



NATIONAL INSTITUTE OF TECHNOLOGY PATNA

Ashok Raj Path, PATNA 800 005 (Bihar), India

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Ref No. NITP/

Dated

ADMISSION NOTICE for Ph. D Program: Autumn (Odd) Semester 2014-15

National Institute of Technology Patna **invites applications for admission to Ph. D Program for Selection through Institute Admission Test and Interview during Autumn (Odd) Semester - Session 2014-15** in the following departments as detailed below:

Departments	Doctoral Program: Area of Specialization	Tentative Seats
1. Architecture	Rural/ Urban/ Metropolitan Planning, Architecture Conservation, Remote Sensing & GIS, Disaster Resistant Architecture & Sustainable Development, Transportation & Infrastructure Planning , Building Science & Technology/ Construction Management	5
2. Civil Engineering	Structural Engineering, Disaster Management, Geotechnical Engineering (Soil Stabilization), Water Resources Engineering (IWM, Land Drainage & Flood Control, Hydraulics & Water Resources Engineering, Transportation Engineering, Environmental Engineering, Water and Waste Water treatment	14
3. Computer Science & Engineering and Information Technology	Data Networking, Security, Web Technology, E-Learning, Database System	6
4. Electrical Engineering	Power System, Control System, Power Electronics, Electric Drives Control	8
5. Electronics and Communication Engineering	Microwave Engineering, Optical Communication and Systems, Communication Systems and Networking, and Signal Processing.	8
6. Mechanical Engineering	Thermal & Fluids Engineering, Manufacturing Process& Industrial Engineering & Management, CAD/ CAM & Robotics	9
7. Chemistry	Organic & Inorganic Chemistry	8
8. Humanities and Social Science	English and Economics Only	6
9. Mathematics	Topological Group, Modern Algebra, Numerical Analysis, Group Theory, Theory of Reliability, Hydro- mechanics, Solid Mechanics, Partial Differential Equation.	4
10. Physics	Solid State Physics, Few Body System in Nuclear Physics	3

Candidates shall be admitted the program under following category:

- (i) **Full Time Regular:** A student in this category works full-time for his/ her Ph. D. degree. He/ She receives assistantship from the Institute or fellowship from CSIR/ UGC or any other recognized funding agency. (Candidate must have Valid GATE/ NET Score for MHRD scholarship as per rules notified time to time).
- (ii) **Full Time Sponsored:** A candidate in this category is sponsored by recognized R&D organization, academic institution, government organization or industry for doing research in the Institute on full-time basis. He/ she must be a regular employee of the sponsoring organization with at least **one year of professional experience** in relevant field. The Institute does not provide any assistantship/ fellowship to such candidate.

ELIGIBILITY CRITERIA FOR SELECTION

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

For Engineering, Technology and Architecture Departments:

- (a) Candidates possessing **M. Tech./ M. E./ M. Sc. (Engg.)/ M. Arch or equivalent Degree in relevant branch** from a recognized University/ Institute **with minimum 70% marks (or a CGPA of 7.0 in 10 point scale)** in the qualifying examination shall be considered for admission in the departments as per their Specialization only.
- (b) Candidates possessing **B. Tech./ B. E./ B. Sc. (Engg.)/ B. Arch or equivalent Degree in relevant branch** from a recognized University/ Institute with **minimum 80% marks (or a CGPA of 8.0 in 10 point scale) in all (from 10th onward) examinations including qualifying examination** may be considered in **exceptional cases** after approval of DRC. Such candidates **must have professional/ research experience of at least ten years** in reputed Institutions/ Organizations.

For Science Departments:

Candidates possessing **Master's Degree in the area of Science** from a recognized University/ Institute **with minimum 60% marks (or a CGPA of 6.0 in 10 point scale)** in the qualifying examinations shall be considered for admission in the departments as per their Specialization only.

For Humanities & Social Science Departments¹:

Candidates possessing **Master's Degree in the area of English or Economics** from a recognized University/ Institute **with minimum 55% marks (or a CGPA of 5.5 in 10 point scale)** in the qualifying examinations shall be considered for admission in the departments as per their Specialization only.

Admission Procedure and Other Details:

Admission for **Ph. D Program** through **Institute admission Test and Interview** as detailed below shall be based on merit as decided on overall academic performance, written examination and followed by interview.

Candidates' name with application Number, fulfilling minimum eligible criterion for admission to the respective department and program will be displayed on the Institute website as per admission schedule.

The written examination/ interview will be conducted by the Examination section and Admission Committee of respective department in association with experts from respective departments.

Admission shall be based on merit prepared after written test and Interview as detailed below, and subject to verification of documents, original certificates.

Important Information for all Candidates

- i) Any candidate may **apply online for any one department, even if eligibility from multiple disciplines/ specialisations** at Bachelor's/ Master's level may be considered for admission to any program.
- ii) A candidate is required to appear for Admission Test and Interview for **only that department for which he/ she has applied**.
- iii) **Application number allotted to each candidate will be their Roll No. for any future reference.**
- iv) **No separate acknowledgment or call letter will be sent by the institute for attending the Admission Test/ Interview/ Counselling.**

¹ Vide amendment approved, reference minutes of 12th Senate meeting held on 23.01.2013 Annexure - B

- v) **No separate Admit Card will be issued for the admission Test, hence the candidates are directed to bring any standard Photo I-Card (in Original) with a photocopy thereof such as PAN Card, EPIC, Driving License, I-card issued by their Employer, or any Govt./ Public Sector Organization etc.**
- vi) **Candidates reporting without any slandered I-Card (in original) as stated above shall not be allowed to appear at admission Test.**
- vii) 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.
- viii) Candidates are advised to visit the Institute website www.nitp.ac.in for regular update.
- ix) The name of the short listed candidates shall also be displayed on the Institute website.
- x) The candidates whose application has been rejected on any ground may immediately contact by email admission@nitp.ac.in or submitting application with sufficient details/ justification to the Academic Section.
- xi) A candidate shall be **considered for written examination/ interview even if the result of the qualify examination is awaited.** If selected, such candidates will be allowed to join the programme provisionally, only if he/ she **submit a certificate on the date of written examination/ interview from the Principal/ Registrar of his/ her College/ Institute stating that the candidate has completed all course requirements for obtaining the qualifying degree on the date of the issue of the certificate.** However, mark sheet of qualifying examination with requisite marks or equivalent CGPA must be submitted to the office of Dean (Academics) on or **before the admission, failing which will lead to cancellation of admission.**
- xii) **Admission Written Test questions:**
- Admission Written Test will be of **full marks 100** and of **two hours duration.**
 - Syllabus for the admission Test shall be as per GATE/ NET 2014 examination for respective department/ specialization.**
 - Written Admission Test shall have **Objective Type multiple choice/ option type questions only.** The question paper shall have 25% questions to test candidate's general analytic ability and aptitude to undertake research and 75% shall be from General Engineering/ Technology/ Science/ Humanities (as per respective department's Specializations) to test the Knowledge in the field/ Specializations in which candidate desires to get admitted.
 - The Objective question shall have negative marking. For each wrong answer ¼th of the marks allotted for that question shall be deducted.**
 - Question paper for admission test for Ph. D program shall be different for each department.
 - Selection in Computer Sc. & Engineering and Information Technology department(s) shall be done by Common admission Test, and interview shall be conducted by common board of expert(s).** However question papers for Ph. D program will be different in admission test.
- xiii) **Interview: Candidates who appear at Admission Test are also required to appear at selection interview.** Further candidates are required to produce original documents for verification of their academic records and credentials before the interview. If they do not fulfil minimum eligibility criteria for the program, he/she shall not be permitted to appear at interview and his/her candidature shall stand cancelled.
- xiv) **Admission Merit list: Candidates securing minimum 50% over all marks in Academic record, written Test and Interview shall only be considered for admission to the program.** However merit list of all candidates appeared at written test shall be notified on Institute website.
- The selected candidates are required to report for admission by due date and time. No separate selection letter will be sent to any candidate.
- xv) No extension of time for admission reporting shall be allowed. If any candidate does not report for admission by due date, then his/ her selection shall stand cancelled and the seat will be given to the next candidate from the waiting list.

- xvi) In case of sponsored candidate, an advance copy of the application may be sent by the candidate and NO OBJECTION CERTIFICATE must be submitted by the candidate at the time of interview.

Admission Test details and marks distribution for preparation of merit list

Ph. D Program (All Categories) Admission Weightage Details:					
		For Master's Degree		For Bachelor's Degree in Engg./ Tech./ Arch	
(i)	Overall academic performance	50%	FM: 70	50%	FM: 50
	Matriculation (10 th)		5		10
	Intermediate (12 th)		5		10
	Bachelor's Degree		10		10
	Master's Degree		20		--
	GATE Score		10		20
(ii)	Written Test	50%	FM: 30	50%	FM: 30
(iii)	Interview		FM: 20		FM: 20
(iv)	Duration for Written Test	Admission Test / written examination will be for two (2) Hrs. duration From 10.00 AM to 12.00 Noon.			
(v)	Full Marks and Minimum cut-off marks in written Test	Merit list for Selection will be done only for Score above 60%			

Scholarship & Financial Assistance for Ph. D. Program:

Candidates admitted to Ph. D Program under full time category shall as per eligibility for scholarship of the Ministry of HRD Govt. of India. However Sponsored category candidates are not eligible for any Scholarship/ assistantship etc.

The candidates admitted to Ph. D. program during session 2014-15 shall be eligible for scholarship of MHRD, if the candidate in

- i. Science and humanities department have Master's degree in relevant branch with Valid GATE/NET Score and
- ii. Engineering/ Technology and Planning departments/ program, have Master's degree in relevant branch and had been admitted to master's program based on GATE Score or are having Valid GATE score on the date of application.

Financial Assistance under TEQUIP (equivalent to MHRD) to Doctoral candidates admitted to Doctoral Program, who do not have valid GATE Score or had not been admitted to Master's Degree based on GATE Score (i.e. on only % marks of Bachelor's Degree) shall be awarded scholarship equivalent to MHRD as per provisions under TEQUIP.

Documents required for verification during Interview:

- (i) The candidates are required to bring following documents at the time of written Examination/ interview:
 - a. High School Certificate in original.
 - b. Mark sheets of qualifying examination in original.
 - c. Character Certificate issued by the Head of the Institution last attended/ from employer.
 - d. Certificate of sponsorship in the prescribed format (if applicable).
 - e. No. Objection certificate from employer (if applicable).
- (ii) The candidates are required to bring following documents at the time of admission:
 - a. Passport size Photographs (4 Nos.).
 - b. Two set of Self attested copies of all the above documents listed above.
 - c. Admission letter if any issued by the Institute/ verified document/ Admit Card used for Admission Test.

Note: The Institute reserves the right to refuse admission to any candidate without assigning any reason. All disputes are subject to Patna High Court only.

Fee Structure:

Program	1 st Semester: During Admission	Autumn (Odd) Semester: 3 rd , 5 th	Spring (Even) Semester: 2 nd , 4 th , 6 th
Ph. D. Regular	27,850/-	10,250/-	8,650/- #
Ph. D. Self-Finance	27,850/-	10,250/-	8,650/- #

The Thesis evaluation fee after approval of DRC is Rs. 2000/- to be deposited alongwith the thesis separately.

Application Procedure

1. Application must be submitted ONLINE through our website (<http://www.nitp.ac.in>).
2. After Submitting the application online, the same is to be downloaded and the signed hard-copy along with recent photograph and self-attested relevant certificates, document and Statement of Purpose must be sent to the following address **on or before the last date of submission**.
3. Application fee of **Rs. 1000/- for General/ OBC/ Sponsored** category and Rs. **500/-** for SC/ ST/ PH in the form of DD drawn in favour of **National Institute of Technology Patna Payable at Patna**, must accompany with the Hard copy of the online application submitted as stated above, else application shall be rejected.
4. **Applicants from SC/ ST/ PH category must enclose Certificate issued by competent authority to claim relaxation in application Fee.**

Admission Schedule for Ph. D Program – Autumn (Odd) Semester – 2014-15

S. No.	Admission Activities	Important dates	Days
1.	Starting of online application process	25 th April 2014	Friday
2.	Closing of online application submission	26 th May 2014 up to 5.00 PM	Monday
3.	List of eligible candidates for Admission Test	5 th June 2014	Thursday
4.	Admission Test	20 th June 2014 from 10.00 AM to 12.00 Noon	Friday
	Result of Written Admission Test	20 th June 2014 by 5.00 PM	Friday
	Interview for eligible candidates	21 st June & 22 nd June 2014	Saturday & Sunday
5.	Merit list of selected candidates	25 th June 2014	Wednesday
6.	Admission	7 th July 2014	Monday
7.	Academic activities Details		
8.	Registration in 1 st Semester	21 st July 2014	Monday
9.	Commencement of Classes	22 nd July 2014	Tuesday

Address to Send Application

Professor In Charge (Admission),
National Institute of Technology Patna
Ashok Rajpath, PATNA – 800005 (Bihar)

Phone: Office: (0612) 237-1929, 237-0843, Ext. 247, 263, 108; Fax: (0612) 2670631

Institute Web Site: www.nitp.ac.in

Emil ID: admission@nitp.ac.in

Dean (Academic)