



# भारतीय प्रौद्योगिकी संस्थान पटना

## Indian Institute of Technology, Patna

IITP/ACAD/Ph.D/2022-23/02

Date: 27 /10/2022

### Ph.D. Admission – Jan 2023 (Spring Semester, AY-2022-23)

Applications are invited for admission to the Doctor of Philosophy (Ph.D.) programme, starting in Jan 2023 in the following Departments. The areas of research in IIT Patna are as follows:

<i>Department</i>	<i>Areas of Research</i>
<b><i>Chemical &amp; Biochemical Engineering</i></b>	Ambient pressure NH <sub>3</sub> formation using heterogeneous catalysis Artificial Intelligence in Process system engineering Carbon foot printing Chemical Kinetics and Catalysis Continuous downstream processing CO <sub>2</sub> conversion to Carbon nanotube Crystallization Data driven optimization Energy and Exergy management Food processing Process system engineering Ice-nucleation Microwave Assisted Material Processing Molecular Modeling and Simulation Modelling of viscoelastic flows Phase behaviour of confined fluid Phase change materials Photocatalyst for CO <sub>2</sub> reduction and N <sub>2</sub> fixation Photoelectrochemical processes for clean energy Pinch Analysis Plasma catalysis Process design and optimization Process Integration Production planning Reactive distillation Renewable energy integration Renewable Energy Sources and Their Applications plastic to fuel using renewable energy sources. Robust optimization Scheduling and optimization Separation processes Stochastic optimization Sustainable chemical processing Computational Fluid dynamics Treatment of Pharmaceutical Waste Thermal management of lithium-ion batteries Wastewater Treatment using Advanced Oxidation Processes Wetting and interfacial properties of Ionic Liquid and Deep Eutectic Solvent Ambient pressure NH <sub>3</sub> formation using heterogeneous catalysis

	Artificial Intelligence in Process system engineering
<b>Chemistry</b>	<i>Organic, Inorganic, Physical, Theory, Biochemistry/Biomaterials, Polymer and Materials Chemistry</i>
<b>Civil &amp; Environmental Engineering</b>	<p><b><i>Specialization: Structural Engineering</i></b></p> <p><i>Smart Material for Vibration Control</i>  <i>Structural Engineering</i>  <i>Structural dynamics and earthquake engineering</i>  <i>Structural stability</i>  <i>Structural Fire engineering</i>  <i>Multiscale Multiphysics Modeling and Mechanics of Materials</i>  <i>Strengthening and retrofitting of structures</i></p> <p><b><i>Specialization: Geotechnical Engineering</i></b></p> <p><i>Ground Improvement</i>  <i>Geoenvironmental Engineering and Biogeotechnics</i>  <i>THMC behaviour of unsaturated soil</i>  <i>Energy Geotechnics</i>  <i>CO2 sequestration</i>  <i>Rock Mechanics and Underground Excavations</i>  <i>Geotechnical Earthquake Engineering</i></p> <p><b><i>Specialization: Transportation Engineering</i></b></p> <p><i>Pavement Analysis and Design</i>  <i>Pavement Materials Engineering</i>  <i>Railway Engineering</i>  <i>Traffic Engineering</i>  <i>Traffic flow Theory</i>  <i>Intelligent Transportation Systems</i></p> <p><b><i>Specialization: Environmental Engineering</i></b></p> <p><i>Water and Wastewater Treatment</i>  <i>Waste Treatment and Resource Recovery</i>  <i>E-waste Management</i>  <i>Removal of Micro-plastics and Emerging Contaminants from Aqueous Matrices</i></p> <p><b><i>Specialization: Hydraulics and Water Resources Engineering</i></b></p> <p><i>Open Channel Hydraulics</i>  <i>Geoinformatics application in Water Resources</i>  <i>Surface Water Hydrology</i>  <i>Groundwater flow and contaminant transport</i></p>

**Computer  
Science and  
Engineering**

*All areas including (but not limited to)*  
*802.11 Wireless Network*  
*Adhoc Networks and Sensor Networks*  
*Analog EDA*  
*Big Data Computing*  
*Bioinformatics*  
*Biomedical Imaging*  
*Bio-Text Mining*  
*Blockchain and Smart Contract*  
*CAD for VLSI*  
*Cloud Computing*  
*Cloud Security*  
*Complex Networks*  
*Computational biometrics and forensics*  
*Computer Vision*  
*Consensus in Blockchain*  
*Database & Data Mining Applications*  
*Deep learning*  
*Discrete Event Modeling*  
*Distributed Systems*  
*Empathetic Conversational Artificial Intelligence and Affective Computing*  
*Energy management & Intelligent transportation systems*  
*Fault-Tolerant Computing*  
*Federated Learning*  
*Formal Methods for Analysis and Verification*  
*Hardware Security*  
*Human-Computer Interaction*  
*Image Processing*  
*Information Extraction*  
*Information Systems Security*  
*IoT Security*  
*Machine Learning*  
*Machine learning Security*  
*Malware detection*  
*Medical image analysis*  
*Mobile Social Computing*  
*Modeling of social networks*  
*Multimodal Artificial Intelligence*  
*Multiobjective Optimization*  
*Natural Language Processing*  
*Online Algorithms*  
*Pattern Recognition*  
*Programming Languages*  
*Reinforcement learning*  
*Security & Privacy*  
*Service recommendation*  
*Social Networks*  
*Soft Computing*  
*Text Mining*  
*VLSI Design and Methodologies*  
*Wi-Fi Security, Wireless Networking*  
*Robotic Applications*  
*5G Network Slicing*  
*Swarm Drones*

**Electrical  
Engineering**

*Power Electronics*  
*Electric Drives*  
*Power Systems*  
*Smart Grid*  
*Power System Protection*  
*Power System Stability*  
*Control System*  
*Semiconductor Device and Circuits,*  
*Design and Fabrication*  
*Optoelectronic Devices*  
*Sensor*  
*Solar cell*  
*Photodetectors*  
*Semiconductor Device and Circuits for Low Power and Neuromorphic Computing*  
*VLSI and Embedded System*  
*Radio Frequency Integrated Circuits (RFIC)*  
*Analog Integrated Circuits (AIC)*  
*Wireless Sensor Networks*  
*Internet of Things (IoT)*  
*Molecular Communications*  
*Machine Learning*  
*Deep Learning*  
*Digital Signal Processing*  
*Digital Image Processing*  
*Digital Video Processing*  
*Video Surveillance*  
*Multimedia Communication*  
*Tele-medicine*  
*Biomedical Signal and Image Processing*  
*Neuroscience*  
*Neuro-cognition*  
*Wearable Healthcare Monitoring*  
*mm-Wave Antennas for 5G and Beyond*  
*High Gain Beam Scanning Metasurface Antennas*  
*Digital Metasurface and Applications in 5G and Beyond (IRS)*  
*Metamaterial Absorber for Stealth Application*  
*SDR Based Radar for Detection and Ranging*  
*Wireless Communication*  
*5G and Beyond*  
*6G and Signal Processing for Communication and Wireless Communication*  
*Optical Communication*  
*Photonics for Artificial Intelligence*  
*Optical Fiber based Sensing*

<p><b>Humanities and Social Sciences</b></p>	<p><b>Economics</b>  <i>Macroeconomic Reforms</i>  <i>Trade and investment</i>  <i>Microeconomics</i>  <i>Labour Economics</i>  <i>Development Economics</i></p> <p><b>English</b>  <i>Gender Studies</i>  <i>Indian English Fiction</i>  <i>Migration and Diaspora Studies</i></p> <p><i>Digital Humanities</i></p> <p><i>South Asian Fiction</i></p> <p><b>Linguistics</b>  <i>Sociolinguistics</i>  <i>Cognitive Linguistics</i>  <i>General Linguistics</i>  <i>Forensic Linguistics</i></p> <p><b>Management</b>  <i>Applied Psychology</i>  <i>Human Resource Management</i>  <i>Industrial and Organizational Psychology</i>  <i>Organizational Behavior</i></p>
<p><b>Metallurgical &amp; Materials Engineering</b></p>	<p><i>Plasma Spray Coating, Mechanical Properties of Materials, Friction stir processing and welding, Metal and Ceramic Matrix nano composites, Tribology of Materials, Process-structure-property Relationship, Solid State Chemistry, Materials Chemistry, Nanoparticles for Energy, Structural and Functional Applications, Structure- Property correlation of Dielectric, Ferroelectric, Multiferroic and other energy conversion Materials, Flash sintering of ceramics, Microstructure - property correlation in ceramics, Polymer blends and alloys, Polymer nanocomposites, Nanofillers, Hybrid nanofillers, Carbonaceous nanofillers like carbon dots and graphene</i></p>

**Mathematics**

*Reliability Estimation*

*Survival Analysis*

*Estimation under Censored Data*

*Statistical Inference*

*Numerical Analysis*

*Moving Mesh Methods*

*Singular Perturbation*

*A posteriori Error Estimates*

*ordinary differential equation (ODE)*

*partial differential equation (PDE)*

*Integral Equations*

*Fractional Order Equations*

*Nonlinear Problems*

*Black Scholes Equations*

*Mathematical Finance*

*Nonlinear Programming*

*Vector Variational Inequalities; Differential Manifolds*

*Rings and Modules*

*Algebraic Coding Theory*

*Algorithmic graph theory*

*Theory of Inregral Transforms*

*Monotone Iterative Techniques*

*Non standard Finite difference techniques*

*Existence and Uniqueness of Nonlinear Boundary Value Problems*

*Biomathematics*

*Mathematical sequence design*

*Dynamical Systems*

*Mathematical Control Theory, Optimal Control*

*Polynomial identities on rings, Differential geometry*

**Mechanical  
Engineering**

**Design:**

*Computational Mechanics (FEM/XFEM)  
Condition Monitoring of Gear Box and Bearing  
Continuum Mechanics  
Cyclic Plasticity  
Fatigue and Fracture Mechanics  
Mechatronics  
Micro Electromechanical (MEMs) Devices  
Robotics  
Smart Materials and Devices  
Tribological Machine Element Design  
Vacuum Tribology  
Bio-Medical Device Design, Interfacial Rheology and Tribology  
molecular modelling*

**Manufacturing:**

*Additive Manufacturing  
Advanced Metallic Materials  
Cyber Physical Machine Tools  
Digital Manufacturing  
Finite Element Modeling of the Welding Processes  
Friction Stir Welding/Processing  
Green manufacturing  
In situ Analysis of Manufacturing Processes  
Mechanical Micromachining  
Non-traditional Micromachining  
Sheet Metal Forming  
Surface Engineering*

**Thermal and Fluids:**

*Artificial Intelligence and Machine Learning Tools for Heat Transfer Problems  
Biofluid Dynamics  
Biomicrofluidics  
Biophysical Aerodynamics  
Boiling Heat Transfer  
Bubble Acoustics  
Condensation Heat Transfer  
Computational Fluid Dynamics  
Energy  
Fluid-structure Interaction  
Hydrodynamic Stability  
Hypersonic  
Microfluidics and BIOMENS  
Micro-nanostructured Surface Fabrication  
Rarefied Gas Flows  
Solar Thermal*

<b>Physics</b>	<p><b>Optics and Photonics:</b>  <i>Ultrafast Spectroscopy &amp; Biophysics, Applied Optics (optical signal processing, information security), Digital Holography, Biophotonics, Nano-optics, Nanophotonics, Quantum Optics (Theory + Experiment)</i></p> <p><b>High Energy Physics:</b>  <i>High Energy Physics Phenomenology</i></p> <p><b>Condensed Matter Physics:</b>  <i>Multiferroics, Magnetic materials, Nanostructured materials, Magnetocaloric materials, Electrocaloric materials, Heusler alloys, Solid State Cooling, Nanomaterials for Energy and Sensing, High-Temperature Superconductors, Nanoscale device applications based on atomic switch technology, Renewable Energy Materials &amp; Devices, EMI Shielding, Ferroelectrics &amp; Dielectrics, Organic electronic devices, Nanoelectronics, Spintronics, 2D Materials</i></p> <p><b>Computational atomic Physics:</b>  <i>e-scattering,  photoionization  electronic structure calculation  strong field ionization</i></p>
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**Applicants having external fellowship from recognized Government funding agencies are encouraged to apply.**

**Research area under Visvesvaraya Scheme are as under:**

Name of PhD Programme and Department	Research Areas
<b>DEPARTMENT OF COMPUTER SCIENCE &amp; ENGINEERING</b> (Full Time)	"Blockchain Technology", "Machine Learning and Artificial Intelligence in/for Blockchain", "Analysis and Verification of Blockchain Smart Contracts", "Safety and Security of Blockchain Smart Contracts", "Blockchain Technology for Critical Applications".
<b>DEPARTMENT OF ELECTRICAL ENGINEERING</b> (Full Time)	Intelligent electric vehicle propulsion system with battery health monitoring, diagnosis and quality identification using machine learning and artificial intelligence.



<p><b>DEPARTMENT OF MECHANICAL ENGINEERING</b> (Full Time)</p>	<p>Machine learning and Artificial Intelligence for electronic thermal management, AI Based monitoring and maintenance planning of machining systems, Image-based structural health monitoring using a flying robot (Open for both Mechanical and Electrical discipline); IoT Based Condition Monitoring of Gear Box (Open for both Mechanical and Electrical discipline), Heterogeneous Robotic Swarm (MAV-USV) for Inspection of Littoral Zones in Marine Surveillance (Open for both Mechanical and Electrical discipline), Novel Actuator and Mechanism for Robots</p>
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It is to be noted that, “The 'Visvesvaraya PhD scheme' is reserved for candidates who wish to do their work in Electronic System Design and Manufacturing (ESDM) and IT/IT enabled Services (ITES) research areas.”

More details about the 'Visvesvaraya PhD scheme' can be found at the following URL:  
<https://phd.digitalindiaincorporation.in/assets/documents/Scheme-document-Phase-II.pdf>

## General Terms & Conditions:

### Minimum Eligibility Criteria for Admission to Ph.D. Programme:

In all the disciplines, the upper age limit is 28 years (B.Tech./B.E./M.Sc./MA/MCA/MBA) and 32 years (M.Tech./M.E./M.S./M.Phil.) 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. 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. Upper age limit is relaxed up to 05 years in case of candidate belonging to Schedule Castes/Schedule Tribes, Women, Physically Handicapped and OBC applicants.

#### A.1 Ph.D. in Engineering

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

A.1.1 Candidates having M.Tech./M.E. degree in a Engineering/Technology, with a minimum CPI of 6.5 or 60% of marks.

A.1.2 Bachelor's degree in Engineering/Technology (from any Institute other than IITs) in a relevant area with a minimum CPI of 8.0 or 75% of marks.

A.1.3. Bachelor's degree from an Indian Institute of Technology (IIT) in a relevant area with a minimum CPI of 7.0.

A.1.4. Master's degree in Science in a relevant area with a minimum CPI of 7.5 or 70%.

#### A.2 Ph.D. in Science

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

A.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.

**A.2.2** Master's degree in Engineering/Technology in a relevant area with a minimum CPI of 6.5 or 60% of marks

**A.2.3** Bachelor's degree in Engineering/Technology from an Indian Institute of Technology (IIT) in a relevant area with a minimum CPI of 7.0.

**A.2.4** Bachelor's degree in a related area in Engineering/Technology (from any Institute other than IITs/IISc) in a relevant area with a minimum CPI of 8.0 or 75% of marks.

### **A.3 Ph.D. in Humanities and Social Sciences**

For admission to the Ph.D. Programme in the department of Humanities and Social Sciences (HSS), a candidate must satisfy one of the following criteria:

**A.3.1** M.Phil.or Master's degree in Arts/Commerce/Science in a relevant area with a minimum of 55%marks or equivalent.

**A.3.2** Master's degree in Engineering/Technology/Design in a relevant area with a minimum CPI of 6.5 or 60% marks.

**A.3.3** Bachelor's degree from an Indian Institute of Technology (IIT) in a relevant area with a minimum CPI of 7.0.

**A.3.4** Bachelor's degree in Engineering/Technology (from any Institute other than IITs/IISc) in a relevant area with a minimum CPI of 7.5 or 70% marks.

**Candidates should note that if both CPI/CGPA and percentage are indicated in transcript/marksheet of the qualifying degree then only CPI/CGPA shall be taken into account for determining eligibility.**

### **Direct Admission (Waiver of Entrance Test):**

For candidates in Sciences, Engineering &Technology:

The Institute may admit exceptionally bright students and Full-time (Institute Fellows) directly (i.e., without entrance test) into the Ph.D. program.

Eligible candidates meeting one of the following criteria may be considered for a waiver of the entrance test:

1. B.Tech. from the IITs, graduated within the last five years, with a degree in the respective discipline with a CPI/CGPA of 8/10 and above.
2. Masters from the IITs/IISc, graduated within the last five years, with a degree in the respective discipline with a CPI/CGPA of 8.5/10 and above.

Such a candidate has to apply online. Additionally, an email must be sent with scanned copy of the supporting documents to [aracademic@iitp.ac.in](mailto:aracademic@iitp.ac.in)

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

### **Relaxation for SC/ST Candidates:**

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

### **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 in the website, link <https://www.iitp.ac.in/acad/admission.php>

## 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 31,000/- per month.

**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 Ph.D. Programme.

### Under Visvesvaraya Ph.D Scheme.

For details, please visit:- <https://phd.digitalindiacorporation.in/assets/documents/Scheme-document-Phase-II.pdf>

## CATEGORY OF ADMISSION:

The Institute admits Ph.D. students under the following categories:

### 1.1 REGULAR and FULL-TIME

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

#### 1.1 a) INSTITUTE FELLOWS

S/he receives assistantship from the Institute. The qualifying Degree for Financial Support is:

1.1.1 BE/ BTech/ MSc/ MA/ MBA/ MCA /equivalent degree with valid GATE score above the prescribed cut off level/ NET qualification.

B.Tech from IITs with CGPA 8.0 and above are exempted from GATE qualification as per MHRD (*now MoE*) letter no. 17-2/2014-TS.I dated Feb 18, 2015.

1.1.2 ME/ MTech/ MPhil /equivalent degree with GATE/ NET qualification.

**Age Limit: Please refer to Eligibility Criteria for Admission into Ph.D. Programme**

#### 1.1 b) RESEARCH FELLOWS (JRF/SRF)

S/he receives fellowship from any government recognized funding agencies, such as CSIR, UGC, DBT, NBHM, DST (INSPIRE programme), etc

### 1.2 SPONSORED

A student in this category is sponsored by a recognized industrial R&D organization, academic institution (universities/colleges), government organization (defence or other ministries of the Government of India or any other government organizations including PSUs and autonomous bodies) or reputed industries (as may be recognized by this Institute) for doing research in the Institute. The Institute does not provide any assistantship/fellowship to such a student.

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. A student in this category is therefore a professionally employed person, who pursues Ph.D. 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 in the website, link <https://www.iitp.ac.in/acad/admission.php>**

### 1.3 SELF-FINANCED

A student in this category may work full-time towards the Ph.D. Programme. The Institute does not provide any assistantship/fellowship to such a student. The applicant should have qualified a national level exam (NET/GATE).

### 1.4 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 Ph.D. 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 Ph.D. program. **She/he must have qualified GATE/NET.**

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

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

**Under Visvesvaraya Scheme, only regular and full time candidates will be considered.**

### 1.5 EMPLOYED & PART-TIME

A candidate in this category is a regularly employed person (including the staff of IIT Patna), who pursues the Ph.D. 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 Ph.D. 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 in the website, link <https://www.iitp.ac.in/acad/admission.php>**

#### **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**

#### **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 centre is available for all students in accordance with the institute policy framed from time to time in this matter.**

#### **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 hostel.**

**Research Scholar under Visvesvaraya scheme will be governed by the terms and conditions of Visvesvaraya PhD scheme in accordance with the Implementation Order No.: PhD-02/2022/27 dated 06<sup>th</sup> September, 2022 for financial benefit.**

**APPLICATION PROCEDURE (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	Male	Female
GEN/EWS/OBC-NCL	Rs 1000/-	Rs 500/-
SC/ST/PwD	Rs 500/-	Rs 500/-

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

**Link for payment:** <https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=595859>

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):**

[https://www.iitp.ac.in/phd\\_admission/phd\\_form](https://www.iitp.ac.in/phd_admission/phd_form)

After successful online application, candidates shall receive application details to the registered email address.

**Candidates, applying for more than one department, must submit a separate application with separate fee- payment. Fresh fee payment is required for each application.**

**The candidates are required to take printout of the application details received in 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.**

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

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 email and website regularly for important information. On the day of test/interview, a candidate must produce his/her valid original Identity card.**

**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 and merely fulfilling minimum eligibility criteria does not guarantee call for test/interview.

**Important Dates:****Start Date of On-line Application: 27/10/2022****Last Date of On-line Application: 16/11/2022 ( Till 11:59 PM)**

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

S.N.	Issues	
1	Technical issues regarding online application	<a href="https://forms.gle/ZSXd4K6s8iQ81j7c9">https://forms.gle/ZSXd4K6s8iQ81j7c9</a>
2	Academic matter	acadphd@iitp.ac.in or arademic@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 Ph.D. 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.