

INDIAN INSTITUTE OF TECHNOLOGY ROPAR

Department of Chemical Engineering

ADMISSIONS AY 2026-27

Information Brochure



PhD Admission 2026–27

May, 2026

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1 Introduction

The Department of Chemical Engineering invites PhD applications for PhD positions for the AY 2026-27. Last Day to apply the application is 25th May 2026.

2 About the Department

The Chemical Engineering department at IIT Ropar currently has 14 core faculty, 1 adjunct faculty, 195 students (including 117 Bachelors, 6 Masters and 72 Doctoral), 6 administration/technical staff. We have observed a slow but gradual increase in the strength of doctoral students over the past 7 years leading to a lively and progressive research culture within the department. This is also manifested by the steadily increasing research output of the department. Funding through sponsored research and industry consultancy projects has also increased significantly during the period, averaging to ~INR 27 lakh/faculty/year.

The research activities led by department faculty is broadly classified into four categories:

- Fluids, Granular Materials and Soft-Matter Engineering
- Catalysis and Reaction Engineering
- Thermodynamics and Molecular Simulation
- Process Systems Engineering

Much of the research carried out under the aforementioned themes has strong emphasis on healthcare, pharmaceuticals, energy, materials and environment. The range of these topics has greatly influenced the introduction of many elective courses at the undergraduate and postgraduate levels.

Presently, the department offers degree programs leading to Bachelor of Technology (B.Tech), Master of Technology (M.Tech), and Doctor of Philosophy (Ph.D). The department looks forward to setting up new initiatives in order to strengthen its teaching, research and societal outreach activities. The primary objective would be to advance the department to a state of technological excellence that enables wider recognition in India and in the world.

Learn more about the department by visiting: [Chemical Engineering — IIT ROPAR](#).

3 Research Areas of the Department

3.1 Fluids, Granular Materials and Soft-Matter Engineering

- CFD and microfluidics
- Complex fluids and polymer physics
- Interfacial flows/interfacial engineering
- Active colloids/matter, gels and their assembly
- Granular materials

3.2 Catalysis and Reaction Engineering

- Computational Catalysis
- Heterogeneous Catalysis
- Waste to Fuel Conversion
- Electrocatalysts for fuel cells and green hydrogen production
- Advanced Materials, Metal Organic Frameworks (MOFs), Polymers, Membranes
- Smart Textiles

3.3 Thermodynamics and Molecular Simulation

- Nanotechnology and nanomaterials, MOFs, Bio-minerals
- Molecular Simulations (DFT, MD, MC)
- Multiscale modeling of surfaces and interfaces

3.4 Process Systems Engineering

- Process Data Analytics
- Advanced Process Control and Economic Optimization
- Process Design, Modelling and Simulation
- State and Parameter Estimation
- Fault Detection & Diagnosis
- Techno Economic Analysis and Sustainability

4 PhD Admission AY 2026-27

Applications are being called for candidates seeking admission to the PhD program under PhD Admissions (Academic Year 2026-27).

Last Date of Receipt of Online Applications: , 25th May 2026, 5:30 PM IST.

Tentative PhD Online Interview: 1-10th June 2026.

4.1 Guidelines to Submit the Application

Please visit the link: [APPLICATION-FORM](#)

Submit the application ONLINE. After filling the form, take a print of your application and keep the same for your record. A print copy of the application is not required to be submitted.

4.2 Application Fee

- Women candidates & SC/ST/PwD category candidates: Rs. 100/-
- All other candidates: Rs. 200/-

The fee is to be paid by SB Collect (Online Payment System). Applications without online payment details will not be considered. Fees payment method is as follows:

1. Click on the link [SBICollect](#)
2. Type “I I T R” in the search box
3. Select institute as shown below-(Type IIT Ropar after giving space in each letter of IIT).

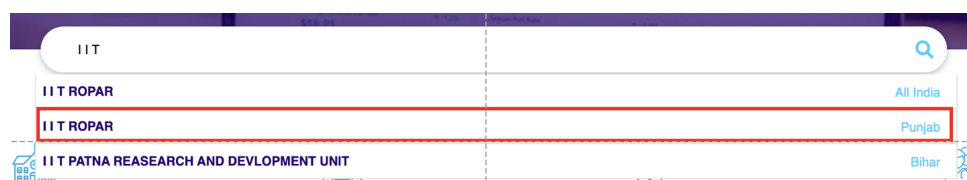


Figure 1: SBI Collect Payment Interface Screenshot

4. Select the option for the payment category
5. Select the option- Application Fees for PhD admission (as per applicable category)

6. Pay the requisite fee.

Application fee is NON-REFUNDABLE.

The OBC (Non-Creamy Layer) certificate and Income & Assets certificate [for EWS category] issued within the past one year at the time of admission, in the prescribed format, must be uploaded in the ONLINE application and submitted at the time of interview/admission.

Please check the Department admission website (link to be updated) regularly for important announcements and the department website for shortlisting updates and results.

The candidates called for an online interview should appear with valid identity proof such as institute's ID card or Aadhar card.

Incomplete applications will be rejected.

Applicants must submit a legible copy of the documents.

4.3 Contact Us

- **Email:** Chemical Engineering Office (office-ch-1@iitrpr.ac.in) and HoD, Chemical Engineering (hodchemengg@iitrpr.ac.in).
- **Phone No.:** Chemical Engineering Office (01881-234021) (9:00 am-5:30 pm).
- **Website:** www.iitrpr.ac.in/chemical/Index/index.php (Department of Chemical Engineering) and www.iitrpr.ac.in (Institute).

5 Categories of Admission

Candidates will be admitted to the Ph.D. program of the Institute through an institute selection process under any one of the following categories:

5.1 Regular Full-Time PhD

5.1.1 Institute Fellowship

Candidates under this category are entitled for Institute Research Assistantship/Fellowship as per Ministry of Education, Govt. of India norms.

5.1.2 Govt./Semi Govt. Fellowship Awardees

Such as PMRF, CSIR-JRF, UGC-JRF, DST-INSPIRE, DBT, NBHM, QIP etc. or any other full time fellowship:

These candidates are financially supported under various Govt./Semi Govt. schemes. The admission procedure and other requirements are same as applicable to research scholars/institute fellowship.

5.1.3 Fellowship through Project (FTP)

The admission procedure and other requirements for research Fellows (JRFs/SRFs) in various projects/schemes in the institute who wish to enroll for the PhD programme are the same as applicable to Institute Research Scholars. They will be paid assistantship/fellowships as per the norms of the project and sanctioned amount. The candidate has to fulfill all the eligibility requirements of the funding agency and the institute criteria.

5.1.4 Self-Financed Indian Nationals, Including Those on Study Leave (SF)

The candidates admitted under this category are not eligible for any financial support from the Institute (IIT Ropar). Candidates with the provisional DST-INSPIRE fellowship award letter may apply under Self-Finance (SF) category. After successful admission, if the candidate subsequently clears the final round of selection of DST-INSPIRE, s/he would be allowed to convert from the Self-Finance (SF) to Fellowship Award (FA) category. Candidates who are released from the Government or educational Institutions on study leave for a period not less than three years for doing research work at IIT Ropar, can seek admission under this category. Employer's Letter for Study Leave should be produced at the time of joining, if selected.

5.1.5 Sponsored Candidate (SW)

The candidates admitted under this category are not eligible for any financial support from the Institute (IIT Ropar) and are sponsored by their employers. They are expected to be relieved for full time course work and research at the Institute for a minimum period of three years. An appropriate sponsorship letter should be submitted at the time of written test and/or interview.

5.2 Part-Time PhD

A candidate in this category is a professionally employed person (including IIT Ropar regular staff) having regular employment in Government Organizations like MEITY, DRDO, MHA, CSIR, Central Universities, the employees of National and International reputed private organizations/industries viz. Reliance, TATA, Birla, Samsung, Nokia, Infosys, GE, similar MNC companies, etc., who would like to pursue the Ph.D. program while continuing the employment at their parent organization. The institute does not provide any financial assistance/fellowship to such a candidate.

Temporary employees, outsourced employees, employees from private universities, state universities, start-ups, small enterprises etc are not eligible.

5.2.1 External Registration Program (ERP)

This category refers to a candidate employed in an R&D organization/academic institution/industry having adequate research facilities. The research work leading to the Ph.D. degree may be carried out largely in the parent organization of the candidate under a Local Supervisor from the organization but with the overall guidance provided by a faculty member (Institute Supervisor) of the department in which the candidate is registered.

A candidate in this category is a professionally employed person (including IIT Ropar regular staff) having regular employment in Government Organizations like MEITY, DRDO, MHA, CSIR, Central Universities, the employees of National and International reputed private organizations/industries viz. Reliance, TATA, Birla, Samsung, Nokia, Infosys, GE, similar MNC companies, etc., who would like to pursue the Ph.D. program while continuing the employment at their parent organization. The institute does not provide any financial assistance/fellowship to such a candidate.

Temporary employees, outsourced employees, employees from private universities, state universities, start-ups, small enterprises etc are not eligible.

5.2.2 Part-Time

A research scholar under the Part time PhD Programme will carry out major part or all of his/her research work at IIT Ropar under the supervision of supervisor(s) at IIT Ropar. The feasibility of doing this with sufficient intensity will be an important consideration in admitting the scholar in this category.

5.2.3 IIT Ropar Regular Staff

Members of non-teaching staff (working in permanent capacity, including technical and non-technical) may be permitted to join the Ph.D. program under this category. All common rules laid down in the Ph.D. Regulations relating to course work, conduct of research work under the supervision of a member of faculty, etc. shall be applicable.

***Regulations pertaining to all kinds of PhD programmes will be common, unless stated otherwise.**

6 Reservation for SC/ST/OBC-NCL/EWS/PwD

Reservations are applicable to SC/ST/OBC-NCL/EWS/Persons with Disability (PwD) candidates as per Govt. of India rules.

7 Minimum Eligibility Requirement for Admission to PhD Program

The following are Institute Minimum Eligibility Requirements and any Department/Center can specify higher short-listing criteria than what is specified here.

7.1 Eligibility for Regular Full Time PhD Programme

For the Minimum Eligibility Qualification (MEQ) for admission to Regular Full-time Ph.D. programmes refer Table 1 below:

7.1.1 Exemptions

Requirement of qualification in GATE/National level Exam is waived off for the following categories of applicants.

For all Engineering, Chemistry and HSS department: Candidates from Centrally Funded Technical Institutes (CFTIs) completed B.Tech./B.E (or any other programme of minimum four year duration, admission to which is on the basis of JEE) or M.Sc or MBA or 2 year PG diploma in management, must obtain a CGPA of 7.5 or above (on a 10 point scale) at the time of graduation, and before they formally register for the PhD programme (75% aggregate marks, if marks is the primary mode of evaluation).

M.B.B.S./BDS degree holder with minimum 1st class from a reputed organization will be eligible for Ph.D admission.

For department of Physics and Mathematics: Candidates from IITs, IISERs, IISc and all DAE institutes completed B.Tech./B.E. (or any other programme of minimum four year duration) or M.Sc, must obtain a CGPA of 7.5 or above (on a 10 point scale) at the time of graduation, and before they formally register for the Ph.D. programme (75% aggregate marks, if marks is the primary mode of evaluation).

7.2 Eligibility for Part-Time PhD

7.2.1 Eligibility Requirement for ERP Candidates

Minimum Eligibility Requirements: In addition to possessing the academic qualifications mentioned in Table 1 under regular full-time Ph.D program, an applicant should fulfill the following additional requirements also:

Table 1: Minimum Eligibility Qualification for admission to Regular Full-time Ph.D programmes

Sr. No.	Qualifying Degree	Minimum Performance in Qualifying Degree for General/OBC (NCL)/EWS Category	Minimum Performance in Qualifying Degree for SC/ST/PwD Category	Qualification Through National Level Examination
1.	M.Tech./M.E./M.D. or equivalent/5 year Integrated Master's degree in engineering/5 year BS-MS Dual degree	60% marks or 6.00 CGPA on a 10-point scale	55% marks or 5.5 CGPA on a 10-point scale	Nil
2.	(M.Sc/M.A/MBA or equivalent master degree) OR (PG diploma in Management and Relevant Bachelor's Degree such that minimum five years of Undergraduate & Postgraduate) OR M.B.B.S	60% marks or 6.00 CGPA on a 10-point scale	55% marks or 5.5 CGPA on a 10-point scale	Qualified GATE/CSIR/UGC-NET/DST-INSPIRE/JEST/NBHM or other national fellowship
3.	B.E./B.Tech./BS or equivalent four years program	60% marks or 6.00 CGPA on a 10-point scale	55% marks or 5.5 CGPA on a 10-point scale	Qualified GATE/CSIR/UGC-NET/DST-INSPIRE/JEST/NBHM or other national fellowship

- **GATE or equivalent qualification:** GATE or Equivalent Qualification is not required for admission.
- **Professional Experience:** Should have completed full time employment of 2 years of service as on the deadline of application.
- **Organization/Institution:** Organization/Institution must have at least 5 years of its existence for sponsoring candidates to the ERP programme. Only persons engaged in R & D work in Technical/Scientific Institutions/Industries or R & D Establishments are eligible. The organization should have adequate facilities for carrying out research.

A candidate in this category is a professionally employed person having regular employment in Government Organizations like MEITY, DRDO, MHA, CSIR, Central Universities, the employees of National and International reputed private organizations/industries viz. Reliance, TATA, Birla, Samsung, Nokia, Infosys, GE, similar MNC companies, etc., who would like to pursue the Ph.D. program while continuing the employment at their parent organization. The institute does not provide any financial assistance/fellowship to such a candidate.

Temporary employees, outsourced employees, employees from private universities, state universities, start-ups, small enterprises etc are not eligible.

Sponsorship/NOC Unconditional sponsorship or NOC by the employer is essential and a must at the time of joining. IIT Ropar will not have any financial liability for the candidate throughout the tenure of PhD. The sponsorship certificate must be provided in the format specified at FORMAT-A.

7.2.2 Eligibility Requirement for Part-Time Candidates

Minimum eligibility requirements: In addition to possessing the academic qualifications mentioned in Table 1 under regular full-time Ph.D program, an applicant should fulfill the following additional requirements also:

Professional Experience: The minimum full-time experience required after obtaining the qualifying degree and as on date of application deadline, is given in Table 2 below.

Table 2: Work Experience Requirements for Part-Time PhD

Sr. No.	Qualifications	Work Experience (Post Qualification)
1.	M.E./M.Tech./M.S.(R)/M.D. or Equivalent	Nil
2.	B.Tech./BE with valid GATE	Nil
3.	B.E./B.Tech./M.Sc./M.A./M.B.A./MBBS or equivalent, from CFTIs/Central Universities	1 Year
4.	B.E./B.Tech./M.Sc./M.A./MBA/MBBS or equivalent, from institutions other than CFTIs/Central Universities	2 Years

Minimum Eligibility Qualification for these candidates is the same as for full-time candidates, except that the requirement of qualifying in a national examination is waived for serial No. 1, 3 and 4 of above table.

No Objection Certificate: Part-time candidates are required to submit a “No Objection Certificate” on a proper letterhead from the Head of the Institute/Competent authority in the organization on the specified format given at FORMAT-B.

If the candidate after joining the PhD program changes the organization, he should inform the Institute immediately and get NoC from the new organization as well.

7.2.3 Eligibility Requirement for IIT Ropar Staff

Minimum eligibility requirements: In addition to possessing the academic qualifications mentioned in Table 1 under regular full-time Ph.D program, an applicant should fulfill the following additional requirements also:

GATE or equivalent qualification: Minimum qualification for these candidates is the same as for regular PhD candidates except that the requirement of qualifying in a national examination (e.g., GATE or equivalent) is waived off.

No Objection Certificate: Prior permission/No Objection Certificate (NOC) has to be obtained from competent authority before applying for admission to the program. NOC has to be submitted at the time of submission of application. Institute work should not suffer due to joining the PhD programme by the candidate.

Selection Procedure: Short-listed eligible staff will be called for written exam or interview or both. Final selection is based on the performance of the staff in the written exam or interview or both.

Fellowship: Members of staff permitted and enrolled for the PhD degree shall not be entitled to institute fellowship.

Duration: The minimum period to be spent in the research work registered under the Part-Time Ph.D. for Staff degree shall be 4 years. The maximum period admissible for completion of the course work, research work and submission of the thesis, shall, however, remain to be the same as in the case of regular candidates.

8 Selection Procedure

Eligible candidates possessing the minimum educational qualifications and satisfying additional criteria set by the departments from time to time, will be called for an Interview and/or Test by the Selection Committees of the respective departments/Centers. Based on the academic record and the performance of the candidates in the interview and/or test, the Departmental Selection Committee will recommend to the Dean (Research) the names of candidates found suitable for admission to the PhD Programme.

8.1 Admission to the Programme

Candidates whose selection is approved by the Dean (Research) will be admitted to the PhD programme after payment of prescribed fees.

Ordinarily, a candidate is not eligible for re-registration for PhD after cancellation of his/her earlier registration for any reason. Based on the merits of the individual case and taking into consideration of any special circumstances, a candidate may be considered for re-registration.

A limited number of Research Assistantships and other financial support for attending conferences within India and abroad are available as per MOE norms subject to the conditions prescribed in the Institute regulations.

8.2 Admission to ERP

Candidate admitted to the programme must continue to remain in the same organization and place of work until the research work is completed. If the candidate is transferred or joins a new organization before the submission of the thesis, he/she should get the approval from the new organization for continuation of the programme.

9 Registration for the Ph.D. Degree

The selected candidates who have submitted the institute fee will be provided the Entry No. and institute email ID after the verification of all their testimonials.

Candidates joining Ph.D. programmes are required to produce their original marks/grade sheets along with provisional certificates at the time of admission.

9.1 Original Documents to be Submitted for Verification at the Time of Admission

1. Printed copy of the application form obtained after online registration.

2. Mark sheets/Grade cards of all semesters & Course completion certificate/Provisional certificate/Degree certificate beginning from first degree towards proof of qualification.
3. Copy of GATE score card or UGC-JRF/NET/CSIR-JRF/DAE-JEST or other fellowship award letter.
4. SC/ST/OBC-NCL community certificate for the candidates belonging to SC/ST/OBC-NCL category issued by the respective State Government [OBC-NCL candidates should produce the latest valid OBC Non-creamy layer community certificate in the prescribed format obtained after 31/03/2025].
5. The candidates claiming for EWS (Economically Weaker sections) reservation should submit valid Income & Assets certificate in the prescribed format obtained after 31/03/2025.
6. Authorised Doctor's Certificate with disability descriptions in the case of Person with Disability (PwD) candidates.
7. For Part-time candidates, NOC from the present employer should be submitted as per the prescribed format.

10 Location and Accessibility

The Institute is located at Ropar, the headquarters of Rupnagar district, Punjab. This institute, with its establishment, joins a string of premier educational institutions in Punjab. The town of Ropar, the district headquarters, is 42 kms from Chandigarh. Rupnagar is well connected by both road (National highway NH21/NH205) and railways (the Delhi-Ambala-Una railway line passes through Rupnagar).

10.1 By Air

The nearest international Airport is in Chandigarh, about 50 km from Rupnagar. Any visitor wishing to come to Rupnagar/Ropar could take a flight from his/her respective place to Chandigarh, if available, or a flight from Delhi to Chandigarh and then take a taxi from the airport to reach the campus of Indian Institute of Technology Ropar (IIT Ropar), which is approximately one and a half hour journey.

10.2 By Train

There are regular trains running between Delhi and Rupnagar. The Delhi-Ambala-Una railway line passes through Rupnagar. The duration of the journey is around six hours from Delhi.

11 Facilities Available at IIT Ropar

The institute is actively involved in collaborative programs with international organizations and universities. The institute has the following facilities other than the basic academic facilities.

11.1 Virtual Classrooms (NKN)

Two virtual classrooms have been set up at IIT Ropar. NKN interconnects the institutions engaged in research, higher education and scientific development in the country.

11.2 Library

The Nalanda Library, IIT Ropar is an invaluable storehouse of knowledge and learning resources, which plays a fundamental and advanced role in support of various academic and research activities at the institute. The objective of the library is to provide users with the required information resources and support by offering latest services which are integrated with teaching, learning and research activities.

Apart from textbooks and recommended reading materials prescribed for each course offered at the institute, the library houses a growing collection of research monographs, reports, multi-volume reference works, dictionaries, encyclopaedias, handbooks, and so on. The library also possesses a substantial collection of theses, dissertations, and annual reports, standards in the field of science, engineering, technology, humanities and social sciences.

The library facilitates access to electronic journals through its participation in consortia, such as E-ShodhSindhu (eSS). The library also subscribes to several e-journals directly from publishers as well as through reputed subscription agencies. At present, users can consult more than 25,000+ books (available on shelves) and thousands of electronic books, e-journals.

The library provides online access to a range of specialized databases, including economic and political databases, such as Prowess IQ and CMIE States of India, as well as scientometric databases, like Scopus, MathSciNet, and Web of Science. To support researchers in enhancing scientific writing skills and ensuring the originality of their research work, the library provides online access to tools such as Overleaf, Grammarly and Turnitin.

The library circulation operations have been automated using RFID-based LMS-KOHA software. The Online Public Access Catalogue (OPAC) which is in the public domain enables users to search documents in possession of the library. The library is using the Radio Frequency Identification Technology (RFID), a state-of-the-art auto-identification technique that helps in self-servicing and enhanced security.

A dedicated e-resources section is provided in the library to browse CDs and DVDs of books, theses, and dissertations. Additionally, the library has established an Institutional Digital Repository (IDR) using open source DSpace software to archive and provide online access to the intellectual output of the institute. IDR is available publicly which facilitates the dissemination of scholarly work while promoting institutional visibility. To further enhance resource accessibility, the library has developed a web-based Subject/Research Guide using the Subject plus tool. The guide enables users to explore comprehensive library resources based on subject areas or research interests, including e-journals, books/e-books, databases, and theses/dissertations.

11.3 Hostel Accommodation

The Institute campus has four boys' hostels (Satluj, Beas, Chenab, Brahmaputra) and 3 girl hostels (Raavi, Brahmaputra, T6) with a total capacity of 2984 available at the main campus. All hostels are well furnished along with common rooms for recreational activities for each hostel. The campus also has an expansive and airy common dining area. All hostels are provided with excellent drinking water facilities. Each hostel has common facilities- indoor, recreation and games. The hostel complex also includes a few shops that cater to the basic needs of the residents.

IIT Ropar also provides gymnasium facilities within its campus for its students. Lush green IIT campus add enormous fuel in the daily life of the students. We have lively and enchanting campus life wherein the students are provided with all the amenities for the recreational activities. Here at IIT Ropar, students rejuvenate their hidden talent and relive their hobbies. State of the art classrooms with Audio visual aids and state of the art laboratories with latest research facilities enhance the teaching learning process while high-tech library with tremendous books, journals, periodicals etc. help them to connect with the entire world of information and

knowledge.

We have also introduced drastic changes to the mess menu with detailed options given to students w.r.t. the food items they would like to have in the Mess by fixing the base menu and providing extra items in the menu which they can avail at an extra cost. At IIT Ropar, students relish research and extracurricular activities to grow as an aspiring engineer with moral and ethical integrity.

***Note:** Hostel accommodation to new students/Scholars will be provided on a sharing basis only.

11.4 Health Care

11.4.1 Medical Centre (24x7)

The Institute Medical Centre is located in the Utility Block in Main Campus. The Medical Centre consists of dedicated full time Medical Officers, Visiting Specialists and Para-Medical staff (Pharmacists and Nursing Staff) which have been appointed to provide the medical services to Students, Faculty, Staff and their dependents. The Medical Centre provides Routine OPD, Day Care, First-Aid & 24x7 Emergency Services. There are two Ambulances with basic life support available 24x7 for medical emergencies and for referral services to the higher centres. In addition, the Institute empanelled various Multi and Super Speciality hospitals in the city of Ropar, Mohali and Chandigarh for providing the Secondary and Tertiary medical care to the clientele of IIT Ropar.

Medical Centre aims to enhance the healthcare experience of the IIT Ropar campus community by providing healthcare with respect, consideration and confidentiality.

11.5 Student Activities

The Institute has a Society for Publication and Communication Skills Development. In addition, there are Music, Dance, Dramatics, Arturo Photography, Fine Arts clubs, Girl up Club, Electoral Club, Epicure-The Cooking Club, Literary, Music clubs and also Science & Technology, Robotic Societies, Monochrome, Computer Integrated Manufacturing, Astronomy, Quiz, Coding clubs, where the students can participate and develop a well-rounded personality. Apart from above all, an Outdoor Adventure and Social Activities Club and Fitness club are also there for the wellness of Students.

11.6 General Facilities

The Institute has a branch of SBI as well as a Post office to cater to the needs of the faculty members, staff and students.

11.7 Student Life at Institute

At present, institute have excellent facilities for several sports, including a cricket field, three lawn tennis courts, a football field, a hockey field, a gymnasium, a basketball court, badminton courts, an athletics track, table tennis room and also facilities for several athletic events. The institute encourages its students to participate in inter-IIT sport events and other competitions. Space for recreational and creative activities is also available.

12 Industry and Alumni Relations

12.1 Industry Relations

The Industrial & Corporate Relation Cell office works in the direction to strengthen the relations with industry and reputed international research institutes in order to develop strong research and academic collaborations. The institute is well connected to Industry and is a member of Confederation of Indian Industry (CII). Industry Institute Conclaves are conducted in the Institute to develop Industrial Associates of the institute. The Conclaves are focused on bringing together industry leaders and academia together on the same platform to discuss and brainstorm topics related to industrial expectations from institutions, curriculum structure and discuss issues and opportunities related to industrial projects & consultancy. Experts from the industries are invited regularly to deliver lectures under Industrial Lecture Series. Centre for Innovation and Business Incubation (CIBI) of the institute is already hosting six startups, which is a part of Technology Business Incubator (TBI).

12.2 Alumni Relations

Our Institute has been actively working to sustain the bonding and to ensure greater participation of its Alumni in its academic and extra activities through various initiatives in association with the IIT Ropar Alumni Association (founded in Feb. 2013). Some of the initiatives are as follows:

- **Alumni Student Mentorship Program (ASMP):** It's a platform for tapping in the multitude of experience and knowledge of the Alumni for the benefit of the students and Alumni alike. As distinguished IIT Ropar graduates, Alumni hold a wealth of information and knowledge that current students can benefit from. Their expertise and advice are more valuable to students wanting to sail a similar kind of boat ranging from MBA (India, Abroad), MS, various kinds of jobs, civil services, entrepreneurship, etc.
- **Hangout with Alumni:** Conducting regular Alumni-Student interaction sessions including webinars, podcasts, and in-person meets, when feasible, to bridge the gap between them and allow the experiences, learnings, exam preparation strategies, and above all, their valuable college memories, to reach the existing students. In this, we have Alumni speak about various topics based on students' responses and needs.
- **Alumni Student Relationship Cell:** The ASRC has been linked with the placement and internship team of IIT Ropar, for facilitating more and better opportunities to the students through alumni in the form of internships, live projects, and placements. The vast alumni network spread over hundreds of corporate giants brings home the opportunity to call them for hiring at our campus.
- **Recreational Activities:** The Alumni office and ASRC plans to regularly engage with the Alumni via recreational activities like inter-year online games and championships, organized in collaboration with various clubs of IIT Ropar. These initiatives are meant to foster healthy and vibrant relationships with these much precious jewels of the institute.
- **Alumni Awards:** To recognize, appreciate and encourage our emerging young alumni members for their leadership potential and professional and/or societal impactful contributions and accomplishments, to enhance the awareness of their achievements and contributions, and to strengthen our bonding with emerging alumni members, Emerging Young Alumni Awards are instituted.

The Alumni have shown a lot of enthusiasm in participating in these initiatives and to keep working towards building a brand for our young institute IIT Ropar.

13 Recreational/Extra Curricular Activities

In order to take care of various students' activities, we have a Student Affairs Section with the following functional units:

- Board of Hostel Affairs (BOHA)
- Board of Cultural Activities (BOCA)
- Board of Science & Technology (BOST)
- Board of Sports Activities (BOSA)
- Board of Literary Activities (BOLA)
- Board of Academic Affairs (BOAA)
- Board of Wellness Affairs (BOWA)
- Institute Student Mentorship Program (ISMP)
- Outdoor Adventure and Social Activities Club (ODAC)
- National Service Scheme (NSS)

13.1 Board of Hostel Affairs (BOHA)

The Board of Hostel Affairs (BOHA) oversees all hostels and mess facilities at the institute, ensuring a comfortable and well-managed residential experience for students. It monitors food quality, menu planning, and overall mess operations through the Mess Committee. For hostel-related concerns, the Hostel Committee addresses student issues and works towards improving hostel life. BOHA also organizes cultural celebrations, special dinners, and various activities to enhance student engagement. A major highlight is the General Championship (GC), a prestigious inter-hostel competition that fosters camaraderie and competitive spirit. All these activities are managed under the leadership of the General Secretary, BOHA.

13.2 Board of Cultural Activities (BOCA)

The Board of Cultural Activities (BOCA) at IIT Ropar is the heart of the institute's cultural scene, fostering artistic expression and vibrant student engagement. It oversees a diverse array of clubs, including Alankar (Music Club), Arturo (Photography Club), D'Cypher (Dance Club), Epicure (Culinary Club), Undekha (Dramatics Club), Vibgyor (Fine Arts Club), and Panache (Fashion Club). Throughout the year, BOCA organizes exciting events like jamming nights, Bhangra sessions, ramp walks, and street plays, ensuring a lively campus atmosphere. The flagship event, Zeitgeist, is IIT Ropar's annual cultural fest, featuring renowned celebrities, musicians, and comedians, drawing immense participation. BOCA also proudly represents IIT Ropar at the Inter-IIT Cultural Meet, held every December, where students compete against peers from all 23 IITs in a prestigious display of talent and creativity. Through these initiatives, BOCA not only enriches the cultural landscape on campus but also fosters leadership, teamwork, and artistic excellence.

13.3 Board of Science and Technology (BOST)

The Board of Science and Technology at IIT Ropar is a vibrant hub of innovation, comprising 11 dynamic clubs—Aeromodelling, Automotive, CIM, Coding, Fincom, Robotics, Softcom, Zenith, Esportz, Monochrome, and Softcom. We explore diverse domains, including mechatronics, software development, cyber security, game development, and competitive coding, fostering a culture of technical excellence. Our board extends its reach into high-power model rocketry, astronomy, esports, computational simulations, and design, pushing the boundaries of scientific exploration. We also focus on case studies, quantitative finance, and advanced computational techniques, providing students with real-world problem-solving skills. Engaging in national

and international competitions, we showcase our expertise on global platforms. From cutting-edge robotics and automation to financial modeling and digital art, our clubs cater to every tech enthusiast. With hands-on projects, workshops, and mentorship, we empower students to innovate and lead in the evolving technological landscape.

13.4 Board of Sports Activities (BOSA)

We have a Board of Sports Activities (BOSA) which encourages the students to participate in local/Inter-/Intra-college/Hostel Sports Activities to boost their performance in inter IIT Sports meet under the guidance of Sports Officer & professional coaches.

All sports facilities including gymnasium are being upgraded to enhance the quality of facilities at the Institute. There are international level modern sports fields/grounds with floodlights facilities. Since 2016, BOSA, IIT Ropar is organizing an Annual Sports Festival “AAROHAN” in which students of various Colleges, Institutes and Universities participate in more than 13 sports events.

13.5 Board of Literary Affairs (BOLA)

The Board of Literary Affairs at IIT Ropar is dedicated to nurturing and promoting literary excellence and creativity within the campus. It oversees and organizes all literary activities, providing a vibrant platform for students to explore and showcase their talents. Under its umbrella, the board hosts various clubs, including poetry, quizzing, debating, oratory, filmmaking, Model United Nations (MUN), and a movie club, catering to diverse literary and artistic interests. Additionally, it proudly organizes MALHAR, the annual literary fest of IIT Ropar, which celebrates the spirit of literature, culture, and expression through a series of exciting events, competitions, and interactive sessions, fostering a dynamic and intellectually stimulating environment for the student community.

13.6 Board of Academic Affairs (BOAA)

The Board of Academic Affairs (BOAA) acts as a crucial link between students and the administration, focusing on addressing academic concerns effectively. With representatives from all branches of each year, BOAA ensures clear communication between students and professors. It advocates for student interests, influencing positive changes in academic policies. The board plays a vital role in improving the overall academic experience, aiming to create a supportive environment where every student’s voice matters. Its efforts promote collaboration and address challenges to enhance learning throughout the college community.

13.7 Board of Wellness Affairs (BOWA)

The Boards caters the mental health and counseling needs of the students, faculties and staff. Our system is especially working towards addressing the psychological difficulties of the students and promoting wellness among the whole campus community. Our main focus is to create a proactive and preventative environment for mental health care for all. The objective of this cell is to increase the help seeking behavior among the community, and make the counseling services more user friendly.

There is another unit working in coordination with the Board of Wellness Affairs i.e. a Counseling Cell named as “Snehita Wellbeing Cell”. This cell conducts various educational activities/sessions for student’s well-being like – Dealing with Academic Anxiety, Self Discipline & Wellbeing, Time Management, Power of Happiness, Relaxation Exercises & Mindfulness etc. Snehita Buddies have been constituted to address the stress related concerns of students under Snehita Wellbeing Cell.

13.8 Institute Student Mentorship Program (ISMP)

The Institute Student Mentorship Program (ISMP) at IIT Ropar is a student-driven initiative designed to help freshers adapt to college life. It provides guidance on academics, co-curricular activities, and maintaining a balanced lifestyle. Each fresher is assigned a mentor, a carefully selected senior student who offers support and advice throughout the year. ISMP ensures a smooth transition into IIT Ropar by organizing interactive sessions, activities, and events that introduce freshers to the campus culture. The program fosters a strong support system, encouraging personal and academic growth. Through mentorship, freshers gain insights, resources, and confidence to make the most of their college journey.

13.9 Outdoor Adventure and Social Activities Club (ODAC)

The Club organizes events specifically designed to help students, faculty, and staff members improve their fitness and overall well-being. Every year, on occasions such as National Unity Day, Yoga Day, and others, the club organizes events like the IIT Ropar Unity Run, Yoga Day in coordination with the Board of Sports Affairs, the celebration of Bicycling Day, and the Holy Run, among others.

13.10 NSS (National Service Scheme)

With the goal to work for the betterment of society and instil the spirit of social service among the young students, IIT Ropar established NSS at institute level, headed by Faculty in Charge, IIT Ropar. Currently, NSS, IIT Ropar has over 100 active members from different disciplines, working vigorously for community health care, literacy drives, and environmental protection. Blood donation camps, informative lectures on human values are organized regularly. The aim of the organization is to produce engineers, who are socially responsible, and work for the development of the nation.

FORMAT-A**FORMAT OF SPONSORSHIP CERTIFICATE (Part-time- ERP)**

We understand that this sponsorship is covered by the following conditions:

- i) The candidate will be continuing in the present place of work till he/she completes the research work.
- ii) Necessary facilities will be provided for the proposed research work of the candidate.
- iii) The Research Supervisor(s) from the Institute will be given access to the facilities necessary for the research work of the candidate in our organization.
- iv) The Joint Research Supervisor/Coordinator will be identified by the candidate at the time of registration in the External Registration PhD programme.
- v) The Joint Research Supervisor/Coordinator from the organization will ensure that half yearly reports are submitted through the Research Supervisor at the Institute to the PG office. Failure to comply with will result in cancellation of registration.
- vi) The organization confirms that the Joint Research Supervisor has completed PhD in Govt. recognized Institution/University. The organization can nominate Coordinator for the candidate in case Joint Research Supervisor is not available in the organization.
- vii) The organization will ensure that the candidate devotes sufficient time to his/her research work so that the submission of the thesis will be done within the time frame stipulated by the Institute.
- viii) In the event of any intellectual property generated by the student during his/her proposed research, the Organization agrees to the sharing of IP rights as determined by a Committee constituted by IIT Ropar for this purpose.
- ix) The thesis is a public document, and shall include all the work carried out by the student for the Ph.D. degree. The organization shall agree that sensitive/confidential information will not be included in the problem formulation or, subsequently, during the course of research.
- x) All material in the thesis can be submitted for publication in peer-reviewed journals/conferences; the organization waives the right to deny permission for publication, for reasons of confidentiality or for any other reason, for any material contained in the thesis.
- xi) Publications: In the case of publications arising from the thesis, only those who have directly contributed to the research work can be listed as authors. In case of any difference of opinion, the decision of the internal committee of IIT Ropar shall be final.

NAME: _____

DESIGNATION: _____

ADDRESS: _____

Signature of the Head of the Organization with the official seal.

Place: _____

Date: _____

FORMAT-B**FORMAT FOR NO OBJECTION CERTIFICATE**

(Only for part-time)

Part-time candidates are required to submit a “No Objection Certificate” on a proper letter-head from the Head of the Institute/Competent authority in the organization clearly stating the following:

- I. The candidate is permitted to pursue studies on a part-time basis.
- II. That his/her official duties permit him/her to devote sufficient time for research.

NAME: _____

DESIGNATION: _____

ADDRESS: _____

Signature of the Head of the Organization with the official seal.

Place: _____

Date: _____

FORMAT-C OBC-NCL Certificate Format

FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES (NCL) APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA

This is to certify that Shri/Smt./Kum* _____ Son/Daughter* of
Shri/Smt.* _____ of Village/Town* _____ District/Division*
_____ in the State/Union Territory _____ belongs to the
_____ community that is recognized as a backward class under Government
of India**, Ministry of Social Justice and Empowerment's Resolution No. _____
dated _____***

Shri/Smt./Kum. _____ and/or his/her family ordinarily reside(s) in
the _____ District/Division of the _____ State/Union Terri-
tory. This is also to certify that he/she does NOT belong to the persons/sections (Creamy Layer)
mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel
& Training O.M. No. 36012/22/93-Estt. (SCT) dated 08/09/93 which is modified vide OM
No. 36033/3/2004 Estt.(Res.) dated 09/03/2004, further modified vide OM No. 36033/3/2004-
Estt. (Res.) dated 14/10/2008, again further modified vide OM No.36036/2/2013-Estt (Res)
dtd. 30/05/2014.

Dated: _____

Seal

District Magistrate/Deputy Commissioner/Any other Competent Authority

* Please delete the word(s) which are not applicable.

** As listed in the Annexure (for FORM-OBC-NCL)

*** The authority issuing the certificate needs to mention the details of Resolution of Gov-
ernment of India, in which the caste of the candidate is mentioned as OBC.

NOTE:

The term 'Ordinarily resides' used here will have the same meaning as in Section 20 of the
Representation of the People Act, 1950.

The authorities competent to issue Caste Certificates are indicated below:

- District Magistrate/Additional Magistrate/Collector/Deputy Commissioner/Additional
Deputy Commissioner/Deputy Collector/Ist Class Stipendiary Magistrate/Sub-Divisional
magistrate/Taluka Magistrate/Executive Magistrate/Extra Assistant Commissioner (not
below the rank of Ist Class Stipendiary Magistrate).
- Chief Presidency Magistrate/Additional Chief Presidency Magistrate/Presidency Magis-
trate.
- Revenue Officer not below the rank of Tehsildar' and
- Sub-Divisional Officer of the area where the candidate and/or his family resides

Annexure-I

Government of

(Name & Address of the authority issuing the certificate)

INCOME & ASSEST CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Certificate No. _____

Date: _____

VALID FOR THE YEAR _____

This is to certify that Shri/Smt./Kumari _____ son/daughter/wife of _____ permanent resident of _____, Village/Street _____ Post Office _____ District _____ in the State/Union Territory _____ Pin Code _____ whose photograph is attested below belongs to Economically Weaker Sections, since the gross annual income* of his/her 'family**' is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year _____. His/her family does not own or possess any of the following assets*** :

- I. 5 acres of agricultural land and above;
- II. Residential flat of 1000 sq. ft. and above;
- III. Residential plot of 100 sq. yards and above in notified municipalities;
- IV. Residential plot of 200 sq. yards and above in areas other than the notified municipalities.

2. Shri/Smt./Kumari _____ belongs to the _____ caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List)

Signature with seal of Office _____
 Name _____
 Designation _____

Recent Passport size
 attested photograph of
 the applicant

*Note1: Income covered all sources i.e. salary, agriculture, business, profession, etc.

**Note 2: The term "Family" for this purpose include the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years

***Note 3: The property held by a "Family" in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

Figure 2: Income and Asset Certificate for EWS