rd</sup>
Nidhi, Pradeep, Abhishek Shaw	4 <sup>th</sup>
PG NIGHT	
Solo Dance	Semanti Mukherjee (1 <sup>st</sup> )
Sanmohan (Classical and Folk Arts)	Shantanu kodape (1 <sup>st</sup> )
Impromptu Dance	Nidhi Ray, Ravi Kishan
Mr. and Miss Personality	Rohan Kr. Parida
CULT CARNIVAL	
Spelling Bee	
Aishi Dasgupta	2 <sup>nd</sup>

## Sports Achievements

PG Sports	
Football	Silver
Aquatics	Gold
Volleyball	Silver
Triathlon	Gold
Tug of war	Bronze
Inter IIT matches	
Squash	gold

# Gallery: CULTURALS



# Gallery: SPORTS



# IMPORTANT LINKS

## Useful Links:

<b>BSBE Website</b>	<a href="http://www.bio.iitb.ac.in/">http://www.bio.iitb.ac.in/</a>
<b>ISCP Website</b>	<a href="https://gymkhana.iitb.ac.in/~scp/scp/index.html">https://gymkhana.iitb.ac.in/~scp/scp/index.html</a>
<b>All Students Activities</b>	<a href="https://gymkhana.iitb.ac.in/">https://gymkhana.iitb.ac.in/</a>
<b>Grading policies</b>	<a href="https://gymkhana.iitb.ac.in/~scp/scp/pdfs/grading.pdf">https://gymkhana.iitb.ac.in/~scp/scp/pdfs/grading.pdf</a>
<b>Student Wellness Center</b>	<a href="http://www.iitb.ac.in/swc/en">http://www.iitb.ac.in/swc/en</a>
<b>Gender Cell</b>	<a href="http://www.gendercell.iitb.ac.in/">http://www.gendercell.iitb.ac.in/</a>
<b>Library</b>	<a href="http://etd.library.iitb.ac.in/etd/Etd_View">http://etd.library.iitb.ac.in/etd/Etd_View</a>
<b>Placements</b>	<a href="http://placements.iitb.ac.in/">http://placements.iitb.ac.in/</a>
<b>Internships</b>	<a href="http://placements.iitb.ac.in/internship/index.html">http://placements.iitb.ac.in/internship/index.html</a>
<b>SARC</b>	<a href="https://www.sarc-iitb.org/">https://www.sarc-iitb.org/</a>

## Email and wifi related links:

<b>Software Center</b>	<a href="https://www.cc.iitb.ac.in/">https://www.cc.iitb.ac.in/</a>
<b>Connect Webmail (IITB email interface) with g-mail</b>	<a href="http://homepages.iitb.ac.in/~yatindestel/docs/GPO%20in%20Gmail.pdf">http://homepages.iitb.ac.in/~yatindestel/docs/GPO%20in%20Gmail.pdf</a>

## Facebook links:

<b>Buy and Sell @ IITB</b>	<a href="https://www.facebook.com/groups/buysell.iitb/">https://www.facebook.com/groups/buysell.iitb/</a>
<b>Symbiotek club</b>	<a href="https://www.facebook.com/symbiotek.org/">https://www.facebook.com/symbiotek.org/</a>
<b>BSBE Sports</b>	<a href="https://www.facebook.com/BSBE.Sports/">https://www.facebook.com/BSBE.Sports/</a>
<b>ISCP Facebook Page</b>	<a href="https://www.facebook.com/iitb.iscp/">https://www.facebook.com/iitb.iscp/</a>
<b>Activities of BSBE, IITB 2020-21</b>	<a href="https://www.facebook.com/Activities-of-BSBE-IITB-2020-21-102814788183592/">https://www.facebook.com/Activities-of-BSBE-IITB-2020-21-102814788183592/</a>

## Useful Apps:

<b>InstiApp</b>	Info about events, mess menu, placement blog and maps
<b>m-indicator</b>	Navigate through <b>entire Mumbai</b> with ease
<b>MYBYK and Yulu</b>	Cycle rentals
<b>PayTM, Phonepe, Gpay, Tez,</b>	

## Emergency numbers:

Note: The numbers inside the brackets are extension numbers. If you are calling from a landline inside IIT Bombay, use only the 4 numbers in the brackets.

<b>Ambulance</b>	022-2576(1101/1110)	<b>Y Point Gate</b>	022-2576(1121)
<b>Hospital</b>	022-2576(7051)	<b>Security</b>	022-2576(1100)
<b>Main Gate</b>	022-2576(1123)		
<b>Quick Response Team</b>	9167398598/ 9167398599/ 9833337979/ 9833338989		

IITB related questions on **Quora** :

<https://www.quora.com/topic/Indian-Institute-of-Technology-Bombay-IITB>



You have reached the end of the document.

You are now all set to kick-start your wonderful 2  
years of life at IIT Bombay.

Cheers!!