



भारतीय प्रौद्योगिकी संस्थान पटना

Indian Institute of Technology, Patna

IITP/ACAD/PhD/2023-24/02

Date: 26/10/2023

PhD Admission – January 2024 (Spring Semester, AY 2023-24)

Applications are invited for admission to the Doctor of Philosophy (PhD) programme, starting from January, 2024 in the following Departments and areas of research at IIT Patna:

| Department | Areas of Research |
|------------------------------------|--|
| Chemical & Biochemical Engineering | Advanced Materials and Processes |
| | Artificial Intelligence and Machine Learning in Chemical Engineering |
| | Bioprocess Technology |
| | Computational Fluid Dynamics and Thermal Management |
| | Electrochemical Systems (Bio, Photo, Corrosion) |
| | Energy Conversion and Storage |
| | Molecular Modelling and Simulation |
| | Process Systems Engineering |
| | Reaction Engineering |
| | Waste Management and Pollution Control |

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| Chemistry | Inorganic |
| | Organic |
| | Physical |

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| Civil & Environmental Engineering | Environmental Engineering - Water Supply Systems |
| | Environmental Engineering - Water Quality and Treatment |
| | Environmental Engineering - Water and Wastewater Treatment with emphasis on Removal and Degradation of Emerging Contaminants and Microplastics from Aqueous Matrices |
| | Environmental Engineering - E-waste Management |
| | Environmental Engineering - Air Pollution and Atmospheric Sciences |
| | Geotechnical Engineering - CO ₂ sequestration |
| | Geotechnical Engineering - Energy Geotechnics |
| | Geotechnical Engineering - Geoenvironmental Engineering and Biogeotechnics |
| | Geotechnical Engineering - Geotechnical Earthquake Engineering |
| | Geotechnical Engineering - Ground Improvement |
| | Geotechnical Engineering - Rock Mechanics and Underground Excavations |
| | Geotechnical Engineering - THMC behaviour of unsaturated soil |
| | Geotechnical Engineering - Pavement Geotechnics |
| | Hydraulics and Water Resources Engineering - Geoinformatics application in Water Resources |
| | Hydraulics and Water Resources Engineering - Groundwater flow and contaminant transport |
| | Hydraulics and Water Resources Engineering - Open Channel Hydraulics |
| Hydraulics and Water Resources Engineering - Surface Water Hydrology | |

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| | Hydraulics and Water Resources Engineering - Groundwater remediation |
| | Hydraulics and Water Resources Engineering - Reactive contaminant transport in groundwater systems |
| | Hydraulics and Water Resources Engineering - Saltwater Intrusion in Coastal Aquifers |
| | Transportation Engineering - Intelligent Transportation Systems |
| | Transportation Engineering - Pavement Analysis and Design |
| | Transportation Engineering - Pavement Materials Engineering |
| | Transportation Engineering - Railway Engineering |
| | Transportation Engineering - Traffic Engineering |
| | Transportation Engineering - Traffic flow Theory |
| | Geomatics Engineering (Geoinformatics) for Agriculture, Forestry, Urban and Regional Planning and Disaster studies |

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| Computer Science and Engineering | AI and IoT (AIOT) |
| | Algorithms |
| | Applied Time Series Analysis |
| | Artificial Intelligence |
| | Artificial intelligence in Medical Imaging |
| | Blockchain Technology |
| | Cloud and Edge Computing |
| | Cloud and Fog Computing |
| | Computational Biometrics and Forensics |
| | Computer Vision |
| | Computer Vision & Image Processing |
| | Conversational Agents |
| | Cyber physical systems |
| | Cyber security |
| | Deep learning |
| | Formal Methods |
| | Intelligent Transportation Systems |
| | Intelligent Vision Systems |
| | Internet of Things |
| | IoT Security |
| | Large Language Models |
| | Machine Learning |
| | Machine Learning & Deep Learning |
| | Machine Learning and Conversational AI |
| | Machine Learning for Internet of Things |
| | Machine Learning for Network Security |
| | Machine Learning Security and Privacy |
| | Mobile and Distributed Computing |
| | Multimodal Artificial Intelligence |
| | Natural Language Processing |
| Network Science | |
| Social Networking | |
| Virtualization for Internet of Things | |
| Wi-Fi & Network Security | |

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| Electrical Engineering | Tracking |
| | Networked Control and Estimation |
| | Battery Management System |
| | Intelligent Reflecting Surfaces for THz |
| | THz Antennas for 6G |
| | Multifunctional Metamaterials |
| | Multi-Frequency Antennas |
| | Active Noise Control |
| | Signal Processing for wearables |
| | Adaptive Signal Processing |
| | Audio and Acoustic Signal Processing |
| | Electrical Drives |
| | Power Electronics |
| | Electric Machine Design |
| | Power Systems |
| | 5G and Beyond |
| | 6G and Signal Processing for Communication and Wireless Communication |
| | Analog Integrated Circuits (AIC) |
| | Biomedical Signal and Image Processing |
| | Control System |
| | Deep Learning |
| | Design and Fabrication |
| | Digital Image Processing |
| | Digital Metasurface and Applications in 5G and Beyond (IRS) |
| | Digital Signal Processing |
| | Digital Video Processing |
| | High Gain Beam Scanning Metasurface Antennas |
| | Internet of Things (IoT) |
| | Machine Learning |
| | Metamaterial Absorber for Stealth Application |
| | mm-Wave Antennas for 5G and Beyond |
| | Molecular Communications |
| | Multimedia Communication |
| | Neuro-cognition |
| | Neuroscience |
| | Optical Communication |
| | Optical Fiber based Sensing |
| | Optoelectronic Devices |
| | Photonic Neuromorphic Computing |
| | Photodetectors |
| | Photonics for Artificial Intelligence |
| | Power System Protection |
| Power System Stability | |
| Radio Frequency Integrated Circuits (RFIC) | |
| SDR Based Radar for Detection and Ranging | |
| Semiconductor Device and Circuits for Low Power and Neuromorphic Computing | |
| Semiconductor Device and Circuits, | |
| Sensor | |
| Smart Grid | |
| Solar cell | |
| Tactile Internet | |
| Tele-medicine | |
| THz Communication Network | |

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| | UAV Communication Network |
| | Video Surveillance |
| | VLSI circuits and systems, VLSI for edge computing system, VLSI for machine learning, VLSI for signal and communication system, computer architecture and embedded system, FPGA based system design |
| | Wearable Healthcare Monitoring |
| | Wireless Communication |
| | Wireless Sensor Networks |

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| Humanities and Social Sciences | Economics - Development Economics |
| | Economics - Labour Economics |
| | Economics - Macroeconomics |
| | Economics - Finance |
| | Economics – IPR, WTO and India |
| | Management - Human Resource Management |
| | Management - Organizational Behavior |
| | Geography - Health Care Management, Gender and Development, Population and Public Health, Regional Development |
| | Sociology - Social Networks, Migration and Development, Public Policy, Sociology of Education |
| | Psychology – Applied Psychology |
| Psychology – Industrial and Organizational Psychology | |

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| Metallurgical & Materials Engineering | Electroceramics: Dielectric, Ferroelectric, Piezoelectric, Multiferroics, |
| | Flash sintering of ceramics |
| | Friction stir welding and processing |
| | Functional Nanomaterials |
| | Electrochemical Corrosion of Metal, Alloys and Coatings |
| | Textile based composite materials |
| | Thin film technology and deposition |
| | Computational materials science |
| | Structural Ceramics |
| | Tribology of Materials |
| | Surface Engineering, Thermal spray coating, Plasma spraying, Mechanical and Tribological properties of coating |
| | Process-structure-property relationship of coating |
| | Translucent Ceramics |
| | Materials Chemistry |
| | Carbonaceous / non-carbonaceous nanofillers and hybrid nanofillers for polymers |
| | Polymer adhesion, Polymer Blends and Nanocomposites, and Biopolymers |
| Batteries, Solid oxide fuel cells | |
| Cold sintering of ceramics | |

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| Mathematics | Existence and Uniqueness of Nonlinear Boundary Value Problems |
| | Monotone Iterative Techniques |
| | Non-standard Finite difference techniques |
| | Vector Variational Inequalities; Differential Manifold |

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| A posteriori Error Estimates |
| Algebraic Coding Theory |
| Algorithmic graph theory |
| Biomathematics |
| Black Scholes Equations |
| Dynamical Systems |
| Estimation under Censored Data |
| Fractional Order Differential Equations |
| Integral Equations |
| Mathematical Control Theory, Optimal Control |
| Probabilistic Theory |
| Mathematical Finance |
| Mathematical sequence design |
| Moving Mesh Methods |
| Nonlinear Problems |
| Nonlinear Programming |
| Numerical Analysis |
| Ordinary differential equation (ODE) |
| Partial differential equation (PDE) |
| Rings and Modules |
| Singular Perturbation |
| Statistical Inference |
| Survival Analysis |
| Theory of Inregral Transforms |
| Polynomial Identities on Rings |
| Finite Field |
| Reliability Estimation |
| Differential geometry |

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| Design - Bio-Medical Device Design, Interfacial Rheology and Tribology |
| Design - Computational Mechanics (FEM/XFEM/XIGA/Localizing Gradient Damage Model) |
| Design - Condition Monitoring of Gear Box and Bearing |
| Design - Continuum Mechanics |
| Design - Cyclic Plasticity |
| Design - Fatigue and Fracture Mechanics |
| Design - Mechatronics |
| Design - Micro Electromechanical (MEMs) Devices |
| Design - Molecular Modelling |
| Design - Robotics |
| Design - Smart Materials and Devices |
| Design - Tribological Machine Element Design |
| Design - Vacuum Tribology |
| Design - Fracture Modeling of Composite Materials |
| Manufacturing - Powder Bed Friction Stir Additive Manufacturing (PBFS) |
| Manufacturing - Advanced Metallic Materials |
| Manufacturing - Cyber Physical Machine Tools |
| Manufacturing - Digital Manufacturing |

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| Mechanical Engineering | Manufacturing - Finite Element Modeling of the Welding Processes |
| | Manufacturing - Micro Friction Stir Welding |
| | Manufacturing - Green manufacturing |
| | Manufacturing - In situ Analysis of Manufacturing Processes |
| | Manufacturing - Mechanical Micromachining |
| | Manufacturing - Hybrid Micromachining |
| | Manufacturing - Micro-EDG using a pencil-shaped micro-PCD tools |
| | Manufacturing - Bi-metallic and multi-material additive manufacturing |
| | Manufacturing - Sheet Metal Forming |
| | Manufacturing - Surface Engineering |
| | Manufacturing - Laser Shock Peening |
| | Thermal and Fluids - Artificial Intelligence and Machine Learning Tools for Heat Transfer Problems |
| | Thermal and Fluids - Biofluid Dynamics and Heat Transfer |
| | Thermal and Fluids - Biomicrofluidics |
| | Thermal and Fluids - Biophysical Aerodynamics |
| | Thermal and Fluids - Boiling Heat Transfer |
| | Thermal and Fluids - Bubble Acoustics |
| | Thermal and Fluids - Computational Fluid Dynamics |
| | Thermal and Fluids - Condensation Heat Transfer |
| | Thermal and Fluids - Energy |
| | Thermal and Fluids - Fluid-structure Interaction |
| | Thermal and Fluids - Hydrodynamic Stability |
| | Thermal and Fluids - Compressible Fluid Flow |
| | Thermal and Fluids - Hypersonic Flows |
| | Thermal and Fluids - Internal Combustion Engines |
| | Thermal and Fluids - Mini/Micro/Nano Flows and Heat Transfer |
| | Thermal and Fluids - Turbulence Modelling |
| | Thermal and Fluids - Microfluidics and BIOMEMS |
| | Thermal and Fluid - Point of Care Diagnostics |
| | Thermal and Fluid - Microfluidics for Cancer Detection |
| | Thermal and Fluids - Micro-nanostructured Surface Fabrication |
| | Thermal and Fluids - Multiphase Flow and Heat Transfer |
| | Thermal and Fluids - Rarefied Gas Flows |
| Thermal and Fluids - Solar Thermal | |
| Thermal and Fluids - Design of Heat Exchangers | |
| Mechatronics - Bio Micro Electromechanical Systems (BioMEMS) | |

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| Physics | Computational atomic Physics-Electronic structure calculation |
| | Computational atomic Physics-E-scattering |
| | Computational atomic Physics-Photoionization |
| | Computational atomic Physics-Strong field ionization |
| | Experimental Condensed Matter Physics-2D Materials |
| | Experimental Condensed Matter Physics-Electrocaloric materials |
| | Experimental Condensed Matter Physics-EMI Shielding |
| | Experimental Condensed Matter Physics-Ferroelectrics & Dielectrics |
| | Experimental Condensed Matter Physics-Heusler alloys |
| | Experimental Condensed Matter Physics-High-Temperature Superconductors |
| | Experimental Condensed Matter Physics-Magnetic materials |

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| Experimental Condensed Matter Physics-Magnetocaloric materials |
| Experimental Condensed Matter Physics-Multiferroics |
| Experimental Condensed Matter Physics-Nanoelectronics |
| Experimental Condensed Matter Physics-Nanomaterials for Energy and Sensing |
| Experimental Condensed Matter Physics-Nanoscale device applications based on atomic switch technology |
| Experimental Condensed Matter Physics-Nanostructured materials |
| Experimental Condensed Matter Physics-Renewable Energy Materials & Devices |
| Experimental Condensed Matter Physics-Solid State Cooling |
| Experimental Condensed Matter Physics-Spintronics |
| High Energy Physics-High Energy Physics Phenomenology |
| Optics and Photonics-Applied Optics (optical signal processing information security) |
| Optics and Photonics-Biophotonics |
| Optics and Photonics-Digital Holography |
| Optics and Photonics-Nano-optics |
| Optics and Photonics-Nanophotonics |
| Optics and Photonics-Quantum Optics (Theory + Experiment) |
| Optics and Photonics-Ultrafast Spectroscopy & Biophysics |
| Experimental Condensed Matter Physics-Semiconductor Gas Sensors |
| Experimental Condensed Matter Physics-Nanostructured Thin Films using Bottom-up Approaches |
| Experimental Condensed Matter Physics-Sensors for Breath Analysis: Non-Invasive Disease Diagnosis tool |
| Condensed Matter Theory-Electronic, Magnetic and Transport properties of low dimensional systems using model hamiltonian, Manybody Physics, Density Functional Theory and Molecular Dynamics Simulation |
| Astroparticle Physics-Astroparticle Physics Phenomenology |
| High Energy Physics-High Energy Physics Theory |
| Experimental High Energy Physics - QGP properties |
| Experimental High Energy Physics - Hadron interactions |
| Experimental High Energy Physics - phenomenology Electron Ion Collisions |
| Cosmology-Early universe cosmology |
| Cosmology-Effective quantum gravity |
| Cosmology-Signatures of new physics |
| Quantum Computation, Quantum Information, Quantum Sensing (Theory) |

A. CATEGORY OF ADMISSION:

The Institute admits PhD students under the following categories:

1.1 REGULAR and FULL-TIME

A student in this category works full-time for her/his PhD degree. They can be classified as:

1.1 a) INSTITUTE FELLOW

S/he receives assistantship from the Institute. The qualifying degree for financial support is:

1.1.1 BE/ BTech/ BS / MSc/ MA/ MBA/ MCA /equivalent degree with valid GATE score above the prescribed cut off level / NET qualification. However, minimum GATE cut-off doesn't guarantee shortlisting for test / interview.

The requirement of GATE score is waived for candidates with Bachelor's Degree in Engineering from the Centrally Funded Technical Institutes (CFTIs) with CGPA \geq 8.0 and above (out of 10) in line with MHRD (now MoE) letter no. 17-2/2014-TS.I dated February 18, 2015 and other IITs. Such candidates are required to appear in the interview for selection.

1.1.2 ME/ MTech/ MPhil /equivalent degree with GATE qualification not older than 05 years from the last date of submission of application / NET qualification.

Age Limit: Please refer to General Terms & Conditions - Minimum Eligibility Criteria for Admission to PhD Programme.

1.1 b) RESEARCH FELLOW - JRF/SRF

Applicants having external fellowship from recognized Government funding agencies are encouraged to apply.

S/he receives fellowship from any government recognized funding agencies, such as CSIR, UGC, DBT, NBHM, DST (INSPIRE programme) and similar other schemes.

Institute encourages candidates with external fellowship to apply round the year. However, admission to PhD would be considered during regular cycle in Jan / July each year.

1.1 c) PROJECT STAFF

This category refers to a student who, as a project staff, is working on a sponsored project (registered in R&D Unit, IIT Patna). The said project staff is eligible to be admitted in the PhD Program (of this Institute) to work on a full-time basis. The minimum remaining duration of the project at the time of admission as well as tenure of the project employee should be at least 2 years from the date of joining the PhD program. **S/he must have qualified GATE not older than 05 years from the last date of submission of application / NET qualification.**

If the project gets completed before the student completes her/his PhD, her/his category will no longer be that of Project Staff and her / his category will be converted to that of SELF-FINANCED unless s/he is granted an assistantship / fellowship from the Institute or any other funding agency.

A project staff intending to join the PhD program of IIT Patna must produce NOC on the day of interview in the prescribed format: **Form II, available on the website: https://academics.iitp.ac.in/academic_forms.php** admission through Principal Investigator, Head of the Department and Dean/ Associate Dean R&D with suitable endorsement.

1.1 d) SELF-FINANCED

A student in this category may work full-time towards the PhD Programme. The Institute does not provide any assistantship/fellowship to such a student. The applicant should have qualified a national level exam (GATE / NET). **S/he must have qualified GATE not older than 05 years from the last date of submission of application / NET qualification.**

Candidates in self-financed category should have at least one year of professional experience in the respective field.

1.2 SPONSORED (FULL-TIME)

A candidate in this category is sponsored by a reputed industry, R&D organization, academic institution (universities/colleges), government organization, PSUs and autonomous bodies (central / state) for research and career advancement. The Institute does not provide any assistantship/fellowship to such a candidate.

Candidate in Sponsored category must be a regular employee of the sponsoring organization (of repute) with a minimum of two-year job experience in the respective field. Candidate in this category must be a regular employee of his/her organization with at least two years of professional experience in the respective field. **The work-experience of minimum two years is essential with current employer.**

A student in this category is therefore a professionally employed person, who pursues PhD while continuing her/his services. The candidate has to work full time in institute to obtain the degree for a period of 3 years.

An intending sponsored candidate must produce NOC on the day of interview in the prescribed format: Form I, available on the website: https://academics.iitp.ac.in/academic_forms.php and annexed herewith.

1.3 EMPLOYED & PART-TIME

A candidate in this category is a regularly employed person (including the staff of IIT Patna), who pursues the PhD program, while continuing the duties of her/his service. The institute does not provide any assistantship/ fellowship to such a student. The minimum residential requirement is one or two semester(s) depending on the completion of mandatory course work required for PhD students. Candidate in Employed and Part-time category must be a regular employee of his/her organization with at least two years of professional experience in the respective field. **The work-experience of minimum two years is essential with current employer.** NOC must be produced on the day of interview in the prescribed format: **Form III, available on the website: https://academics.iitp.ac.in/academic_forms.php**

Candidate having experience for more than 10 years may be given relaxation up to 5% in qualifying degree as specified in clause B.2.1, B.2.2, B.2.3.

B. GENERAL TERMS & CONDITIONS: MINIMUM ELIGIBILITY CRITERIA FOR ADMISSION TO PHD PROGRAMME:

B.1 AGE LIMIT:

- In all the disciplines, the upper age limit is 28 years (B.Tech./ B.S./B.E./M.Sc./MA/MCA/MBA) for JRF and 32 years (M. Tech./M.E./M.S./M.Phil.) for SRF to be calculated as on the last date of application and is applicable **only** for candidates applying in Regular and Full-time category, as Institute Fellow.
- Upper age limit is relaxed up to 05 years in case of candidate belonging to Schedule Castes/Schedule Tribes, OBC, Women and PwD candidates.
- For Research/ project fellows, age limit will be as per the funding agency norms. In absence of any age criteria, the Institute norms will be followed.

B.2 MINIMUM EDUCATIONAL QUALIFICATIONS:

B.2.1 PhD in Engineering

For admission to the PhD Programme in Engineering Department, a candidate must satisfy one of the following criteria:

B.2.1.1 Candidates having M. Tech./M.E. degree in an Engineering/Technology, with a minimum CPI of 6.5 or 60% of marks.

B.2.1.2 Bachelor's degree in Engineering / Technology in a relevant branch / area with a minimum CPI of 7.5 or 70% of marks.

B.2.1.3 Master's degree in Science in a relevant area with a minimum CPI of 7.5 or 70% of marks

B.2.2 PhD in Science

For admission to the PhD Programme in Science departments, a candidate must satisfy one of the following criteria:

B.2.2.1 M.Phil. or Master's degree in Science in a relevant area with a minimum CPI of 6.5 or 60% of marks.

B.2.2.2 Master's degree in Engineering/Technology in a relevant area with a minimum CPI of 6.5 or 60% of marks

B.2.2.3 Bachelor's degree in Engineering/Technology in a relevant branch / area with a minimum CPI of 7.5 or 70% of marks.

B.2.3 PhD in Humanities and Social Sciences

For admission to the PhD Programme in the Department of Humanities and Social Sciences (HSS), a candidate must satisfy one of the following criteria:

B.2.3.1 M. Phil. or Master's degree in Arts/Commerce/Science/Management/Business Administration in a relevant area with a minimum of 55% marks or equivalent.

B.2.3.2 Master's degree in Engineering/Technology/Design in a relevant area with a minimum CPI of 6.5 or 60% marks.

B.2.3.3 Bachelor's degree in Engineering/Technology in a relevant branch / area with a minimum CPI of 7.5 or 70% of marks.

B.2.4 Direct Admission

For candidates in Sciences, Engineering & Technology:

The Institute may admit exceptionally bright candidates as Full-time (Institute Fellows) by direct admission (i.e. without written test). Direct admission to PhD program for exceptionally bright candidate is permissible subject to fulfilment of the following conditions:

B.2.4.1 B.Tech. / B. S. from the IITs, graduated within the last five years, with a degree in the respective discipline with a **CPI/CGPA of ≥ 8.0**

B.2.4.2 Masters from the IITs/IISc, graduated within the last five years, with a degree in the respective discipline with a **CPI/CGPA of ≥ 8.5**

Such a candidate has to apply online. Additionally, an email claiming candidature for direct recruitment must be sent with scanned copy of the supporting documents to **phd_admissions@iitp.ac.in**

There would be no admission in direct admission category in Department of Humanities and Social Sciences.

NOTE

- **CPI will not be converted into percentage marks if the degree awarding Institute provides marks in CPI system or vice versa. Their admission will be based on the CPI or Percentage of Marks awarded in the transcript.**
- **Candidates should note that if both CPI and percentage are indicated in transcript/marksheet of the qualifying degree then only CPI shall be considered for determining eligibility.**

C. RELAXATION FOR SC/ST CANDIDATES:

Eligibility criteria will be relaxed by 5% marks or 0.5 CPI for SC/ ST applicants.

D. RESERVATIONS:

The reservation of seats in admissions for SC, ST, OBC, EWS categories and for persons with disability (PwD) will be as per Government of India rules. OBC (Non-creamy layer) candidates will have to produce certificate and self-declaration statement as per formats indicated at **Annexure- I and II available on the website: <https://academics.iitp.ac.in/forms/Form-I-II-and-III-for-PhD-Admission.pdf>**

E. FINANCIAL SUPPORT

The Institute assistantships will be available to eligible (Indian) students as per prevailing (MoE, GoI) norms, as applicable from time to time. At present total emoluments are **Rs 37,000/- per month for first two years and Rs. 42,000/- per month for subsequent years (governed as per MoE letter F. No. 32-18/2023-TS-I, dtd. 13.09.2023)**

Assistantships from external funding organizations will be available as per terms and conditions of the concerned funding organizations. Students receiving assistantships from the Institute or fellowships from any other funding agencies are required to perform academic duties as per prevailing norms.

The continuation of the assistantship/fellowship is subject to satisfactory performance of the assigned duties and satisfactory progress of the student in the PhD Programme.

F. WITHDRAWAL POLICY

One should not drop /leave the programme before course completion without valid reasons thereof. Selected candidates shall have to submit an undertaking/declaration at the time of admission for refunding fellowship/assistantship drawn from the institute in case of resignation from the program

G. HEALTH CARE POLICY

Health Services for enrolled students during their tenure will be governed by the terms and conditions of insurance policy procured by them at the time of admission which shall be renewed on yearly basis. OPD inside the institute health center is available for all students in accordance with the institute policy framed from time to time in this matter.

H. ACCOMMODATION POLICY

Institute does not guarantee hostel accommodation inside the campus. However, accommodation may be provided on first come first served basis, subject to availability of vacant rooms in the hostels.

I. APPLICATION PROCEDURE (please go through it very carefully):

Firstly, application fee must be paid before proceeding for online application. The details of application fee are given below:

| Category | Application Fee |
|-------------------------------|------------------------|
| GEN/EWS/OBC-NCL | Rs. 1,000/- |
| SC/ST/PwD/Women / Transgender | Rs. 500/- |

The application fee should be paid online through SBI Collect. Application fee shall not be refunded.

Link for payment: <https://www.onlinesbi.sbi/sbicollect/>

After the payment, a reference/journal number will be generated, which must be mentioned in the application form and the printed e-receipt of payment must be preserved carefully.

Only after the above step and noting down reference/journal number generated through payment, candidates are required to use the following link to fill and submit application form online. Please read complete advertisement very carefully before applying online. To avoid internet congestion, candidates are advised not to wait for the last date of application.

Link for online application (should be accessed after payment of application fee through SBI Collect): https://www.iitp.ac.in/phd_admission/phd_form

- **After successful submission of online application, candidates shall receive application details on their respective registered email address.**
- **The candidates are required to take printout of the application details received in their email after submitting online application. This printout along with self-attested copies of mark sheets & certificates (from class X to highest degree obtained/appeared), caste certificate (if applicable), GATE /NET/relevant certificate related to any fellowship, experience certificate, other testimonials (both sides), and printed e-receipt of online payment must be produced on the day of test/interview, failing which the candidature is liable to be rejected.**
- **Candidates, applying for more than one Department, must submit a separate application with separate payment of application fee. Fresh fee payment is required for each application.**

If any of the prescribed documents (as mentioned above) is not produced on the day of test/interview, then the candidate may not be allowed to attend test/interview.

Please note that depending upon the situation, above documents can be asked any time before the day of interview.

Candidates are NOT required to send application by post.

No call letter will be sent by post. The candidates must check their registered email and Institute website regularly for important information. On the day of test/interview, a candidate must produce her/his valid original Identity card.

J. SELECTION

The Institute reserves the right to call a limited number of candidates for test/interview, based on performance in GATE/NET, grades/marks in the qualifying examination, shortlisting criteria etc. Merely fulfilling minimum eligibility criteria does not guarantee call for test/interview.

Important Dates:

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|---|----------|-----------------------------------|
| Start Date of On-line Application | : | 26/10/2023 |
| Last Date of On-line Application | : | 16/11/2023 (Till 11:59 PM) |
| Issuance of Call Letter by email | : | 27/11/2023 |
| Examination Date Window | : | December 06-12, 2023 |
| Result Release Date (Tentative) | : | 20/12/2023 |
| Issuance of Offer Letter (Tentative) | : | 27/12/2023 |

Helpline: Please note that no correspondence / query shall be entertained regarding correction of

mistakes in the submitted application, details already available in the advertisement and irrelevant matters. First issues/problems should be identified strictly as provided in the following table and use ONLY the concerned link/ email id mentioned against the issues.

| Sl. No. | Issues | |
|----------------|--|--|
| 1. | Technical issues regarding online application | phd_admissions@iitp.ac.in |
| 2. | Academic matter | phd_admissions@iitp.ac.in 06115-233-684/697 |
| 3. | Fee-payment/ SBI collect | arfa@iitp.ac.in 06115-233-062 |

Note: The above information is not the complete set of Rules & Regulations for the PhD programme of IIT Patna.

Legal Jurisdiction: The court at Patna alone shall have the jurisdiction to settle and decide all matters and disputes related to the above referred admission process.