Indian Institute of Technology Ropar

PLACEMENT AND INTERNSHIP BROCHURE

2021 - 2022

CDCRC Career Development & Corporate Relations Centre

placement@iitrpr.ac.in

Contents

Motto

धियो यो नः प्रचोदयात्
(Deploy our Intellect on the Right Path)

Mission

To foster a transformative learning environment and a culture of excellence enabling creation of knowledge and development of socially responsible, enterprising leaders contributing significantly to national progress and humanity.

Vision

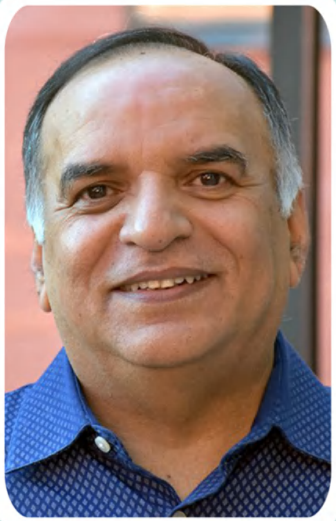
To be a trendsetter among the technology universities born in this millennium.

About IIT Ropar

Indian Institute of Technology, Ropar is one of the eight new IITs set up by the Ministry of Human Resource Development (MHRD), Government of India, to expand the reach and enhance the quality of technical education in the country. This institute is committed to providing state-of-the-art technical education in a variety of fields and also for facilitating the transmission of knowledge in keeping with the latest developments in pedagogy. These two areas of focus will enable students to gain exposure to recent trends in their chosen domains of study and gain practical experience through a wide variety of activities the institute facilitates in its own campus and arranges for in collaboration with industry and other institutes.
At present, the institute offers A Bachelor of Technology (B. Tech.) programme in the following disciplines:Chemical Engineering, Civil Engineering, Computer Science and Engineering,Electrical Engineering, Mathematics and Computing Engineering , Mechanical Engineering and Metallurgy. This programme is spread over a period of eight semesters. Institute also offers an M.Tech programme in the following disciplines: DBME, Computer Science and Engineering, Electrical Engineering, Chemical Engineering , Civil Engineering and Mechanical Engineering.

Institute also offers M.Sc programme in the following disciplines: Physics, Chemistry and Maths.Institute also offers M.S programme in the following disciplines, Computer Science and Engineering and Electrical Engineering. In addition, the institute now offers a doctoral programme in the following disciplines, Chemical Engineering, Civil Engineering, Computer Science, Electrical Engineering, Mechanical Engineering and Metallurgical and Materials Engineering, Chemistry, Physics,Mathematics, Humanities and Social Sciences and Biomedical Engineering

From the Director's Desk



The Indian Institute of Technology Ropar is one of the eight new IITs set up by the Government of India in the year 2008 with a view to expanding the access to high-quality technical education for young bright minds of India. Our first batch of students graduated with a B.Tech degree in July 2012. IIT Ropar has established the required infrastructure, including our permanent campus spread over 500 acres on the bank of the river Sutlej. Our highly qualified faculty members with vast international exposure and state-of-the-art laboratories for the hands-on experience ensure that our students receive the best technical education.

At IIT Ropar, students are exposed to the most modern and up-to-date curriculum in accordance with the Washington Accord, contemporary developments in various disciplines of engineering/science, and internship experience in both national international companies/institutes of repute. I n addition, we have a well-established Career Development Corporate Relations Centre (CDCRC) to take care of the professional development of the students by providing them in-house training in business communications, soft-skills, guiding them towards best internships and jobs that are available and act as a communication channel between Industry & IIT Ropar to have result-oriented Industry-Academia collaboration. Undoubtedly, the hard work done in the recent past has started reaping awards. For 2020, under the National Institute Ranking Framework by the Ministry of Human Resource Development, IIT Ropar stood 25th in the engineering category and 25th in QS World India Ranking. With this background, I whole-heartedly invite your organization to IIT Ropar Campus for recruitment of our B.Tech, M.Tech, MS(Research), M.Sc., and Ph.D. graduates.
I am sure you will be able to recognize the availability of choice of bright & talented students with requisite skills that can solve your challenging engineering/ scientific problems and add value to your organization."

: Prof. Rajeev Ahuja
Director, IIT Ropar

About CDCRC

Career Development and Corporate Relations Centre (CDCRC) IIT Ropar aims at bringing about an all-round development of a student. From equipping students with all the necessary skills required for getting a job to actually getting the job, CDCRC does it all. It links Industries to students and provides world-class facilities to students, supporting them in every possible way in their learning and development processes.

CDCRC has three wings:
Professional Development
Placement Cell
Corporate Relations

CDCRC IIT Ropar intends to build long term relations with companies/industries and engages in various kinds of activities with them. Some of the activities organised by CDCRC include Industry Lecture Series, 7 Technology Day, Synergy Meet, Annual Technical Festival, Panel Discussions, Innovation and Design Thinking workshops, and other types of professional and Corporate Development activities, apart from conducting the regular placements and internships hiring processes.

Message From Head, T&P Cell

It gives me great pleasure to invite you to visit Indian Institute of Technology Ropar campus for the 2021-22 placement and internship sessions. The IIT brand name is world-renowned and needs no introduction. In accordance with the high expectations from IITians, our students and graduates have earned numerous accolades from the organizations that they have worked with as interns or as employees, and I am certain that your recruitment team will have a very productive and a satisfying visit to our institute. The curriculum at IIT Ropar is designed to not only provide students with extremely strong technical knowledge but to also hone their personal development so that they become well rounded individuals who are an asset to any organization that they are a part of. Our students receive opportunities to learn not just through well designed classroom and laboratory activities but also through active participation in research and industrial collaboration projects, student societies and competitions, social service activities, and through exposure to entrepreneurship from an early stage. Apart from our exceptional students, our other great strength lies in our faculty, who have performed years of cutting edge research in highly reputed organizations around the world. With active mentoring from faculty members, our students are exposed to the latest technological developments in their field, enabling them to achieve their full potential.Once again, I cordially invite you to our campus for placements and I look forward to continuing a fruitful relationship between your organization and IIT Ropar.

Dr. Dhiraj K Mahajan
Head, T&P Cell
IIT Ropar

Departments

- Chemical Engineering
- Civil Engineering
- Computer Science and Engineering
- Electrical Engineering
- Mechanical Engineering
- Metallurgical and Materials Engineering
- Physics
- Department for Biomedical Engineering (DBME)
- Chemistry
- Humanities
- Mathematics

Chemical Engineering

Demographics

B.Tech(Placement)	21
M.Tech(Placement)	16
B.Tech(Internship)	20

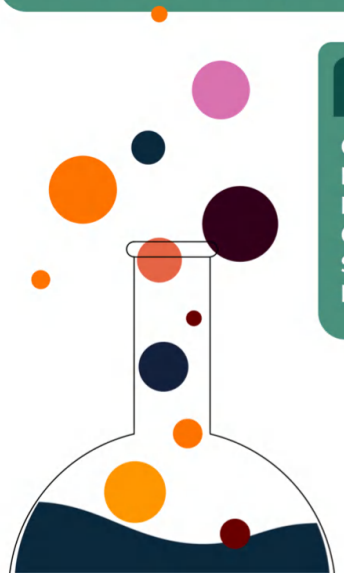
The Department of Chemical Engineering was established at IIT Ropar, with the introduction of B.Tech. and Ph.D. programs commencing in 2017, and the M.Tech. program in 2019. The students and research scholars are trained for industry as well as research, through a rigorous teaching philosophy. The students have undergone their internships in core chemical industries, management consulting, computational sciences, and had research experiences at renowned foreign and national research groups. The diversity of Chemical Engineering curriculum and training by globally recognized faculty, has also provided a solid foundation in preparing them for cross-functional roles in finance and economics, analytics, product management and coding roles.

Domains

Catalysis and Reaction Engineering
Energy and Environment
Multiscale Modeling
Soft Matter Engineering
Transport Phenomena & Thermodynamics
Computational Fluid Dynamics

Achievements

In addition to peer-reviewed high impact research publications, faculty members are involved with consultancy projects with World Bank, The Government of India, Government of Punjab and industry.



Facilities

Chemical Reaction Engineering Lab
Process Design and Engineering Simulation Lab
Heat and Mass Transfer Lab
Catalysis and Sustainable Energy Research Lab
Soft Matter Engineering
Multiscale Modeling Lab

Civil Engineering

Demographics

B.Tech(Placement)	32
M.Tech(Placement)	16
B.Tech(Internship)	32

The Civil Engineering department came into existence in 2016 with a modest number of 25 BTech students and one PhD student. The department has evolved significantly since then on all fronts. Recently two faculty members were selected from USA and France by the visiting overseas delegation of IIT Ropar.

The M.Tech program has also been set up to offer specializations aligned with modern research and consultancy practices in the Water Resources and the Environment sector in India.

Domains

Structural Engineering
Geotechnical Engineering
Water Resources Engineering
Environmental Engineering

Achievements

Research project funded by the prestigious and highly competitive Newton-Bhabha grant with a budget of more than 1 crore.

Facilities

Soil Water Plant Lab
Geomatic Lab

Computer Science and Engineering

Demographics

B.Tech(Placement)	73
M.Tech CSE(Placement)	18
B.Tech(Internship)	82
M.Tech AI(Placement)	16

The Department of Computer Science has close to 20 full-time faculty members. Faculty expertise encompasses areas of traditional computer science including robotics, networking, multimedia processing,cloud computing and machine learning.

The department offers a variety of Masters and Doctoral programs including the recently initiated M.Tech in AI program. Students have also been running active communities like the Coding Club, Software Community and AI Community.

Domains

Artificial Intelligence, Hardware Theory, OS, Cloud Computing, Computer Vision, Social Computing, Cyber Security & Cryptography

Achievements

Our faculty have been awarded research grants from DST-SERB, NPTEL and DST(CSRI). They have also been awarded and recognised at various conferences globally.

Facilities

High Performance Computing Facility, Image Processing, Security, Multimedia, Analytics, Statistical Artificial Intelligence and Machine Learning Labs

Electrical Engineering

Demographics

B.Tech(Placement)	71
M.Tech(Placement)	48
B.Tech(Internship)	74

The Department of EE at IIT Ropar is one of the pioneering departments which offers a strong environment for undergraduate, postgraduate education and research in the area of electrical engineering and related fields. The undergraduate programme provides students with a strong background in the four broad areas of Electrical Engineering, namely Communication Technology, Control Technology, Electronics and Power & Energy. Strong exposure to state-of-the-art technologies is further provided through elective courses that are carefully designed for interested students. The department also has several exclusive and unique facilities such as the CVPR(Computer Vision and Pattern Recognition) lab which has been one of the most active research labs of the institute in recent years.

Domains

Power and Energy
Communication and Signal Processing
Electronics & VLSI

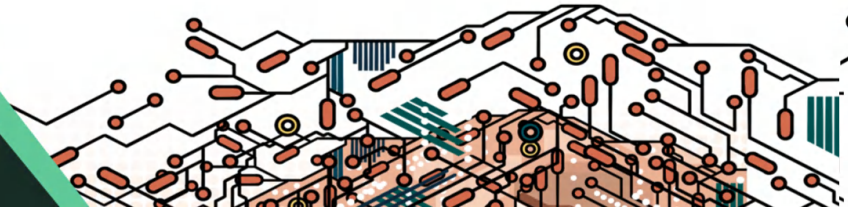
Achievements

Reserach papers in highly reputed journals and conferences. Our faculty were also awarded research grants from various national agencies which include DST, SERB and various industries
including BEL, BHEL etc.

Communication and Signal Processing

Research Facilities

AMR Lab, Communication Engineering Lab, Computer Vision and Pattern Recognition Lab, Facilities: Anechoic Chamber, Scara Robot, Chip Bonding Machine, MITS, BenchTop VNA (100MHz to 43.5 GHz) , Handheld VNA (10kHzto 44 GHz).



Power Engineering

Research Facilities

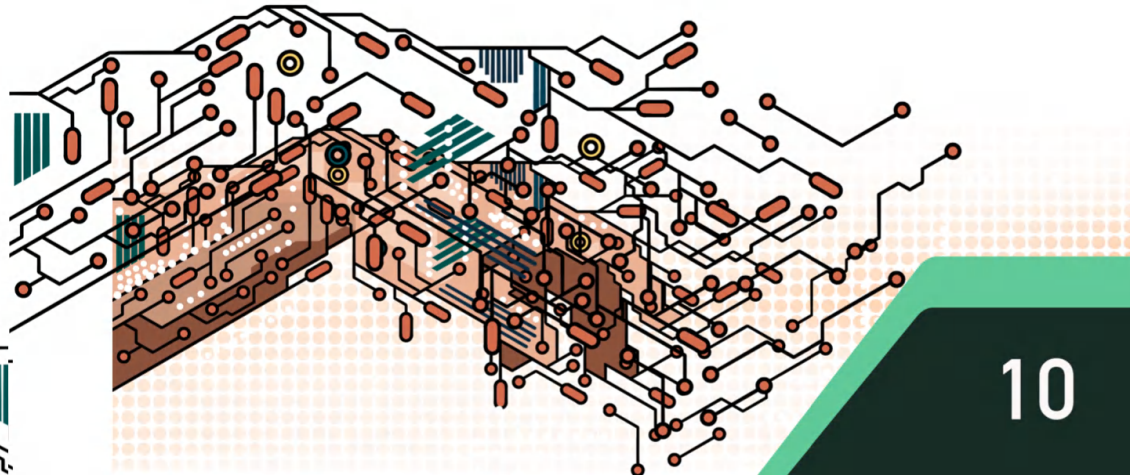
A test bed to test the functionalities (both Power systems and Power electronics aspects) of the renewable integrated Micro grid, a sophisticated test bed to test the various drives for electrical vehicle applications, a grid connected solar inverter developed in the lab from scratch to deliver power upto 20kW, a dual active bridge setup to mimic high frequency transformer, High voltage, well equipped high voltage lab includes 10kV Nanosecond HV Pulse Generator, Space Charge & Leakage Current Setup, Polymer and Nanocomposite Preparation, Hydraulic Press, Extruder, Dielectric Spectroscopy, Thermal Imaging Camera.

Electronics and VLSI

Research Facilities

Design Simulation Lab (Uses software Sentaurus Device CAD), Circuit Simulation Lab (Use Spice for simulation), Low Power Design Lab (Uses Xilinx Vivado suite and Xilinx Vertex-5 FPGA boards and ZED boards).

Hardware instruments : Cascade DC probe station.



Mechanical Engineering

Demographics

B.Tech(Placement)	70
M.Tech(Placement)	43
B.Tech(Internship)	63
B.Tech + M.Tech(Placement)	9
B.Tech + M.Tech(Internship)	14

The department has a dynamic curriculum which integrates the teaching of engineering science fundamentals along with modern industrial practices. It helps our faculty, alumni and students bring out their talent, passion and interests in the exploration of manufacturing and maintenance art, in designing next-generation equipment, engines, fuels, robotic mechanisms, bio-inspired engineering and much more. Regular interaction with industry through collaborative projects, course requirements and general discussions on advancements in technological aspects develop an environment closer to the practical essence of engineering.

Facilities

- Numerical Methods Simulation Lab
- Material Structures and Equipment Lab
- Mechanics of Materials Lab
- Surface Engineering Lab
- Thermofluidics Research Lab
- Cold Spray Facility
- Micro Machining and Monitoring Lab
- 3D Printing Facility
- Engine Testing Facility
- Robotics Lab
- Fatigue Testing
- Design Research Lab
- Mechanics of Advanced Materials Lab
- Robotics Lab

Domains

- Thermal Engineering
- Design Engineering
- Manufacturing Engineering

Metallurgy and Materials Engineering

Demographics

B.Tech(Placement)	12
B.Tech(Internship)	20

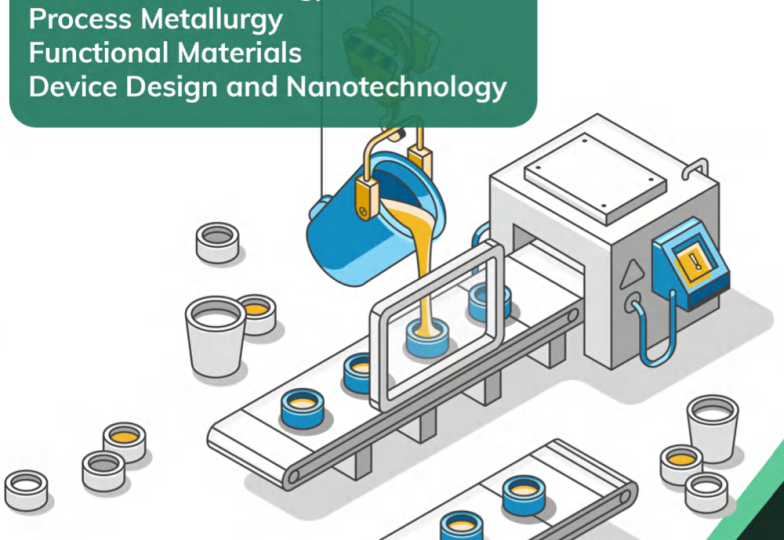
The Department of Metallurgical and Materials Engineering at IIT Ropar started in November 2017 by upgrading the Center for Materials and Energy Engineering. The newly established department started offering a four-year B.Tech. program and PhD program from the academic year 2018-19. The faculty team at the department is highly qualified with vast and diverse experience in the field of Metallurgical and Materials Science.

Facilities

- Metallography Lab
- Heat Treatment Lab
- Energy and Environmental Lab
- Nanostructured and Optical Materials Lab
- IDEAs Lab (Interface Dynamics and Energetics of Alloys)
- Steel Research Lab

Domains

- Physical Metallurgy
- Mechanical Metallurgy
- Process Metallurgy
- Functional Materials
- Device Design and Nanotechnology



Physics

Demographics

M.Sc(Placement)	26

The Department of Physics at IIT Ropar aims to deliver high-level teaching methodologies and top-notch research in advanced areas of experimental & theoretical physics. Presently, the department supports the undergraduate Program with a wide variety of courses. It offers a dedicated program of the institute and Post graduate programs i.e M.Sc(Research) and PhD programs in physics. Our curiosity-driven research programs train young scientists to acquire knowledge and mold them as global leaders in science & technology. Doctoral candidates and postdoctoral fellows are mentored in areas of physical sciences.

Facilities

Material Deposition Lab
Graphene Lab
Nanoscience Lab
Nano-optics Lab
Common Material Synthesis Lab
NuStar Research Facility

Research

Condensed Matter Physics
Material Science
Nuclear Physics
Light Matter Interactions
Gravity and Strings
Quantum Information

Achievements

Dr Mukesh Kumar of the Department of Physics was awarded the prestigious Fulbright-Nehru Academic and Professional Excellence Fellowship in 2020-2021 by the USIEF.

Department received grant from DST-SERB, CSIR, INSA, DST-RFBR, DST-ICPS, BRNS, DRDO, MHRD, DST-FIST(90 Lakhs).

Dr. Pushpendra P. Singh is the Principal Investigator / Project Director of TIH - AWaDH established by DST at IIT Ropar with an initial grant of 110.

Dr. Rajesh V. Nair received Swarna Jayanti Fellowship in Physical Science.

Journals

37 Journals were published.

Department of Biomedical Engineering

Demographics

M.Tech(Placement)	14

The main goal of the DBME is to meet the challenges of affordable healthcare faced by the nation by encouraging research and entrepreneurship in interdisciplinary areas, medical sciences and natural sciences. Due to the diverse research backgrounds of our faculty, there is a strong thrust on interdisciplinary research at the center. Going forward, the center seeks collaboration with national and international universities/institutes and partnership with industries to realize its goals. As far as academic programs are concerned, the department offers B.Tech (minor), M.Tech, and PhD in Biomedical Engineering.

Domains

Medical Devices
Medical Imaging and
Bio-Photonics Xr
Cancer Biology
Immunology
Biomechanics
Biomaterials and Regenerative Medicine

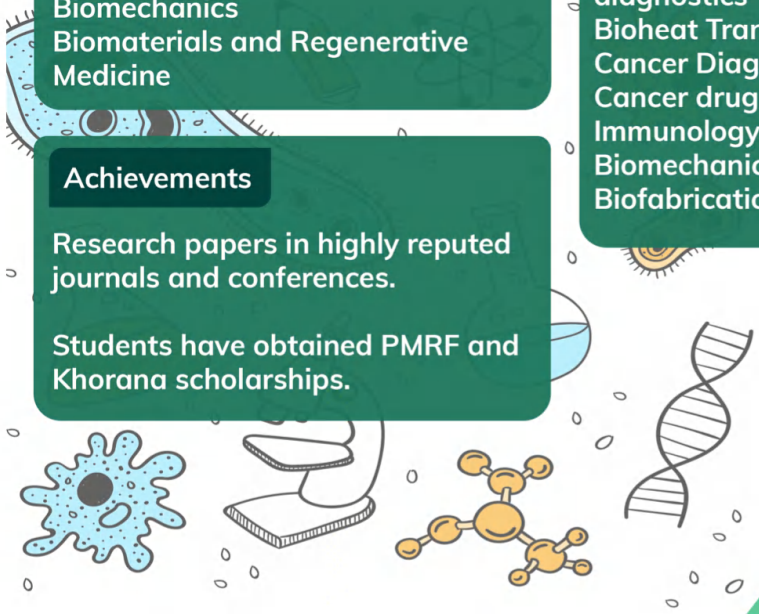
Achievements

Research papers in highly reputed journals and conferences.

Students have obtained PMRF and Khorana scholarships.

Facilities

Medical devices and Instrumentation
Bone Implants Biomechanical instrumentation
Non-coding RNAs-based diagnostics
Bioheat Transfer
Cancer Diagnosis and Therapy
Cancer drug delivery
Immunology of Infectious Diseases
Biomechanics
Biofabrication and Bioprocessing



Chemistry

Demographics

M.Sc(Placement)	23

The department is actively engaged in cutting-edge research in emerging areas like Biomaterials, Biosensors, Catalysis, Drug Delivery, Materials, Organometallic Chemistry, Renewable Energy, Supramolecular Syntheses, Synthetic Organic Chemistry, and Theoretical Chemistry. The research activities of the department are supported by a large number of sponsored research projects and state-of-the-art research facilities that exist at the department and institute levels. The department is served by nine faculty, an INSPIRE fellow, and more than thirty PhD students and project fellows. The department is visited by a large number of experts and short-term students from India and abroad.

Domains

Organic Chemistry, Drug delivery
Inorganic and Material Chemistry
Polymer, Sensor
Physical and Theoretical Chemistry
Energy harvesting
Battery
Supercapacitor

Humanities

The Department of Humanities is multidisciplinary in nature and hosts several subject disciplines such as Economics, Literature, Linguistics, Management, Psychology, Philosophy, Ps Sociology and Cognitive Science. It provides engineer students with proper training to improve English communication skills, the power to express via Linguistics and English, the ability to appreciate Management, the importance of Psychology and Cognitive Science, and finally, to deliberate Philosophically. Across disciplines, the department offers. wide variety of core and elective courses for undergraduate students in addition to Ph.D. courses for our graduate students. Notably, our alumni have been placed as faculty members at prestigious educational institutes such as the Central Institute of Indian Languages, IIM-R and DTU.

Research

Decision Making, Philosophy of Mind and Cognition, American Literature, Literary and Critical Theory, Visual Culture, Literary Historiography Studies, Postmodern Literature, Continental Aesthetics, Fantasy/Horror Literature, Genre Film, Gender studies, Postcolonial studies, Road Narratives, Psycho/Neurolinguistics, Language and Cognition, Phonetics, Optimality Theory, Speech Processing, Natural Language Processing, Metaphysics of the Self, Ethics and Value Theory

Facilities

Language & Cognition Lab
Access to literature & publications from around the world.

Mathematics

Demographics

M.Sc (Placement)	22
B.Tech (Internship)	22

The department of Mathematics supports the undergraduate program with a wide variety of courses. It offers a dedicated undergraduate program BTech of Mathematics and Computing that prepares graduates well for advanced degrees and careers in research and development in financial institutions and software industries. The curriculum consists of 40% Mathematics, 30% core CS and 30% AI-related courses which are designed to provide a perfect platform for those who seek strong mathematical and analytical components with a specialization in AI. As far as academic programs are concerned, the department offers Btech and Btech+Concentration in Artificial Intelligence/Mathematical Modeling/ Theoretical Computer Science/ Advanced Mathematics.
It also offers postgraduate programs MSc and PhD.

The primary emphasis of the department is on interactive and participative methods of learning. Research talks from academia and industry are also organised to expose students to current research environments and practices.

Facilities

High Performance Computing
GPU Commuting
Mathematical Softwares Based Lab
Fluid Dynamics Lab
Mathematical Biology Lab.

Domains

Applied Statistics,
Artificial Intelligence,
Cryptography
Data Science
Financial Mathematics,
Mathematical Modelling
Pure Mathematics
Time-Series Analysis
Theoretical Computer Science

Achievements

Passed out PhD students are working as Post Docs in reputed foreign universities like University of California, Berkeley (USA), Universite Libre De Bruxelles (Belgium) and NORDITA University of Stockholm (Sweden).

OnGoing MOUs

Academic Programs

Undergraduate Programs

IIT Ropar offers a variety of academic programmes for students with a wide range of backgrounds. Admission to many of these programmes are based on the students' performance in national level tests / entrance examination followed by interviews at IIT Ropar in some cases.

Due to our uniquely designed curriculum, IIT Ropar offers a plethora of UG programs including the option to have B.Tech with 6 month internship which is remarkable, as this is the first IIT to provide this option. The various other programs are listed below.

Bachelor of Technology

Admitted through Joint Entrance Examination (JEE) **Duration: 4 Years**

- Minor:
  Credits: Extra 15 Credit minor course work Students can opt to do a minor in any discipline other than their major discipline.
- Concentration:
  Credits: Extra 15 Credit concentration course work
  Students can choose a concentration area, which will be within the major discipline.
- Honors:
  Credits: Extra 15 Credit Coursework + 10 Credit Honors Project
  An honors student can opt for minor/concentration courses as part of the 15 credit coursework requirement of honors.
- Additional 6-month Internship:
  Credits: Extra 15 Credit internship
  The coursework required for “Basic B.Tech." may be completed in seven semesters. Additional Internship may be opted during the seventh or eighth semester.

PostGraduate Programs

IIT Ropar offers Master of Technology, Master of Science & Ph.D across streams paying emphasis of high-quality research evident by Top Position in QS India University Ranking-2020. IIT Ropar motivates Joint Master Thesis opportunities for PG students which allows to work on Master’s Project jointly with Industries and R&D establishments. Joint Master Thesis provides early exposure to prevailing practical challenges which adds to skillset as well as sets students to purse practical problems with better holistic and efficient approach. Degrees in PG programs are awarded on successful completion of Course Credits & approved completion of Project by Project Assessment Committee consisting of Supervisor(s), Head of Department and an internal examiner.

Masters of Technology (M.Tech)

Admitted through GATE
Duration: 2 Years
Streams: Mathematics, Physics, Chemistry & Engineering fields

Masters of Science (M. Sc)

Admitted Through JAM
Streams: Mathematics, Physics, Chemistry

Doctor of Philosophy (Ph.D)

The institute, apart from establishing a robust teaching environment, is keen to facilitate and support cutting edge research in a variety of areas. This aspect will enable the students to acquaint themselves with the latest developments in their respective areas of study and to pursue their own research interests. The institute offers PhD programme in a wide range of areas in Science, Engineering & Humanities and Social Sciences. The broad objective of the PhD programme is not only to keep pace with the expanding frontiers of knowledge but also to provide research training relevant to the present social and economic objectives of the country

Streams: Mathematics, Physics, Chemistry & Engineering fields

Internship Program Timeline
B-Tech

Winter Break(1 Month)

Students can opt for a one month internship. Students are encouraged for such internships.

SEM 1

SEM 2

Summer Break(2 Months)

Students can opt for a two month internship. Students are encouraged for such internships.

Winter Break(1 Month)

Students can opt for a one month internship. Students are encouraged for such internships.

SEM 3

SEM 4

Summer Break(2 Months)

Students can opt for a two month internship. Students are encouraged for such internships.

Winter Break(1 Month)

Students can opt for a one month internship. Students are encouraged for such internships.

SEM 5

SEM 6

Mandatory Summer Internship

Mandatory Summer Internship of minimum 40 working days after 6th Semester for students from all UG Programs.

Additional Internship Program
(7th Sem as internship semester)

Six-month engagement of students with Industry or Research Organisations anywhere in the world for Students opting for Additional Internship.

Winter Break(1 Month)

Students can opt for a one month internship.Students are encouraged for such internships.

Additional Internship Program
(8th Sem as internship semester)

Six-month engagement of students with Industry or Research Organisations anywhere in the world for Students opting for Additional Internship.

SEM 7

SEM 8

Internship Program Timeline
B.Tech - M.Tech Dual Degree

Winter Break(1 Month)

Students can opt for a one month internship. Students are encouraged for such internships.

SEM 1 **SEM 2**

Summer Break(2 Months)

Students can opt for a two month internship. Students are encouraged for such internships.

Winter Break(1 Month)

Students can opt for a one month internship. Students are encouraged for such internships.

SEM 3 **SEM 4**

Summer Break(2 Months)

Students can opt for a two month internship. Students are encouraged for such internships.

Winter Break(1 Month)

Students can opt for a one month internship. Students are encouraged for such internships.

SEM 5 **SEM 6**

Mandatory Summer Internship

Mandatory Summer Internship of minimum 40 working days after 6th Semester for students from all UG Programs.

Additional Internship Program
(7Th Sem as internship semester)

Six-month engagement of students with Industry or Reasearch Organisations anywhere in the world for Students opting for Additional Internship.

Winter Break(1 Month)

Students can opt for a one month internship.Students are encouraged for such internships.

Additional Internship Program
(8Th Sem as internship semester)

Six-month engagement of students with Industry or Reasearch Organisations anywhere in the world for Students opting for Additional Internship.

SEM 7 **SEM 8**

SEM 9 **SEM 10**

Thesis Period

Maximum Time frame of engagement for M-Tech Students with Industry for a Joint Master Thesis.

Internship Program Timeline
M-Tech

Winter Break(1 Month)

Students can opt for a one month internship. Students are encouraged for such internships.

Thesis Period

Maximum Time frame of engagement for M-Tech Students with Industry for a Joint Master Thesis.

Non-STEM

We at IIT Ropar take students' all round development seriously. Compulsory courses like Economics broaden students' perspectives and courses like Industrial Management give a glimpse into the managerial world. Apart from these, there are innumerous Non-STEM electives that are widely chosen across the institute. Some of these courses are:

- Financial Markets and Institutions
- Applied Econometrics
- Operations Management
- International Economics and Finance
- Introduction to Entrepreneurship

RESEARCH AREAS

Management

Online marketing, Transformative Service Research, Consumer Behaviour, Brand Management, Sustainability, International marketing

Economics

Open economy macroeconomics, Financial Markets, Credit Related Issues, Applied Econometrics, Industrial Economics, International Economics and Climate Economics

CLUBS/SOCIETIES

FINCOM (FINANCE & CONSULTING CLUB)

The Finance and Consulting Club of IIT Ropar gives rigorous and extensive training to students in the fields of finance, consulting & product management etc. Students regularly engage in live projects, case study competitions, design thinking competitions. The club manages to create an atmosphere of learning and target based skill development. The club runs it's flagship course on finance and consulting (FnC101) with more than 150 students registered in the course and currently running PM101 and Consult 101 both having more than 120 registrations. It conducts regular quizzes, assignments, seminars and panel discussion by guest lecturers.various interactive sessions with different professionals currently working as a VC, investment banker, consulting,PM

ShARE (EDUCATION AND CONSULTING ORGANISATION)

It is a crossroad of education and consulting, offering a leadership program to cultivate and nurture tomorrow's leaders. The members receive coaching from ex McKinsey and BCG consultants on real business cases to solve the global problems. IIT Ropar is the first new generation IIT to have its chapter.

Mentioned below are some of the major roles that were hired on-campus by our previous recruiters,

- Associate Product Manager
- Associate Consultants
- Business Analysts
- Management Trainee
- Product Analysts
- Quant Researcher / Quant Finance
- Data Scientists
- Market Analysts/traders

Entrepreneurship

TBIF

To strengthen entrepreneurship & start-up ecosystem in IIT Ropar, the institute has been running a technology business incubator at its campus, which is an independent Section 8 Company, registered as IIT Ropar Technology Business Incubator Foundation (TBIF).
The incubator caters to the incubation and mentoring needs of the future entrepreneurs of IIT Ropar and the Nation.

Total Startups incubated- 14

Notable Startups:-

- Awign Enterprises Private Limited
- Greedy Game Media Pvt. Ltd
- Omnipresent Robot Tech Pvt Ltd
- ScratchNest
- Augniscent
- Yoboshu

E-CELL

E-Cell aims to cultivate the entrepreneurial spirit among the students by inculcating the spirit of resilience, risk taking and dedication, additionally motivating them to use the innovative and ethical business practices to make a global impact.
Over the years we have had notable speakers including Mr Hans Germeraad, Mr Harit Mohan, Mr Ajay Gupta, IPS Ravi Kumar to mention a few.

Event Visited-

1.) TiEcon, ISB Mohali
2.) E- Summit IIT Bombay
3.) Inter IIT Tech Meet
4.) Startup Masterclass, Delhi
5.) Events Conducted-
6.) Intern fair
7.) Business Model competition
8.) Idea Pitching Bootcamp in association with Startup India
9.) Started & Mentoring- Five E-Cells of nearby colleges

ENACTUS

ENACTUS stands for Entrepreneurial Action For Others Creates A Better World For Us All. Commenced in 2012, It is a worldwide non-profit organization comprised of top business leaders and university students intended to make a better and more sustainable world.

Ever since its commencement, ENACTUS IIT Ropar has been working relentlessly to make communities self-sustainable, independent and to empower people by enhancing their skills and making them more aware. The team is working very hard and will continue to do so to achieve ENACTUS' mission of making a better tomorrow and superfine present.

Culture

Students spend their time constructively by engaging in the activities of these clubs. The students thus represent IIT Ropar at various national and international competitions and events, bringing laurels to the institute. They allow students to showcase their creativity without bounds. Over the semester, fortnightly meetings of the clubs are held, apart from the time invested by members in their club projects.

ROBOTICS CLUB
The Robotics Club of IIT Ropar strives to stimulate interest in robotics among the students of the institute. We firmly believe in working in a planned, organised and disciplined manner that helps us in risk free management.

CODING CLUB
The club aims to give a good perspective of development and encourages the students to attend Hackathons. We also encourage participation in competitive programming events like ACM ICPC, CodeChef challenges and by conducting regular challenges within the college. We also organise seminars by experienced people in the area of open source development.

MUN CLUB
The Model United Nations (MUN) Society at IIT Ropar aims to apprise the students of the working of the United Nations (UN) and it's various agencies, and how solving important global issues through cooperation takes centre stage. The students learn vital skills such as debating, structuring arguments, diplomacy, leadership and public speaking, besides getting enriched with knowledge pertaining to world affairs, thereby transforming them into true global citizens.

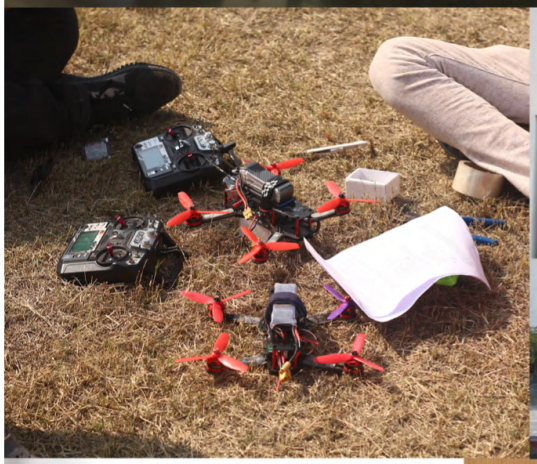
ZENITH CLUB (ASTRONOMY)
We aim to deepen students' understanding and knowledge of science and astronomy. We conduct workshops, lectures to give interested students a basic knowledge of astronomy. We give students the experience of observing planets, galaxies, star clusters and other wonders of the universe in the sky through a telescope.

CIM CLUB
Computer-Integrated Manufacturing (CIM) is the manufacturing approach of using computers to control the entire production process. The CIM aims to impart knowledge regarding designing products, using modern softwares and technologies.

DEBSOC (DEBATING CLUB)
Debating Club, IIT Ropar, named as DebSoc, which comes under Board Of Literary Affairs(BOLA), is an active community which aims to promote the culture of debating in the institute and provides a platform to bring all the debaters together. DebSoc creates a great platform for students, ideal and conducive to learn from each other and develop their knowledge!
Apart from these, we also have Photography club, Design and Animation club, Movie club, Music club, Dance Club, Fine Arts club, Dramatics, and many many more!

PEHCHAAN - EK SAFAR
The highly motivated and enthusiastic students of IIT Ropar are active as a social service group (a registered NGO) under the name PEHCHAAN EK SAFAR (Search for an Identity). We have been working for the education of under privileged children around the permanent campus of IIT Ropar. The workforce at Pehchaan Ek Safar feels the need to be at the forefront of the battle against illiteracy. We feel the need to inculcate a rational mindset and scientific temper amongst citizens.




Fests

ZEITGEIST

Deemed as the largest Cultural Fest in Punjab-Haryana, Zeitgeist is a 4 day extravaganza with a plethora of events in Singing, Dancing, Dramatics, Quizzing, Fashion, Oration, Poetry, Stand-up shows. It has grown over the years to include around 60 events, including Wall Graffiti, rap battles, dance battles and face painting. Different companies have used this fest as a platform to advertise their products. It features fun-filled and entertaining star nights, that have previously featured the best that our entertainment industry has to offer such as Vishal-Shekhar, Ranjit Bawa, Mohit Chauhan, Gajendra Verma, Diljit Dosanjh, Olly Esse and Havas Guruhi.

ADVITIYA

Advitiya has already evolved into a brand within five years of its inception. It encompasses a wide range of scientific and technical activities from fields like Coding, Aeromodelling, Robotics, Finance, Design and Entrepreneurship. This year's edition featured Humaniods, 3-D pen and various workshopssuch as Machine Learning, Cybersecurity, management, Robotics, IoT and Automobile mechanics. Advitiya also conducted Tech-Connect, organising various event in multiple cities around India.

With renowned speakers such as Dr. K Radhakrishnan (former Chairman of ISRO), Dr. R Chidambaram (DAE Homi Bhabha Chair Professor at BARC, Mumbai), Mr. Rakesh Malhotra (Founder, Luminous Industries) and Dr. Shankar Venugopal (Dean, Mahindra Technical Academy), Advitiya is an amazing learning experience for all students.

AAROHAN

Aarohan is the annual sports fest of IIT Ropar. Spanning 3 days, it attracts a wide spectrum of youth from all over North India by providing excellent infrastructure, gruelling competition and the motivation to enable students to achieve the zenith of their respective performances. Sporting activities include Cricket, Badminton, Volleyball, Basketball, Football, Tennis, Table Tennis, etc. Fun activities like Tug of War, Paintball, Poker and Arm Wrestling are organised to lighten the intense mood. Notable personalities to visit Aarohan include Mr. Sandeep Singh (ex-captain of hockey team), and Mr. Surender Nada (Kabaddi player, part of world cup winning team in 2016).

ZEITGEIST

Placement Procedure

Full Time Employee & Intern Hiring Process

1. Invites sent by CDCRC office or Company can connect T&P Cell team. (contact details available on last page)

2. An online Job Announcement Form (JAF) for FTE hiring to be filled by HR manager to share the job profile being offered to students. Online Internship Notification Form (INF) to be filled in case company is interested in hiring intern

3. Based on job profile being offered, interested students register for the FTE or Intern hiring process and data of registered students is shared with the company

4. Date for FTE or Intern hiring process finalized with mutual consent of company and T&P Cell Team

5. On-campus hiring process on the allocated date*
   - •Pre-Placement Talk
   - •Online test
   - •Group Discussion and/or Interview
   - •Result Declaration

CDCRC, IIT Ropar is fully equipped with state-of-the-art audio-visual facilities, computer labs, interview and conference rooms for smooth conduct of the hiring process. The visiting team members from companies can be provided stay in the Institute Guest House (depending on the availability). In addition, pickup/drop facility can also be provided from Chandigarh Airport/Railway Station/ Bus Station which is close to one hour away from IIT Ropar

Previous Recruiters

50 Hertz
Addverb Technologies
Affine Analytics
Airit Media LLP
Airtel
Allter
Altair
Amazon
Agnext
Ankam Private Limited
Arista Networks
Bharat Seats
Book My Show
BYJUS
Capgemini
Career Launcher
Chegg India
CL Educate
Click Labs
Codenation
Cognizant
Commvault
Creealons
Cubastion Consulting
DE Shaw
Deloitte Consulting
Directi
Edupace
Edusquare
Edynamics
Electroneumatics
Expedia
Finisar Corporation
Flipkart
FreeCharge
Fuji FIlms
Future's First
GE health Care
Glennmark
Go Products Engineering
Goldman Sachs
Sapient
HSBCSCA Technologies
Signal Chip
Smartprix
SMS Data Tech
TESCO Technology
Texas Instruments
Morgan Stanley Capital International
Signal Chip
Smartprix
SMS Data Tech
Sprinklr
Thoughspot
Texas Instruments
Morgan Stanley Capital International
SCATech
Trident
Resonance
Huawei Technologies
Indxx Capital
Infosys
Intello Labs
IOL Chemical
ISGEC Engineering
ISRO
Jugnoo
L&T Construction
AM alioleaein
L&T Limited
Mahindra & Mahindra
MAQ Software
Maruti Suzuki
Mathworks
Max Connect
Microsoft
Naggaro
NASDAQ
Nucleus Software
Nutanix
One Assist
Oracle
Orchids International
Oxin Capital
OYO Rooms
Parabole
Paytm
Phone Pe
Quality Control of India
RAAM Group
Indian Navy
Indian Olympiad Assocaition
Indus Valley Partners
Ai Som a VeLeO Ics)
RoundGlass
Saavn
Samsung
Samsung R&D
TATA Consultancy Services
Tata Motors
Truechip
Ui sia
Wipro
Zomato
Hindustan Petroleum Corporation Limited
KRG Strategy Consultants Limited
Hero Cycles
HSBC
Treebo
iRage Capital
Rambol
Red Pine
Reliance Jio

CDCRC Team

CDCRC Heads

Dr Dhiraj K. Mahajan
Head, Training & Placement
Email: hod.placement@iitrpr.ac.in
Phone: +91-78142-52244

Dr Srikant S. Padhee
Head, Corporate Relations
Email: hod.cr@iitrpr.ac.in
Phone: +91-84275-87779

Dr Asad H. Sahir
Head, Professional Development
Email: hod.pd@iitrpr.ac.in
Phone: +91-97722-71581

CDCRC Department Faculty Representatives

Dr Atharva Poundrik
DFR-Centre for Bio-Medical Engg.
Email: atharva@iitrpr.ac.in
Phone: +91-9484463049

Dr Debaprasad Mandal
DFR-Chemistry
Email: dmandal@iitrpr.ac.in
Phone: +91-94170-08480

Dr Asad H. Sahir
DFR-Chemical Engg.
Email: asad.sahir@iitrpr.ac.in
Phone: +91-97722-71581

Dr Viswanath Gunturi
DFR-Computer Sci. & Engg.
Email: gunturi@iitrpr.ac.in
Phone: +91-99106-36011

Dr Pushpendra P Singh
DFR-Physics
Email: pps@iitrpr.ac.in
Phone: +91-82838-34321

Dr K Ramachandra Sekhar
DFR-Electrical Engg.
Email: rsekhar@iitrpr.ac.in
Phone: +91-96322-93344

Dr Reet Kamal Tiwari
DFR-Civil Engg.
Email: reetkamal@iitrpr.ac.in
Phone: +91-94581-59323

Dr Rohit Y. Sharma
DFR-Electrical Engg.
Email: rohit@iitrpr.ac.in
Phone: +91-82880-02273

Dr Ratan Samrah
DFR-Civil Engg.
Email: ratan@iitrpr.ac.in
Phone: +91-98648-96011

Dr Arun Kumar
DFR-Mathematics
Email: arun.kumar@iitrpr.ac.in
Phone: +91-98199-30169

Dr Devranjan Samanta
DFR-Mechanical Engg.
Email: devranjan.samanta@iitrpr.ac.in
Phone: +91-90561-64622

Dr Prince Kumar Singh
DFR-Metallurgical and Materials Engg.
Email: princeks@iitrpr.ac.in
Phone: +91-82995-52983

CDCRC Office

Mr Subodh Sharma
Placement & Corporate Relations Manager
Email: placement@iitrpr.ac.in
Phone: +91-86990-20183

Mr Puneet Sharma
Office Assistant
Email: cdcrc.office@iitrpr.ac.in
Phone: +91-86990-20183

CDCRC Student Team

Harsh Mittal
Head Placement Coordinator
Email: ug.placement@iitrpr.ac.in
Phone: +91-9560821033

Ritik Garg
Internship Coordinator
Email: internship@iitrpr.ac.in
Phone: +91-8859134385

UG

Atul Kumar Tiwari
Assistant Placement Coordinator, SDE
Email: ug.placement@iitrpr.ac.in
Phone: +91-9110989362

Kummara Poojith
Assistant Placement Coordinator, Core
Email: ug.placement@iitrpr.ac.in
Phone: +91-9620141861

Ashwin Goyal
Assistant Placement Coordinator, Non-Core
Email: ug.placement@iitrpr.ac.in
Phone: +91-8872038318

PG

Pragya Sharma
Assistant Placement & Internship Coordinator, M.Sc
Email: pg.placement@iitrpr.ac.in
Phone: +91-8755699551

Srishti Singh
Assistant Placement & Internship Coordinator, M.Tech
Email: pg.placement@iitrpr.ac.in
Phone: +91-8397864571

Designed By
Rhythm and Zeyba
CDCRC Media Team
https://cdcrc.iitrpr.ac.in