



CCPS

# Placement Brochure 2021-22

**Indian Institute of Technology Bhilai**

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# ABOUT IIT BHILAI

In 2016, Government of India decided to establish the nation's twenty-third IIT in Chhattisgarh. Bhilai was chosen as the natural home of this prestigious institution of national importance. Presently, IIT Bhilai is functioning from a transit campus at Government Engineering College (GEC), Raipur. Two primary engineering departments offer undergraduate and postgraduate degrees in Data Science and Artificial Intelligence, Computer Science, Electrical Engineering, and Mechanical Engineering. Postgraduate degrees in Chemistry, Mathematics and Computing, and Physics are also offered in the institution, along with a very robust PhD program.



In a very short span of time, IIT Bhilai has managed to create all necessary infrastructure for the smooth conduct of these courses across disciplines. We strive towards research-driven education that emphasizes entrepreneurship, technical leadership, and, above all, responsible citizenship. We envisage to become a globally-connected node of excellence in research and education, building partnerships with industry, academia, and government to provide opportunities and avenues to each and every one of our students for a bright and successful future.

# About the Director and Faculty

Prof. Rajat Moona is the Director of IIT Bhilai. He is also a Professor of Computer Science and Engineering at IIT Kanpur. His path-breaking contributions in defining applications such as smart-card driving licence, vehicle registration, e-passport, electronic toll collection, mobility card etc. have been widely recognized. Under the inspiring leadership of Prof. Moona, the young and talented faculty members of IIT Bhilai are also deeply engaged in cutting-edge research in various fields across engineering and science. Their work and achievements are steadily bringing the institution greater fame and prestige. Some of the key areas of research at IIT Bhilai include:

- \* Algorithms
- \* Communication and Signal Processing
- \* Information Security
- \* Advance Materials
- \* Machine Learning
- \* Microelectronics
- \* Networks
- \* Thermal Comfort and Microfluidics
- \* Additive Manufacturing
- \* Fracture Mechanics
- \* Astronomy and Astrophysics
- \* Radiative transfer
- \* Astrophysical Fluid dynamics
- \* Computational Astrophysics
- \* Image processing
- \* Data Science
- \* Power Systems
- \* Internal combustion engines and alternative fuels
- \* Micromachining and advanced PVD coatings
- \* Friction stir welding
- \* High Energy Physics and Astrophysics
- \* Solid State Physics
- \* Synthetic Chemistry and Materials Chemistry
- \* Analysis of Partial Differential Equations
- \* Number Theory
- \* Probability and Statistics

**Professor Rajat Moona**  
**Director**  
**IIT Bhilai**



# Message from Faculty In-Charge:

Greetings from IIT Bhilai I hope that you all are safe and taking all the safety precautions to avoid the spread of Covid-19.

I am pleased to convey that a batch of highly talented young students is ready to take up challenging responsibilities of the corporate world. Our final placement process is scheduled to commence in September 2021, providing you an opportunity to hire our graduating students full-time. We aim to develop a conducive environment that provides ample opportunities for students to mould themselves in ways best suited to the industry. The academic program of the institution is such that it accommodates learning and enhanced research along with personality development, all the while. Testing students in a challenging way. We are happy to share that IIT Bhilai has had some of the best placements amongst the third generation IITs in its first two placement seasons. Our students have also been able to secure lucrative internship opportunities. We have been constantly grooming our students with technical as well as soft skills to equip them for the future. All these initiatives convey our commitment to helping our students develop a global mindset and be better prepared for a globalized world of business. I invite you to have a look at the profile of our students. Also, I would like to take this opportunity to thank you for the invaluable support you have extended to us over the last year. We look forward to nurture and grow old relationships and welcome new recruiters for a long-lasting and mutually beneficial relationship.

Looking forward to meet you at our Campus!

**Dr. Dhiman Saha**  
**Faculty In-Charge**  
**(CCPS)**



# Academics

IIT Bhilai is currently offering B.Tech., M.Tech. and Ph.D. degree programs in three disciplines, namely:

- 1) Computer Science and Engineering
- 2) Electrical Engineering
- 3) Mechanical Engineering
- 4) Data Science and Artificial Intelligence

In addition to this, IIT Bhilai also offers M.Sc. and Ph.D. programs in the disciplines of Physics, Chemistry, Mathematics, and Ph.D. in Liberal Arts. IIT Bhilai provides a very unique structure of fractal academics wherein students are engaged with advanced topics early in their curriculum without an increase in any academic load. This structure provides a natural mechanism for students to indulge in small and large projects along with the courses.

**Academic Programs**

Disciplines	B.Tech.	M.Tech.	M.Sc.	Ph.D
<b>Computer Science and Engineering</b>	✓	✓		✓
<b>Data Science and Artificial Intelligence</b>	✓	✓		✓
<b>Electrical Engineering</b>	✓	✓		
<b>Mechanical Engineering</b>	✓	✓		✓
<b>Chemistry</b>			✓	✓
<b>Mathematics</b>				✓
<b>Mathematics and Computing</b>			✓	
<b>Physics</b>			✓	✓
<b>Liberal Arts</b>				✓

# Labs and Library at IIT Bhilai



## Computing Lab

The institute has two state-of-the-art computer laboratories. The labs have a total of 64 Desktop computers and six server machines with good storage and processing capabilities. The institute has two high-speed Internet links provided by National Knowledge Network and BSNL. The hostels are connected through campus-wide LAN and provide Wi-Fi links for the use of students. The entire campus of IIT Bhilai is Wi-Fi enabled and students can use the network seamlessly across various facilities.



## Physics Lab

The Physics Lab caters to the needs of students at different levels including undergraduate and postgraduate studies. The lab courses are designed to raise the curiosity of students in experiments which are key to understanding the laws of nature as well as the basic working principles of electronics. This is the place where students perform real-time experiments on previously learned topics. The lab is dynamic and keeps updating with new experiments to remain relevant to the changing times.



## Chemistry Lab

The chemistry lab is equipped with all the necessary infrastructure to conduct experiments on inorganic and organic synthesis, analytical methods, and physicochemical measurements. The experiments are selected in such a manner that the students are motivated to explore the science in chemistry further.



## Central Library

A library is a unique place inside the campus with its rich collection of books in the field of engineering, science, technology, and related areas. The Library acts as a knowledge center that offers access to essential and specialized information resources and services to meet the growing information needs.



# Labs and Library at IIT Bhilai



## D-Fabrication Lab

The future of the manufacturing industry belongs to additive manufacturing. At IIT Bhilai, a digital fabrication lab has been established to provide exposure to this most modern next-generation manufacturing technology to the students.



## FPGA LAB

TFPGAs are digital circuits that can be programmed or configured by users to cater to a wide variety of industrial and research applications. FPGAs find their usage in many different industries like aerospace, defense, automotive, consumer electronics, communications, industrial automation, image, and video processing. All the first-year students of IIT Bhilai are introduced to FPGA and the concepts of digital hardware design in the Applied Digital Logic Design course.

## Electrical LAB

The lab is equipped with state of the art equipment with remote monitoring/control capabilities for every test and measurement instrument on every worktable in order to enable consultation/evaluation from anywhere. The lab is aimed at providing resources and facilities for out of the box thinkers.



## Workshop

In the workshop, Mechanical Engineering students are introduced to industrial-type CNC-turning and milling machines. They can learn about performing complex machining operations through the development of codes. Workshop also consists of a micromachining center, welding set up and wire-cut electro discharge machine.

# LIFE AT IIT BHILAI



# Cultural Clubs & Societies



## Photography Club -TPS

At TPS, we are constantly exploring the depths of different genres of photography. In the past year, theme-based photography competitions with themes like Black and White, Lights, Work from home, Isolation and several entries. This is excluding the many challenges set for members of the club and frequent meetings for mutual benefits of members.



## Music Club -Swara

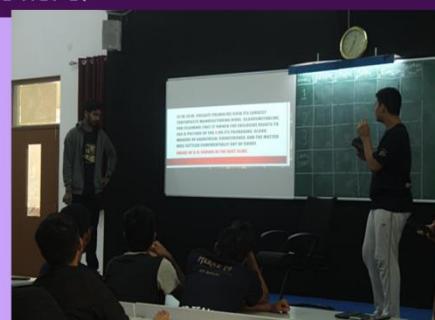
Swara is the music club of iit bhilai. Previous year the club is divided into a band, for major college events such as ciao . And regular club, for institute programs and other open mics.

Swara as a club and band has performed at college festivals like Colossus (HNLU Naya Raipur), Armageddon (IIM Raipur), at Inter IIT Cultural Meet



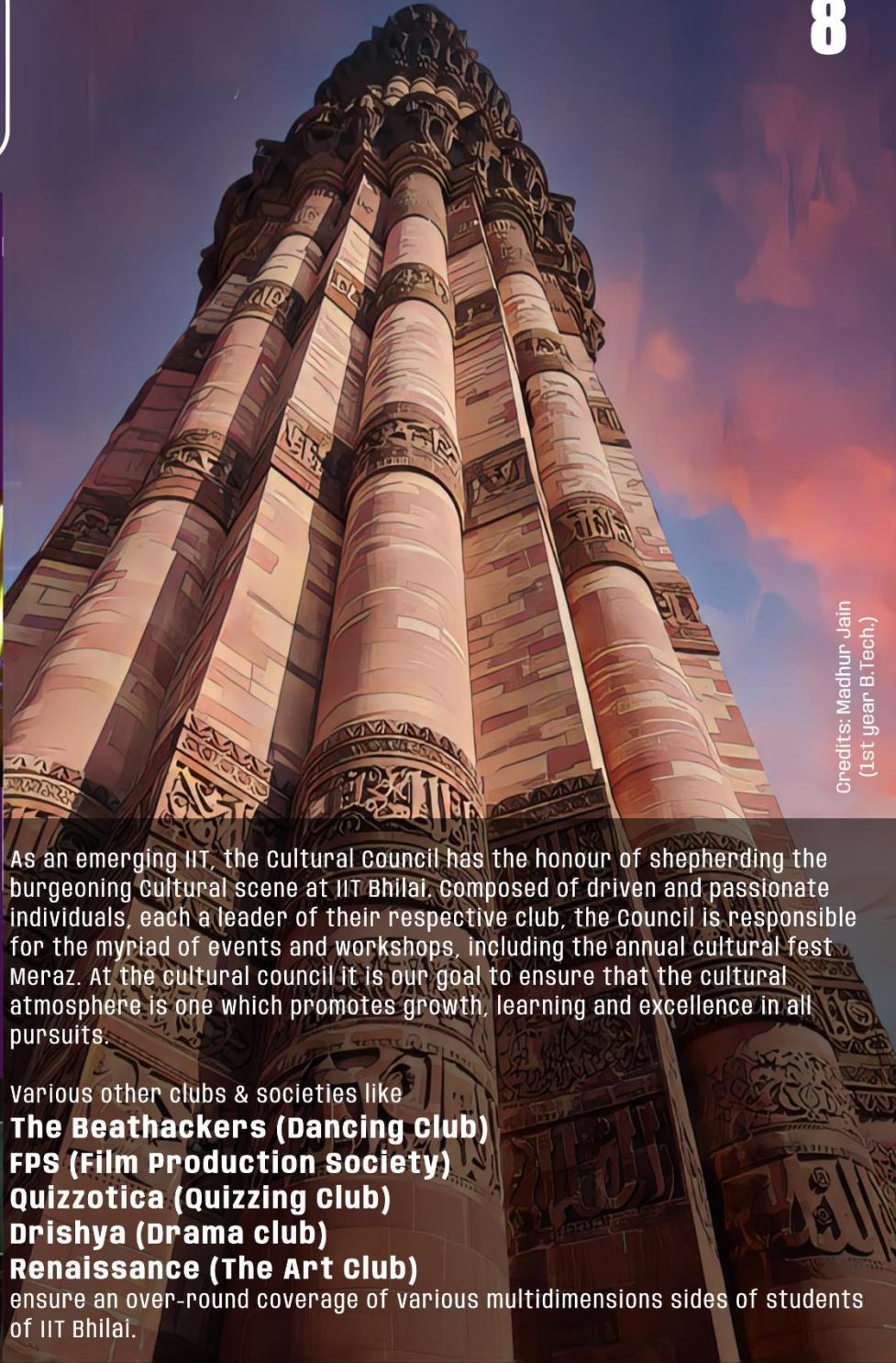
## Designing Club - DesignX

We enjoy working on designing articles, posts, posters, apps, and pretty much anything that includes the need of a good User Experience (UX). Home to those who wish to peek beyond the book's cover and dive deeper into the subtle art of designing and the tools involved in the design process reside here!



## Literary and Debating Society-

Debators of IIT Bhilai need a arena for their enthusiastic exchange of views and expressions; GOALS fulfil thier aspiration by providing them a place where they can dive in the never ending ocean of literature and glide through toughest gusts of super hot debates. Society has conducted several natinal level literary contests.



As an emerging IIT, the Cultural Council has the honour of shepherding the burgeoning Cultural scene at IIT Bhilai. Composed of driven and passionate individuals, each a leader of their respective club, the Council is responsible for the myriad of events and workshops, including the annual cultural fest Meraz. At the cultural council it is our goal to ensure that the cultural atmosphere is one which promotes growth, learning and excellence in all pursuits.

Various other clubs & societies like

**The Beathackers (Dancing club)**

**FPS (Film Production Society)**

**Quizzotica (Quizzing club)**

**Drishya (Drama club)**

**Renaissance (The Art Club)**

ensure an over-round coverage of various multidimensions sides of students of IIT Bhilai.

# The Sci-Tech council



## The Epsilon Club

The Epsilon Club, a club under the Science & Technology Clubs, IIT Bhilai, is a prodigious & one of the most appreciated feature of this Institute. The idea of providing a common platform for students interested in Robotics is what makes it different from other clubs. The main motive of the club is to provide a really strong platform for bringing the students' ideas on Robotics .

## Astronomy and Astrophysics Club -SES

SES is an astronomical and aeromodelling society that seeks to provide a platform for conducting activities in the fields of observational astronomy, theoretical astrophysics, and aerospace engineering. The Society is divided into two divisions: Aeromodelling division and Astronomy/Astrophysics division.



## Competitive Coding -Ingenuity

Ingenuity club is the competitive coding club of IIT Bhilai. As the name suggests, this club is for the problem solvers! The prime motive of the club is to promote and enrich the coding culture in IIT Bhilai. The club provides a constructive and budding environment to the students who share a passion for problem solving and competitive programming.



## Open Source Contribution- Openlake

We at OpenLake are on a mission to make the open-source contribution culture thrive in IIT Bhilai. We conduct events to promote participation in open-source internship programs like GSoC, Outreachy, MLH, etc. We also have our own open-sourced projects for IIT Bhilai students to contribute. We'll conduct hackathons, technical



**OpenLake**  
For a Better World



## Developer Student Clubs (DSC)

DSC is a university program kick started by Google Developers to train thousands of student developers globally and to work with their communities to solve real-life problems. DSC, IIT Bhilai was set-up primarily to ensure that we can bridge the divide between a student's eagerness to learn and the technology evolving every day.

## Electromos club

Electromos is the electronics club under the Science and Technology council, IIT Bhilai. The club organises various workshops and events to motivate students to bring their innovative ideas to real-life projects. Hands-on experience with Arduino , Raspberry Pi and various cool projects attracts students of all the disciplines

# INCREDIBLE EVENTS AND FESTS AT IIT BHILAI

10

**Meraz**-IIT Bhilai's very own fest was first celebrated in 2018. It is a Techno-cultural fest that proves to be a good refreshment activity for the students. The perfect blend of tech and cultural events caters to the taste of all kinds of participants. Cultural events like dance competitions, battle of bands, nukkad nataks and fashion shows add to the vibrance of the fest. If you feel that this fest of an IIT isn't sci-fi enough, we've got a plethora of sci-tech events: Code Crusade, Robo-Kabaddi, Robo-Soccer and Arena Haste. These events bring together people from institutions from all over the country. esports is in trend and the FIFA and CSGO competitions in Meraz bring out that inner gamer in you. The list of events and activities go on and on: Speed Dating, Beg Borrow Steal and Dare to Dare.

Meraz would leave you starstruck with the celebrity performances like a stand-up from Akash Gupta and music performances from renowned bands. The fest is wrapped up with an



**Prayatna**, the annual intra-institute sports tournament is organised every year. Prayatna, which means "effort" is aimed to arouse the sportsman spirit of the budding technocrats. This is an amalgamation of team spirit and healthy competitive spirit which goes on in a three-month long array of varied sports fixtures involving eight sports presently offered by the institute, viz. table tennis, chess, volleyball, badminton, football, cricket, athletics and basketball. Prayatna is another feather to the cap of this newly established yet fervently developing institute. Every year Prayatna drives a wave of energy and Joy among the students



**Tech meet** is an informal technical event organized across various IITs. It started in 2012 at IIT Kanpur as pan India initiative to get the best minds of the country to understand the problems and use technology to create innovative solutions. The students of IIT Bhilai participated in the 9th Tech Meet which was conducted online by IIT Guwahati during 26th-28th March, 2021.



# PLACEMENT HIGHLIGHTS

The Centre for Career Planning and Services is aimed at assisting students in selecting their career paths and to provide ample placements and internships opportunities. CCPS prides itself in numerous success stories of amazing achievements right from its inception. The second placement session had been conducted during 2020-2021 which has added another milestone and bright colors to CCPS.



**80+**  
RECRUITERS



**85+**  
JOB OFFERS



**12+LPA**  
AVERAGE CTC



**36 LPA**  
HIGHEST ANNUAL  
PACKAGE



**100%**  
PLACEMENTS IN  
M.TECH. - CSE



**SEVERAL WENT  
ABROAD FOR  
HIGHER STUDIES**

# Some of our Recruiters

**DELIVERY**



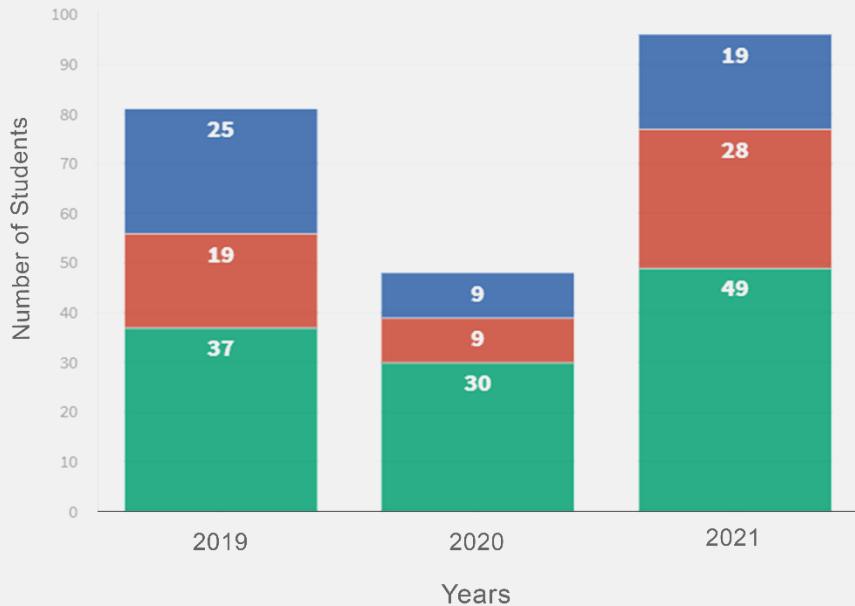
COMMVAULT®



**Deloitte.**



- Computer Science and Engineering
- Electrical Engineering
- Mechanical Engineering



# Internships

## An Actual Industry Experience

IIT Bhilai collaborates with leading organizations and institutes for internship and training programs of students. Summer Internship is not a mandatory part of the curriculum of the UG students at IIT Bhilai, but it is an excellent opportunity for students to gain exposure with industry and academia before making a final career decision. This year the training and placement office liaised with various industrial establishments, corporate houses, institutions, etc. to provide practical exposure to the students. There were 41 participating organizations for the Internship hiring for 2021.

In summer of 2021, more than 100 internship offers were received by our students from several reputed organizations. Major internship recruiters were Intuit, Codenation, Arista Networks, VMWare, MAQ Software, NewZera Tech Labs Pvt Ltd, Needl.AI, Agverse Technologies etc. PSUs like NIC and CDAC also participated in internship hiring for 2021.

Students can pursue internships during :

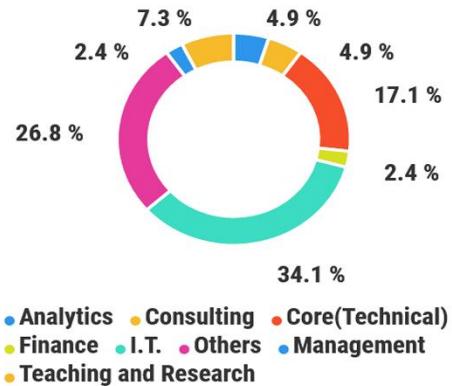
- Summer (May-July, around 12 weeks)
- Winter (December, around 4 weeks)

# Internship Recruiters (2021)

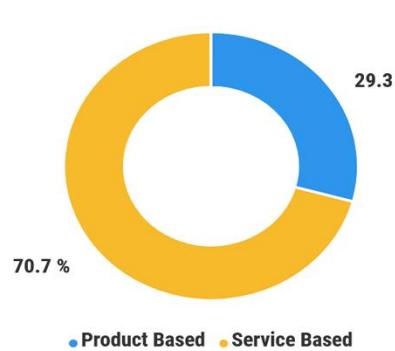
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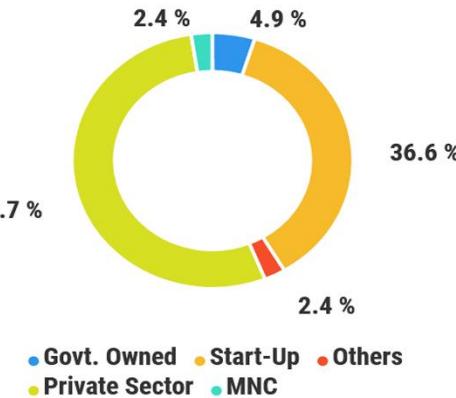
## Internship Recruiter's Statistics (2021)



Company Sector



Company Classification



Company Type

# Why choose us?

01

## Rigorous Selection

The undergraduates at IIT Bhilai are scrutinized through IIT-JEE. The selection to various programmes at IIT Bhilai is extremely stringent to ensure that only the best of the students throughout the country secure admission which is considered one of the toughest examination across the globe. Only top 2% of the students make it to the IIT's.

02

## World Class Curriculum and Faculty

Best-in-class faculty not only by their academic expertise, but also for their global experience and insight. The institute provides comprehensive yet flexible learning environment, with stress project based and hands-on teaching along with liberal arts and creative arts to impart a more holistic education.

03

## Holistic Development

We encourage the students to look beyond the classroom and indulge in developing their full potential in every field of interest. Soft skills development is made part of the class-room experience through presentation and open ended learning components. Students actively participate and manage technical clubs dedicated to electronics, coding, robotics, and space exploration. Students proactively manage various other clubs which hone their skills in dance, music, theatre, oratory, creative writing, art, and photography.

04

## Research and Collaboration

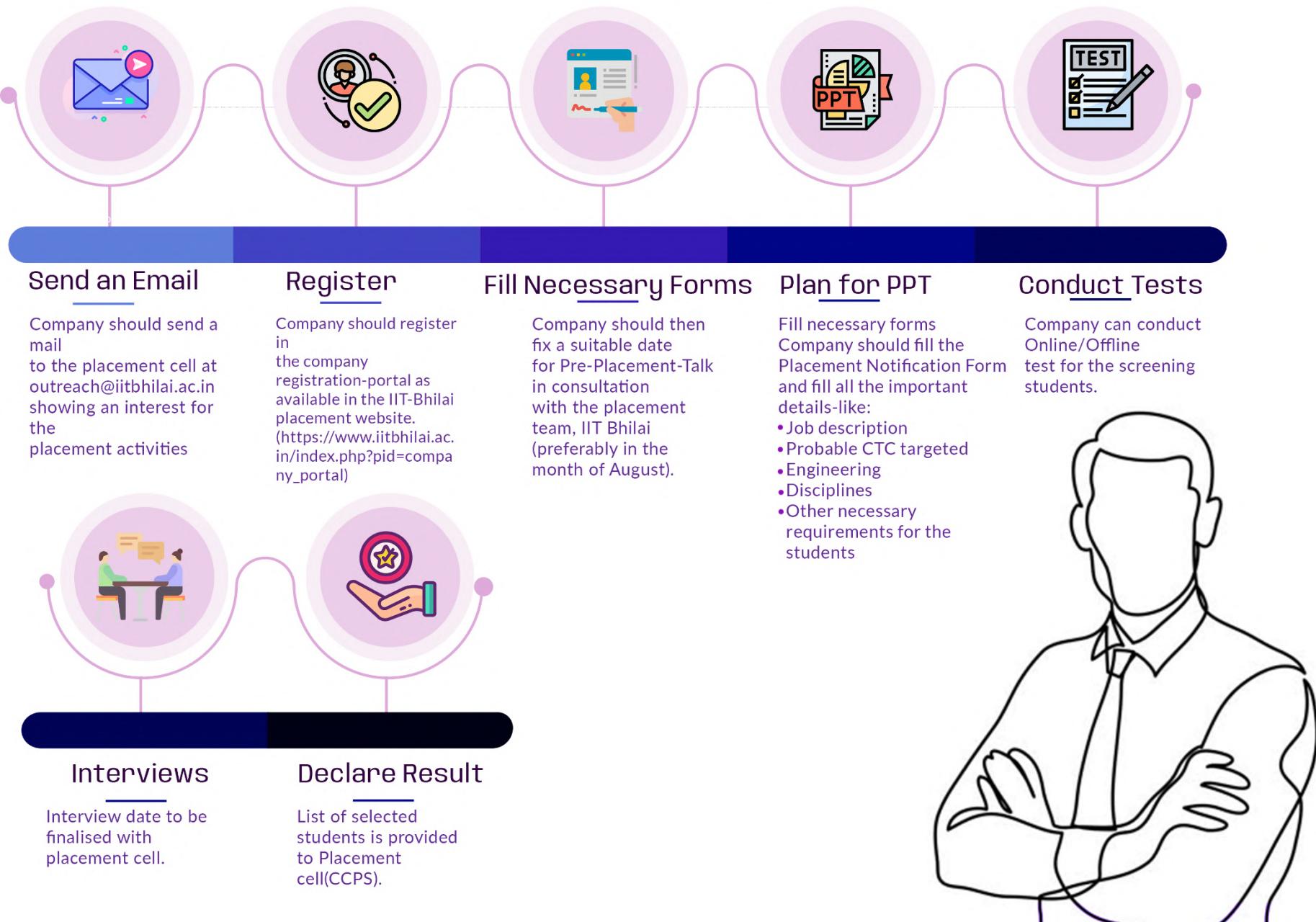
The institute collaborates with research and industry, even at this early stage, IIT Bhilai has several research projects ongoing including IMPRINT Grant, Nano Mission, DST Inspire, and Industry. Students are also working on projects with faculty members of the institute like developing in-house smart-card solutions and automatic vending machines. Numerous MoUs have been signed with industries and academia which provides a collaborative research environment and bridges the gap between industry and academia.

05

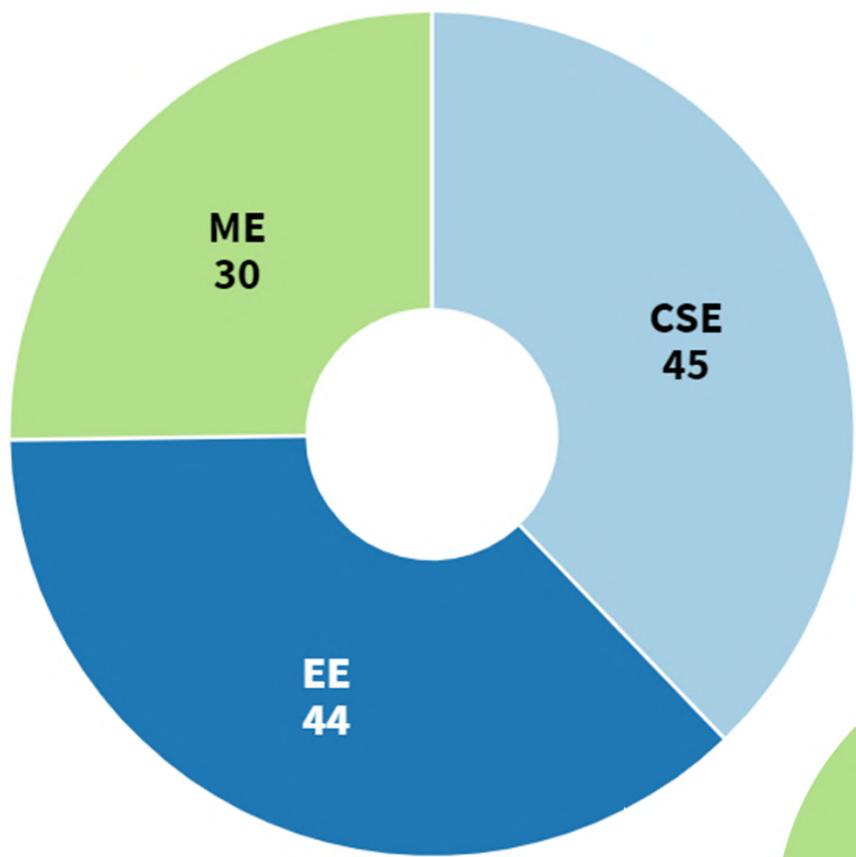
## Co-Circular Activities

Being the pioneer batch of the institute, the students have been instrumental in shaping the institute by forming co-curricular societies and student bodies and organizing institute-level events. Students of IIT Bhilai have been performing well on national level championships like Inter IIT Tech Meet, Sports Meet, Cultural Meet etc.

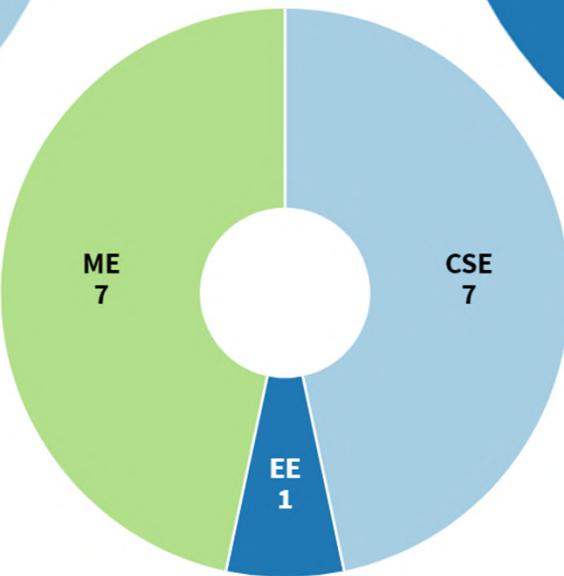
## PLACEMENT PROCESS



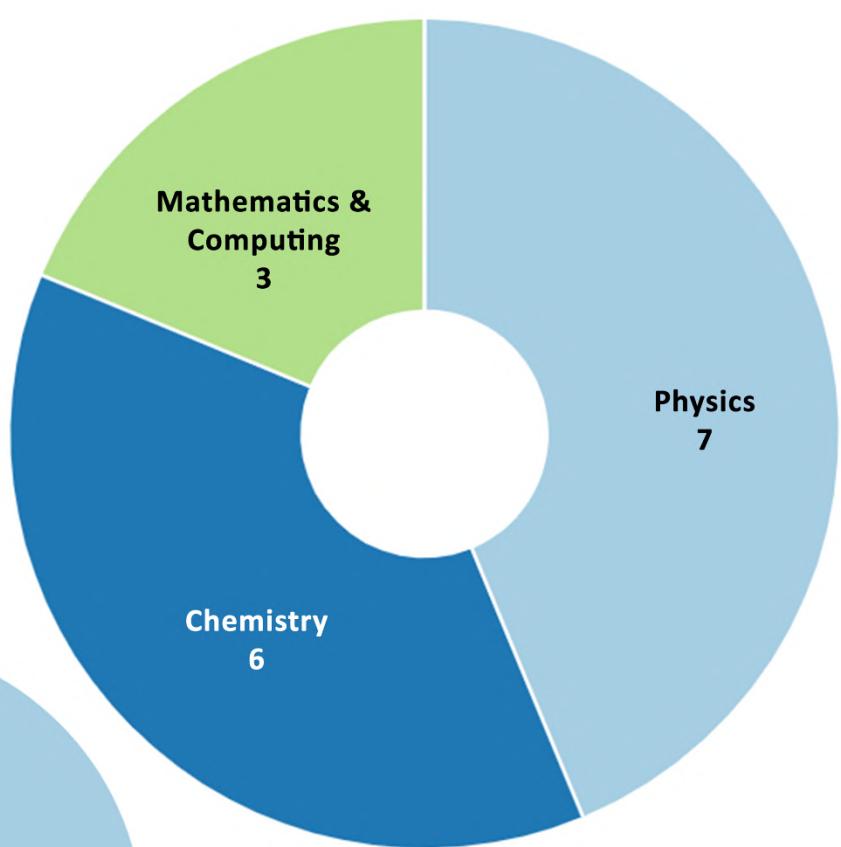
# STUDENT DEMOGRAPHICS



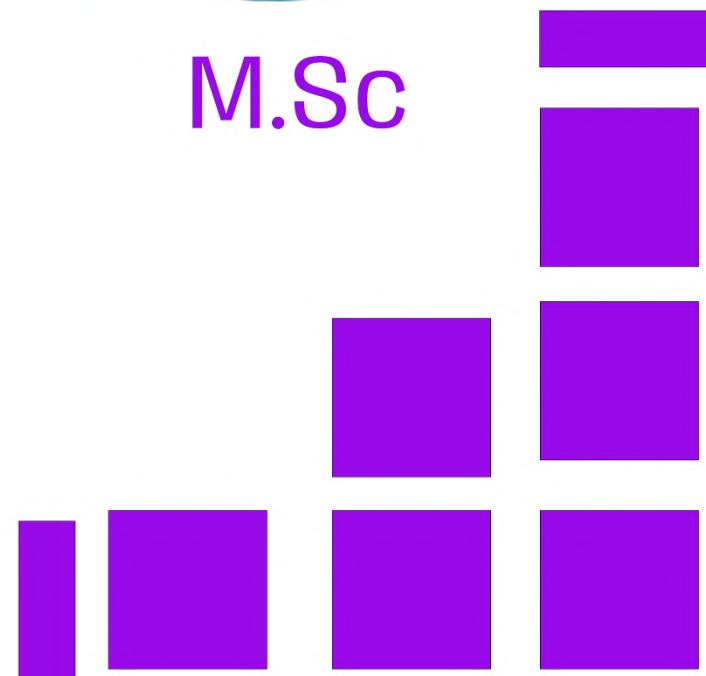
B.Tech



M.Tech



M.Sc



# Points of Contact



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# How to Reach IIT Bhilai



## Address

**Indian Institute of Technology Bhilai  
Government Engineering College (GEC) Campus  
Old Dhamtari Road, Sejbarah, Raipur— 492 015 (C.G.).**

## From Airport

Swami Vivekananda Airport of Raipur is situated in Naya Raipur, Chhattisgarh, and is about 15 Km from the transit campus. The transit campus of IIT Bhilai can be reached by any authorized or prepaid taxi available at the airport and it takes about 30 minutes of the journey.

## From Railway Station

Raipur Junction railway station is about 13 km from the transit campus. Various transport possibilities like auto-rickshaw and OLA cab can be used to reach the campus directly. The charges may be approximately between Rs. 200 to Rs. 300.

City buses can also be used for transport till Santoshi Nagar bridge which is the nearest bus stop for the city buses. From there, local transport facilities (like auto-rickshaw) can be used to reach IIT Bhilai.

## By Roads

Pagaria complex bus stand, Pandri bus stand, Ghadi Chowk, Jaistambh Chowk, Telibandha are prominent points in Raipur city which are about 12-16 km from the campus. From each of these places, auto-rickshaws and OLA cabs can be used to reach the campus directly. The charges may be approximately between Rs. 200 to Rs. 300.



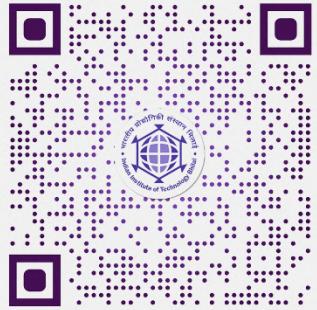
SCAN THE CODE TO  
DIRECTLY JUMP TO THE  
AIRPORT ROUTE



SCAN THE CODE TO  
DIRECTLY JUMP TO  
THE RAILWAY ROUTE



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Scan To Register



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IIT BHILAI



Campus Placement Brochure 2021-22