राष्ट्रीय प्रौद्योगिकी संस्थान पटना / NATIONAL INSTITUTE OF TECHNOLOGY PATNA
अशोक राजपथ, पटना, बिहार / ASHOK RAJPATH, PATNA – 800 005, BIHAR

शैक्षिक अनुभाग/ACADEMIC SECTION

Ref.: 799/Acad./PG/2026-27 **Date : 23.11.2026**

Ph.D. ADMISSION NOTICE

{Even Semester (Jan-June 2027)}
Academic Session 2026-27

National Institute of Technology Patna invites application for admission to Ph.D. Programme through Institute Admission Test and/or Interview and selection for JRF/SRF positions for externally funded projects currently at NIT Patna.

The applicants seeking admission to the Ph.D. programme shall be classified as under:

Full Time

(i) With Stipend/Scholarship/Assistantship - Funded by NIT Patna

(ii) Full time Sponsored Candidate: Regular Employee of PSU, Government department, R&D organization, Industries of repute, Faculties of the Educational institutions and sponsored defence personnel may be considered for admission as a sponsored full-time research scholar.

The sponsored candidates are exempted from GATE/ NET qualification, but they should possess the minimum entry qualification fixed by the institute as per eligibility criteria for full time candidate selection. These candidates may be exempted from the Screening written test for admission. However, they have to undertake the selection interview for assessment of their knowledge in the field of their research interest.

Sponsored applicants have to submit NOC from their employer and shall be considered against supernumerary seats, and shall not be counted against open seats notified for admission to the program. If sponsored candidates join new job during his/her PhD programme then he/she MUST submit NOC from new employer.

(iii) Candidates with direct financial support from Govt. / Semi Govt. agencies e.g. CSIR, UGC, DST, DAE, etc. may also be considered for admission/treated as a sponsored full-time research scholar.

JRFs/SRFs who fulfill the eligibility criteria and are working in an externally funded research project running in the Institute provided such projects must not have less than One year tenure left on the date of registration in the Programme are eligible for Admission in Ph.D. programme in the respective domain/department.
Such a candidate should submit a No Objection Certificate from the Principal Investigator (PI) of the project. They will be required to attend normal duties assigned to them by the PI of the research project and attend classes to complete the course work requirements. They are also required to continue the work of Research Project till the duration for which they were appointed in the project, failing which their admission in Ph.D. Programme will stand cancelled.

He/she will not be eligible for any Institute Scholarship/Fellowship after completion of research project. Such admission will be taken against supernumerary seats only. Such candidate will be guided by PhD regulation of the Institute. Admission committee of the department will send the recommendation for admission to Dean (Academic). In case, he/she leaves the project during the project duration then his/her admission will be terminated without assigning any reason.

Selection for JRF/SRF

There are sufficient numbers of additional positions for JRF/SRF in externally funded project currently under execution at the Institute. Candidates who fulfill the minimum eligibility criteria will be eligible for selection for JRF/SRF position through interview of this process.

Those candidates who could not qualify the written test exam (screening test) may also appear for JRF/SRF position through interview (Refer admission schedule for Ph.D programme- Even Semester (Jan-June 2027) during the session 2026-27).

Area of Specialization

Departments offering the Ph.D. programmes and their area of specialization can be seen at **ANNEXURE-I.**

Reservations

Reservations for SC/ST/OBC/EWS/PWD are applicable as per GOI norms.

Seat Matrix

The seats vacant for Jan-June 2027 admission cycle (Academic Session 2026-27) in various Departments can be seen at **ANNEXURE – II.**

Eligibility Criteria for Selection

Candidates with following qualification will be eligible for admission to Ph.D. Programme of the Institute:

(i) M. Tech./ M. E./ M. Arch/ M. Planning/M. Design or equivalent degree with at least 6.5 CGPA (in the scale of 10) or 60 percent marks in aggregate from a recognized technical institute or university.
(ii) B.Tech/BE/B.Arch/MCA*/ M. Sc./ M. Com./ MBA/ MA or equivalent degree with First class, if not specifically mentioned by the Institution,

then 60% marks or 6.5 CGPA with a valid GATE/UGC-NET/ CSIR-NET score.

* (*for CSE branch only*)

(iii) The minimum CGPA/ marks percentage shall be relaxed by 0.5 CGPA or 5 percent in case of candidates belonging to the SC/ ST/PwD categories in all cases.

(iv) All Candidates are required to produce a proof of having qualified GATE/UGC-NET/CSIR-NET score card at the time of submission of application form.

(v) The sponsored candidates are exempted from GATE/NET examination.

(vi) The candidates who possess certificates/qualifications from any of the professional societies (such as The Institution of Engineers (India) (IE), The Institution of Civil Engineers (ICE), The Institution of Electronics and Telecommunication Engineers (IETE), The Aeronautical Society of India (AeSI), The Indian Institute of Chemical Engineers, including Polymer and Environmental Group (IIChemE), The Indian Institute of Metals (IIM), The Indian Institute of Industrial Engineers (IIE), etc.) and have enrolled with these institutions with permanent recognition **up to May 31, 2013 may also be eligible to participate**, as per the eligibility criteria mentioned above. However, the candidates who have enrolled with these institutions **after May 31, 2013, are not eligible.**

Admission Procedure and Other Details

Admission to the Ph.D Programme shall be made by the Institute based on minimum eligibility criteria for the programme and selected after evaluation of the candidate in Screening Test and/or selection Interview conducted by the respective Admission Committee.

List of eligible candidates' name for admission to the respective department and programme will be displayed on the Institute website as per admission schedule. No Separate mail will be sent.

Admission Committee of the respective department will conduct screening Test and/or Selection Interview. The final selection will be done after Selection Interview.

The merit list will be prepared based on selection interview only. Admission will be strictly based on merit subject to verification of documents and original certificates.

Assistantship & Financial Assistance for Ph.D. Programme

Institute Research Fellowship/Assistantship will be available to the eligible students as per MoE, GOI norms. The Period and amount of research fellowship shall be as per notification of the competent authority from time to time. **Selected candidate is required to execute an undertaking/ agreement bond mentioning that they will refund the stipend/scholarship/assistantship received from the Institute in the case of leaving the programme without its completion, irrespective of the reasons at his/her end on the prescribed format.**

Note: The scholarships/fellowship/Assistantship from any other agency/ organization are governed by rules and regulation of funding agency only. If

certain rules/regulations are not mentioned then candidates shall be governed by PhD rules/regulation of NIT Patna.

Admission Test details and marks distribution for preparation of merit list:

(i) **There will be Screening Test** consisting of 100 Marks.

(ii) The qualifying Screening test marks is 40% of the full marks of the test for General, EWS and OBC candidate and 35% of the full marks of the test for SC/ST/PwD candidates. **Syllabus for screening test will be as per the Syllabus of GATE/NET Exam of respective discipline.**

(iii) **There will be Selection Interview** consisting of 100 Marks which would be conducted by the Department/ Centre.

(iv) **Interview:** Candidates based on screening test will be shortlisted for the interview, and are required to appear at Interview. Candidate other than Full Time Institute Fellowship category such as with direct financial support from Govt. / Semi Govt. agencies e.g. CSIR, UGC, DST, DAE, etc. / Sponsored/ JRF, SRF working at NIT Patna will be called directly for selection interview. In Selection Interview, his/ her depth of the knowledge in domain/Research subjects and aptitude for research will be tested. Their original documents, academic records and credentials will be verified before the interview. If found not eligible for admission, he/she shall not be permitted to appear at the interview and his/her candidature shall stand cancelled. A candidate recommended for rejection by Interview Board is summarily rejected from admission in the program.

(v) **Merit list:** The merit list shall be prepared by the admission committee based on the Selection Interview Marks and availability of seat. Cut off marks for admission cannot be less than 50% of full marks for Selection Interview. Selected candidates shall be notified on Institute website by the Academic Section.

Fee Structure

The applicable semester fee and breakup and other details are available on the Institute website. First Semester fee at the Admission time (excluding Hostel & Mess Fee) is Rs. 59,750/-.

Documents required for verification during the Screening Test, interview and admission:

(I) The candidates are required to bring any standard Photo I-Card (in original) with a photocopy thereof, such as Aadhaar Card, PAN Card, EPIC, Driving Licence, I-Card issued by their Employer, or any Govt./ Public Sector Organisation etc. at the time of Screening Test.

(II) Original alongwith one set of self-attested documents at the time of interview:

(i) High School Certificate.

(ii) Mark sheets of qualifying examination.

(iii) Character Certificate issued by the Head of the Institution last attended/ from the employer.
(iv) Certificate of sponsorship in the prescribed format (if applicable).
(v) No Objection certificate from parent employer (if applicable).
(vi) Caste Certificate – [For OBC (NCL)/EWS issued on or after **1st April 2026**].
(vii) Downloaded Application form along with proof of on-line payment.
(viii) GATE/NET score card

(III) Documents at the time of admission (If any document(s) are missing, your admission will stand cancelled):
(i) Passport size Photographs (4 Nos.).
(ii) Proof of Payment for admission fee.
(iii) Two set of Self attested copies of all the documents listed at S.No. (II) along with original certificates/documents
(iv) Migration Certificate

Application Procedure :-

(i) All candidates are advised to apply only through online on NIT Patna website http://www.nitp.ac.in. The last date for submission of online application alongwith the payment of online application fees is **28th December 2026 (upto 5:00 PM).** Application fees need to be paid online through Institute website only. **Please note that Application form without payment of applicable fee will not be considered.**

(ii) After submission of online application, applicant should download the printed application for future reference.

(iii) Application fee **(non-refundable)** is of Rs. 1500/- for General/ OBC/ EWS and Rs. 750/- for SC/ ST/ PwD.

(iv) Applicants from SC/ ST/ PwD category must enclose Certificate issued by Competent Authority to claim relaxation in application Fee.

Admission Schedule

Admission Schedule for Ph.D. programme Even Semester (Jan-June 2027) for Academic Session 2026-27 can be seen at **ANNEXURE- III.**

Important Information for Candidates

(i) The admitted candidates shall be governed by the **Ph.D regulations/ordinances of NIT Patna**.

(ii) A candidate can apply online for more than one department, if he/she is eligible for that discipline. However, he/she has to apply separately. Clash of examination is the sole responsibility of the candidate and it will not be entertained.

(iii) A candidate is required to appear for Admission Test and/or Interview separately for all departments at the Institute in physical mode for which he/she has applied.

(iv) Application number allotted to candidates will be used for any future reference.

(v) No separate acknowledgment or call letter will be sent by the institute for attending the Admission Test and Interview at the Institute in physical mode.

(vi) As no separate Admit Card is issued for the admission Test, hence the candidates are to bring a print of their application form along with any standard Photo I-Card (in Original) with a photocopy thereof, such as, Aadhaar Card, PAN Card, EPIC, Driving Licence, I-card issued by their Employer, or any Govt./ Public Sector Organization etc.

(vii) The Candidates reporting without any standard I-Card (in original) as stated above shall not be allowed to appear at admission Test/Selection Interview.

(viii) The Candidates must report in the Institute at least 30 minutes before start of admission Test else they will not be allowed to appear at the written Test**.**

(ix) Sponsored candidate may submit their NOC till admission date.

(x) Candidates are advised to visit the Institute website www.nitp.ac.in for regular updates.

(xi) The name of the short-listed candidates eligible for the Screening test / Interview shall also be displayed on the Institute website only.

(xii) A candidate shall be considered for Screening test / Interview if the result of the qualifying examination is awaited. If selected, such candidates will be allowed to join the programme provisionally. He/she is required to **submit a certificate from their Principal/Registrar stating that the candidate has completed all course requirements for obtaining the qualifying degree for admission in Ph.D Programme, at the time of written examination/ Interview.**

(xiii) The selected candidates are required to report for admission on due date and time. No separate selection letter will be sent to any candidate.

Note: Institute reserves the right to vary the number of seats or cancel the admission process without assigning / informing any reason thereof. The Institute reserves the right to refuse admission to any candidate without assigning any reason. All disputes are subject to Patna High Court only.

❖ *For any query, please contact on: Phone: Office: (0612) 237-1929, 237-0843, Ext. 172; Fax: (0612) 2670631; Email ID: acad.help@nitp.ac.in; mis.help@nitp.ac.in*

Sd/-
[Prof. M.P. Singh]
Dean [Academic]

ANNEXURE-I

Departments	Area of Specialization	Subject of GATE/NET Paper
Electronics and Communication Engineering	RF/Microwave/THz Devices and Circuits, Antenna Engineering, VLSI Design, Analog and Mixed Signal Integrated Circuit Design, FPGA-based System Design, Image/Speech/Biomedical Signal Processing, Artificial Intelligence, Wireless Communication and Networks, Network Security, Quantum Communication, Optical communication, Photonics, Drone/UAV Applications, Wireless Sensor Network (WSN), Internet of Things (IoT), Robotics, Intelligent Control	Gate Paper in EC and IN
Mechanical Engineering	Thermal and Fluids Engineering, Design Engineering, Manufacturing Engineering, Smart Manufacturing, Production Engineering, Industrial Engineering, Aerospace Engineering, Robotics, Applied Mechanics and other sub specializations of Mechanical Engineering	Gate Paper in Mechanical Engineering(ME)/ Production and Industrial Engineering(PI)/ Aerospace Engineering(AE)
Mechatronics and Automation Engineering	Robotics and Intelligent Systems, Drone/UAV Application, Field Robotics, Smart Material and Structure, Sensor and Actuator, Internet of Things, Automation and Control, MEMS, FEA, Computer Integrated Manufacturing, Strength of Materials, CAD/CAM, Smart Additive Manufacturing, Biomechanics, Implant Design, Biomechatronics, AI and Machine learning in Mechatronics System Design, AR/VR in Smart Manufacturing, Digital Twin, Mechatronics Product Design, and other inter-disciplinary research areas.	GATE score in ME, EE, EC, PI, IN, AE, CS, DA, MT, BM, XE, PH, AG
Chemical Science and Technology	**Chemical Sciences**: Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Analytical Chemistry, Material Science & Technology, Nano Technology, Biochemistry, Polymer Science **Chemical Engineering**: Catalysis, Reaction Engineering and Petroleum Refining, Energy storage materials and devices, Environmental Science and Engineering, Fuel cell technology, Nano technology, Heat transfer, Complex fluid, Process control, Wastewater treatment, Colloid and interface science. Material synthesis and characterization, High entropy materials	GATE in Chemistry NET in Chemical Sciences GATE/NET in Life Sciences GATE in Engineering Sciences; GATE in Chemical Engineering
Mathematics and Computing Technology	Analysis, Algebra, Topology, Differential Equations, Numerical Analysis, Fluid Dynamics, Nonlinear Dynamics, Mathematical Biology, Numerical Methods for PDEs, Stochastic Modelling in Biology	GATE/NET-JRF/UGC NET – JRF/ CSIR NET-JRF/Inspire Fellow Mathematics (GATE Paper code: MA) Statistics (GATE Paper code: ST) Mathematical Science (Code :MAS)
Applied Physics and Materials Engineering	**Experimental**: Solid State Physics, Experimental Condensed Matter Physics, Materials Science, Fuel Cells, Ceramic Membranes, Multifunctional Materials, Nano and Bulk Inorganic and Organic Sensing Materials, Biophysics, Thin Films and Optoelectronic Devices, Magnetism in Strongly Correlated Systems, Defect Induced Magnetism by Ion Beam in 2D Materials, Ion Matter Interaction. High temperature deformation, characterization and Finite element simulation, Additive Manufacturing, Atomistic Modelling, Polymer Composites, High Entropy Alloys, Bio-Materials and Dynamic analysis **Theoretical**: Black Hole Physics, String theory, Thermodynamic Information Geometry, Statistical Mechanics, Geometry of Open Quantum Systems	Materials Science [Engineering Sciences with GATE Paper code: XE – (Section C)] Physics (GATE Paper code: PH) Metallurgical Engineering (GATE Paper code: MT); NET in Physical Sciences

Humanities and Social Science	Development Economics/English/Psychology/ Sociology	Gate in Economics/ English/ Psychology/ Sociology NET in Economics/ Management, English, Psychology, Sociology
Architecture and Planning	Architecture, Urban Planning, Rural Planning, Climate change, Regional Planning, Architectural Conservation, Heritage Management, Sustainable Architecture, Structural forms in Architecture, Environmental Planning, Vernacular Architecture, Housing, Healthcare Architecture, Building Science, Landscaping, Urban Design, Construction Management & Technology	Gate Paper in Architecture and Planning (AR), Civil Engineering (CE), Environmental Science and Engineering (ES)
Civil Engineering	Structural Engineering, Geotechnical Engineering, Water Resources Engineering, Transportation Engineering, Environmental Engineering	Gate Paper in Civil Engineering (CE)
Computer Science & Engineering	Artificial Intelligence, Embodied AI, Pattern Recognition, Recommender System, Big Data, Data Mining, Network and Information Security, Multimedia Security, Threat Modelling, Biometric, Social Networks, Computational Geometry, Data Network, Wireless Sensor Networks, Internet of Things (IoT), Bioinformatics, Semantic Web, Natural Language Processing, Cloud Computing, Knowledge Engineering, Software Engineering, Blockchain Technology, Cyber Security, Distributed Systems, Cloud Computing, Fog Computing, Edge Computing, Access Control, Optimization Algorithms, Evolutionary Algorithms, Differential Privacy, Game Theory, Federated Learning, Human-AI interaction, Graph Neural Network, Computational Biology, Quantum Computing, Ad Hoc Network, Vehicular Networks/Technology, Distributed Systems, Autonomous System Optimizations	Gate Paper in Computer Science and Information Technology -(CS); Data Science and Artificial Intelligence-(DA)
Electrical Engineering	Power System, Power Electronics, Electrical Machine & Drives, Electric Vehicle, Renewable Energy, Automation & Control, Instrumentation, Semiconductor Devices, Microelectronics	Gate Paper in Electrical Engineering (EE) and Instrumentation Engineering (IN)

Kindly note:

i) For admission in a particular department under Full Time category, candidate must qualify for GATE/NET in that particular discipline.

ii) Applicants are also allowed to pursue multidisciplinary research work.

iii) For multidisciplinary research, applicant should fill application form for the department in which he/she has GATE/NET score. After selection, a co-supervisor will be allocated to support/collaborate research in the relevant multidisciplinary areas.

iv) The area of specialization mentioned above is indicative and not exhaustive.

ANNEXURE -II

VACANT SEATS FOR JAN-JUNE 2027 ADMISSION CYCLE

Department	Seat Vacant	UR	EWS	OBC-NCL	SC	ST	PH (Horizontal)
Electronics and Communication Engineering	12	6	1	2	2	1	1
Electrical Engineering	12	6	0	3	2	1	0
Computer Science & Engineering	7	5	1	0	0	1	1
Civil Engineering	2	0	0	0	1	1	0
Mechanical Engineering	10	1	2	3	3	1	1
Mechatronics and Automation Engineering	3	1	0	1	1	0	1
Architecture and Planning	3	0	1	1	0	1	0
Mathematics and Computing Technology	2	0	1	1	0	0	0
Applied Physics and Materials Engineering	8	3	0	3	1	1	1
Chemical Science and Technology	6	2	1	1	1	1	0
Humanities and Social Science	1	1	0	0	0	0	0
TOTAL	**66**	**25**	**7**	**15**	**11**	**8**	**5**

**Seats vacant are tentative and may vary at the time of admission.*

ANNEXURE - III

Admission Activities	Important dates
Last date of online fee payment and last date of online application	**28th December 2026 (upto 5:00 PM)**
Display of list of eligible candidates for Admission Test on Institute' website	29th December 2026
Admission Test	**5th January 2027**
Result of Written Admission Test	5th January 2027
Interview for eligible candidates	6th -7th January 2027
Merit list of selected candidates	8th January 2027
Admission and Registration in 1st Semester	11th January 2027
Commencement of Classes	12th January 2027