



National Institute of Technology Patna

(An Institute under Ministry of HRD, Govt. of India)

Ashok Raj Path, Patna - 800 005 (Bihar)

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(ACADEMICS SECTION)

Ref. 137/ Acad./16-17

Date: 28/06/2016

ADMISSION NOTICE

ADMISSION NOTICE for Ph. D Programme – Odd Semester (July-Dec 2016) during the session 2016-17

National Institute of Technology Patna invites application for admission to Ph. D Programme for Selection through Institute Admission Test and Interview during odd Semester (July-Dec) for the Session 2016-17 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	04
2. Civil Engineering	Structural Engineering, Transportation Engineering, Water Resource Engineering, Water Resources Engineering, Environmental Engineering, Geotechnical Engineering,	21
3. Computer Science & Engineering and Information Technology	Data Networking, E-Learning Systems, Database Systems, Semantic Web, Adhoc & Sensor Network, Digital Forensic, Social Networks, Data Mining, Big Data Analytics, Software Engineering, High Performance Computing Algorithms, Computational Geometry, Artificial Intelligence, Bioinformatics, Information Security, Cloud Computing, Natural Language Processing	10
4. Electrical Engineering	Power System, Control System, Power Electronics, Electric Drives Control.	05
5. Electronics and Communication Engineering	Optical Communication & Photonics, Microelectronics & VLSI Circuit Design, Signal Processing, Wireless Communication, Microwave and millimeter-wave antennas & circuits	13
6. Mechanical Engineering	Thermal & Fluid Engineering, Manufacturing Process & Industrial Engineering, CAD/ CAM & Robotics,	11
7. Chemistry	Physical, Organic and Inorganic Chemistry.	09
8. Humanities and Social Science	English, Economics, psychology and Human Resource Management	05

9. Mathematics	Topological Group, Modern Algebra, Numerical Analysis, Group Theory, Theory of Reliability, Hydro-Mechanics, Solid Mechanics, Partial Differential Equations.	08
10. Physics	Solid State Physics, Few Body Systems in Nuclear Physics.	13

CATAGORIES

Candidates with following qualifications shall be eligible for admission to the Full- Time Ph. D. Programme of the Institute. Part-time Programme is only applicable for the internal Candidates who are working as a regular/contractual employee at NIT Patna.

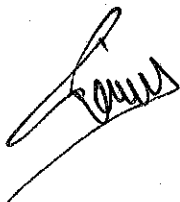
The applicants seeking admission to the Ph.D. programme shall be classified under any one of the following categories.

- Research student/Candidate getting Institute MHRD assistantship.
- Research student/Candidate including foreign nationals getting financial support from Govt. / Semi Govt. agencies (QIP, CSIR, UGC, NET, DAE, DST, DBT, NBHM, ICCR; ICAR, ICMR, GPAT, NDF, INSPIRE etc.)
- Research student/candidate regularly working full time in an R & D project at NIT Patna.
- An employee of PSU, Government department, Research/Development organization, Private industry, Education institution and sponsored defence officer with a minimum relevant experience of 2 years, may be considered for admission as a sponsored full time research scholar.
- Sponsored applicants will be eligible for admission provided that they are treated by their employers as ON DUTY with their normal salary allowances and are fully relieved from their organisation / institute for the period of study till the completion of Ph.D. program at this institute.
- The applicant should possess the minimum entry qualification for the degree as given in "**ELIGIBILITY CRITERIA FOR SELECTION FOR THE FULL-TIME CANDIDATES**" given below. However the sponsored candidates are exempted from GATE/NET qualification.
- For the employee of NIT Patna having service less than two years at NIT Patna, the qualification of GATE/NET is mandatory for them. Those who have completed two years of regular service and confirmed are exempted from GATE/NET provided they fulfil the eligibility criteria.

ELIGIBILITY CRITERIA FOR SELECTION FOR THE FULL-TIME CANDIDATES

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

- M. Tech./ M.E./ M. Arch or equivalent degree in relevant discipline with at least 6.5 CGPA or 60 percent marks in aggregate from a recognized technical institute or university.
- M. Sc./ M. Com./ MBA/ PGDBM/ PGDM/ MA or equivalent degree in relevant discipline with at least 6.0 CGPA or 55 percent marks or equivalent in aggregate from a recognized institute or university.




- iii) B. Tech/ B.E./ B. Arch or equivalent degree in relevant discipline with at least 8.5 CGPA (or 80 per cent) marks in aggregate from a recognized technical institute or university.
- iv) A valid GATE score/ NET qualification is mandatory for all candidates.
- v) Candidates having their own fellowship from CSIR/UGC/DST/DRDO/other relevant national funding agencies obtained through NET or equivalent national examinations may be exempted from the written test examination and may be directly called for the interview.
- vi) The minimum CGPA/marks shall be relaxed by 0.5 CGPA or 5 percent in case of candidates belonging to the SC/ST categories in all cases.

Admission Procedure and Other Details:

Admissions for **Ph.D** programme through **Institute admission Test and/or Interview** detailed below shall be based on merit decided on overall academic performance, written examination followed by Interview.

Candidates' name with application number, fulfilling minimum eligibility criterion for admission to the respective department and programme 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, subject to verification of documents, original certificates.

Important Information for Candidates

- i) Any candidate may apply online for **any one department, even if eligible for many disciplines/ specialisations** owing to his/her degree at Bachelor's/ Master's level.
- ii) A candidate is required to appear for Admission Test and Interview for **the only 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.**
- 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 standard 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 updates.
- ix) The name of the short listed candidates eligible for the Interview shall also be displayed on the Institute website.
- x) A candidate shall be considered for written examination / Interview even 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.*



However, provisional degree certificate and marks sheet of qualifying examination must be submitted to the office of Dean (Academics) on or before the admission, otherwise admission will be cancelled.

xi) Admission Written Test questions:

- a. Admission Written Test will be objective and multiple choice. There will be 100 questions having 6 marks each. The Objective question shall have negative marking. For each right answer 6 marks will be awarded and for each wrong answer 2 will be deducted.
- b. Syllabus for the admission Test shall be as per GATE/ NET 2016 examination for respective department/ specialization.
- c. The 25% questions are to test candidate's general analytic ability and aptitude to undertake research and 75% shall be from relevant discipline.

Xii) Interview: Candidates selected in Admission Test are shortlisted for the interview, and are required to appear at viva-voce exam. 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.

Xiii) Merit list: The merit list of the selected candidates shall be notified on Institute website.

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

xv) Extension of time for admission reporting shall not be allowed. If a candidate fails to report for admission by the due date, his/ her admission is cancelled and the seat allotted to him/her will go to the next candidate in the merit 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 test/interview for full tenure of Ph. D program (completion of Ph. D Program). Without NOC the candidature will not be considered.

Admission Test details and marks distribution for preparation of merit list

Shortlisted candidates can be selected for admission from the merit list prepared by the Institute on following weightage according to existing vacancy likely to be increased / decreased in future):

Ph. D Program (All Categories) Admission Weightage Details					
		For Master's Degree		For Bachelor's Degree	
	Overall Academic Performance	30%	FM:300	30%	FM:300
(i)	Matriculation (10 th)		50		100
	Intermediate (12 th)		50		100
	Bachelor's Degree		100		100
	Master's Degree		100		100
(ii)	Written Test	60%	FM: 600*	60%	FM: 600*
(iii)	Interview	10%	FM:100	10%	FM:100
	* Cut-off marks in written Test	30% marks in the written test must be obtained in order to be eligible for appearing at the interview:			

Scholarship & Financial Assistance for Ph. D. Programme:

Institute Research Fellowship will be available to the eligible students as per MHRD, GOI norms. The period and amount of research fellowship shall be as per notification of the competent authority from time to time.

Note: The scholarships from any other agency/ organization are governed by rules and regulation of funding agency only, and students shall be governed by their rules only.

Documents required to be submitted along with the downloaded application form

The candidates are required to submit following documents along with the application form:

- a. Photocopy of High School Certificate
- b. Photocopies of all Mark sheets
- c. Certificate of sponsorship in the prescribed format (if applicable).
- d. A photocopy of GATE/NET or equivalent score card
- e. A photocopy of the certificate of Caste (if applicable).

Documents required for verification during the interview and admission

- (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 parent 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 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	All intermediate Semester	Last Semester
Ph. D. Regular*	27,850/-**	Rs. 10,250/-**	Rs. 8,650/-**
Ph. D. Self-Finance*	27,850/-**	Rs. 10,250/-**	Rs. 8,650/-**

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

**Detailed of the Fee structure is placed in Annexure-I.

25/6/16

Application Procedure

1. All candidates are advised to apply only through online on NIT Patna website <http://www.nitp.ac.in>.
2. After submission of online application, applicant should download the printed application and send alongwith the required documents & DD to the address given below on or before 18th July 2016 by speed/registered post. Application by hand will not be entertained.
3. Application fee of Rs. 1500/- for General/ OBC/ Sponsored category and Rs. 750/- 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 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 –Odd Semester (Jan-June 2016) during the session 2016-17

S. No.	Admission Activities	Important dates	Days
1.	The date of advertisement	28 th June 2016	Tuesday
2.	Last date of online application	10 th July 2016 up to 5.00 PM	Sunday
3.	Last date for submission of Hard Copy of downloaded application alongwith DD and testimonies	18 th July 2016 at 5:00 PM	Monday
4.	Display of list of eligible candidates for Admission Test	29 th July 2016	Friday
5.	Admission Test	5 th August 2016 10.00 AM to 12.00 Noon	Friday
	Result of Written Admission Test	5 th August 2016 by 6.30 PM	Friday
	Interview for eligible candidates	6 th & 7 th August 2016 09.30 AM onwards	Saturday and Sunday
6.	Merit list of selected candidates	16 th August 2016	Tuesday
7.	Admission and Registration in 1 st Semester	24 th & 26 th August 2016	Wednesday & Friday
8.	Commencement of Classes	29 th August 2016	Monday

Postal Address for applications submission:

Assistant Registrar (Academics)

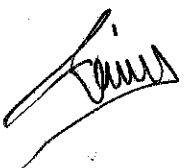
National Institute of Technology Patna

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 Email ID: admission@nitp.ac.in

Dean (Academics)



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Ashok Raj Path, Patna-800 005 (Bihar)

Phone No. 0512-2670631, 2370843, 23711930, 2371716, 2372715, 2371929, 2370619 Tele fax-0512-2670631

Website address-www.nitp.ac.in

Email address- director@nitp.ac.in, registrar@nitp.ac.in

Ref: NITP/114/14

Date: 04.4.14

NOTIFICATION

In pursuance of the decision taken in the 7th meeting of NITs Council held on 18.10.2013, the fee structure of Ph.D. Programme of the Institute for the students admitted during the academic session 2014-15 is revised as under:-

Sr. No.	Description	Ph.D. Revised Fee Structure session 2014-15	All Intermediate Semester	Last Semester
1	Tuition Fee	7500.00	7500.00	7500.00
2	Registration Fee	500.00	500.00	500.00
3	Examination Fee	650.00	650.00	650.00#
4	Student Activity Fee	1000.00	1000.00	Nil
5	Medical Insurance Fee	600.00	600.00	Nil
6	Development Fee	15000.00	Nil	Nil
7	Institute Caution Money (Refundable)	2000.00	Nil	Nil
8	Admission processing fee of NIT Patna	500.00	Nil	Nil
9	Identity card fee	100.00	Nil	Nil
10	Total	27850.00	10250.00	8650.00

#The Thesis evaluation fee of Rs.2000/- to be deposited at the time of submission of thesis after DRC approval.

The fee structure for the students admitted before the academic session 2014-15 will remain the same as notified earlier vide Notice No. NITP/1785/Acad. dated 01.01.2014.

Vidya Sagar
4.4.14

(Prof. Vidya Sagar)
Registrar