



**NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR
JAMSHEDPUR-831014, JHARKHAND**

(An Institution of National Importance under MHRD, Government of India)

Advertisement No: NITJSR/ACD/Ph.D (TEQIP-III)/ 2018-19/344

Date: 13/07/2018

**Admission to sponsored Part-Time Ph.D enrolment Programme for
temporary faculty members engaged under NPIU/TEQIP III**

With reference to the letter No. NPIU/TEQIP-III/Acad/442, Dt. 05-06-2018 from NPIU/MHRD, regarding sponsored Ph.D enrolment for faculty members from TEQIP funded Institutions, duly forwarded applications are invited from faculty members engaged under NPIU/TEQIP III to apply for Ph.D programme at various Departments of NIT Jamshedpur for the Autumn Semester of 2018-19.

The detailed information brochure and online application form are available on Institute website: www.nitjsr.ac.in.

The hard copy of the filled in online application form along with self attested documents, proof of payment of application fee, NOC from employer Institution, letter of consent from the joint supervisor (if any) and application fee receipt are to be sent (by speed post) to the following address on or before 31/07/2018..

Dean (Academic)
National Institute of Technology Jamshedpur
Jamshedpur - 831 014, Jharkhand, India



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INFORMATION BROCHURE

1. About the Institute

National Institute of Technology Jamshedpur is one of the Institute of National Importance for Technical Education in India. This was formerly known as Regional Institute of Technology Jamshedpur. National Institute of Technology (NIT) Jamshedpur is an Institution of National Importance set up by an Act of Parliament (Act 29 of 2007) namely, the National Institutes of Technology Act, 2007, which received the assent of the President of India on the 5th June, 2007. The provision of the Act has come into force with effect from 15th August, 2007 as per Notification S.O.1384 (E) dated 9th August, 2007 of the MHRD (Department of Higher Education), New Delhi. As per the provision of the said Act, this Institution runs on non profitable basis. NIT Jamshedpur offers academic programmes: B. Tech. (Hons.), M. Tech., MCA and Ph.D. in the various disciplines. NIT Jamshedpur has well qualified faculty and dedicated supporting staff.

2. Admission to Sponsored Ph.D. Programme for Autumn Semester 2018-19 under NPIU/TEQIP-III

With reference to the letter No. NPIU/TEQIP-III/Acad/442, Dt. 05-06-2018 from NPIU/MHRD, regarding sponsored Ph.D enrolment for faculty members from TEQIP funded Institutions, duly forwarded applications are invited from faculty members engaged under NPIU/TEQIP III to apply for Ph.D programme at various Departments of NIT Jamshedpur for the Autumn Semester of 2018-19.

2.1 Name of the Departments offering the Ph.D. Programme and Research Areas

Sl. No.	Name of the Department	Research Areas
1	Civil Engineering	Structural Engineering, Concrete Technology, Earthquake Engineering, Geotechnical Engineering, Vibration and Stability, Stability Analysis, Foundation Engineering, Ground Improvement,, Reinforced Earth, Transportation Engineering, Water Resources Engineering, Open Channel Hydraulics, Surface and Groundwater Hydrology, Environmental Engineering
2	Computer Science and Engineering	Image Processing, Comp Networks, Network Security, Software Engineering, Database analysis etc.
3	Electrical and Electronics Engineering	Control Systems, Power Systems, Power Electronics, Power System Protection, Renewable Energy Systems, Electrical Machines and Drives
4	Electronics and Communication Engineering	Industrial Control Systems, Non-conventional Power Generation, Instrumentation and Control Systems, VLSI and Embedded systems, Communication Systems
5	Manufacturing Engineering	Manufacturing processes; Manufacturing management; Product design and development; CAD/CAM; Rapid prototype and Reverse engineering; Industrial engineering and management; Manufacturing Systems Engineering; Lean Manufacturing; Toyota Production system; Sustainable manufacturing

Contd..

6	Mechanical Engineering	Solar Energy, I.C Engines, Gas Turbines, Power Plants, Combined Cycle, Energy Systems, Heat & Mass Transfer, Mechanism, CFD, Integrated Energy Systems, Fluid Flow, Thermal Engineering, Renewable Energy, Machine Design, CAD /CAM, Value Engineering, TPM and TQM, Refrigeration and Air- Conditioning, Vibration, Composite Materials, Process Integration, Pinch Technology, Thermodynamics of Energy Systems.
7	Metallurgical and Materials Engineering	Process Metallurgy, Corrosion Engineering, Phase Transformation, Structure–Property Relationship, Physical Metallurgy, Iron and Steel making, Extractive Metallurgy, Mechanical Metallurgy, Fatigue, Fracture and Failure Analysis, Geology, Mineral Beneficiation, Bio-hydro Metallurgy, Bio-technology, Metallic Gas, Nanotechnology, Hydro Metallurgy
8	Physics	Laser Applications, Nuclear Physics
9	Chemistry	Surface Science, Environmental Chemistry, Waste Disposal Management, Physical Chemistry, Analytical Chemistry, Surface Chemistry, Materials Science, Aerosol, Atmospheric Chemistry, Organic Chemistry.
10	Mathematics	Operation Research, Statistics, Multivariate Polynomial System, Numerical Analysis, Fractional Calculus, Integrated Equations.
11	Humanities, Social Sciences and Management	American Literature, English Literature, Indian Writing in English

2.2 Qualification for Eligibility

Master Degree in relevant branch of Engineering/Technology or relevant subjects with minimum 60% marks or equivalent CPI 6.5

3.0 Selection Procedure

The selection procedure for admission to Ph.D. Programme is based on consistently good academic record throughout and test and/or interview performance.

4.0 How to Apply

- The online application form and the information brochure for admission to Ph.D. programme are available on Institute website: www.nitjsr.ac.in
- The online application form of the candidate will be acceptable only when he has registered himself, filled application form and paid on-line requisite fee (SBI i-collect)
- Registration fee is Rs. 1,000/- for OPEN/OBC candidates and Rs. 500/- in case of SC/ST candidates
- The candidates are required to submit the letter of consent from the joint supervisor (if any) who should be a regular faculty member of the host Institution and from the relevant discipline.
- The candidates must submit **NO OBJECTION CERTIFICATE** in the prescribed format (Annexure-I) from their respective TEQIP Institutions without which admission will not be possible

Check the following documents are attached to the application form:

- Proof of Payment
 - Self-attested copy of SSC in support of Date of Birth
 - Self-attested copy of intermediate /(10+2) Certificate
- Self-attested copies of Degree certificates and Mark Memos of the all qualifying examinations
- Self-attested copy of the caste certificate (in case of SC/ST candidates)
- Consent letter of the joint supervisor (if any)
- No objection certificate issued by the competent authority in the prescribed format (Annexure –I)
- Brief biographical profile of the candidate

5.0 Important Dates

Advertisement in Institute website	13/07/2018 (Friday)
Last date for receipt of application forms	31/07/2018 (Tuesday)
Intimation regarding interview call to be posted / uploaded on institute website	07/08/2018 (Tuesday)
Date of test/interview at NIT Jamshedpur	13/08/2018 (Monday)
Date of announcement of results	17/08/2018 (Friday)
Date of admission	20/08/2018 (Monday)

6.0 GENERAL

- Candidates should specify broad areas of research in the application form Institute reserves the right to reject the applications for which faculty is not available/not eligible for guidance
- Incomplete application forms and forms submitted after the last date will be rejected. Institute will not be responsible for any postal delay.
- Canvassing in any form will disqualify the candidates
- List of short-listed candidates for the interview/test will be uploaded on Institute website only
- The candidates are required to see our website for fee structure/faculty expertise etc. and also advised to visit our website regularly for update information about the admission to Ph.D. programme for the Autumn Semester 2018-19
- No separate interview letter / communication will be made to any individual
- All candidates selected for admission shall be required to deposit the Institute fee at the time of admission
- The application form of the candidate will be acceptable only when he has registered himself, filled on-line application form and paid on-line requisite fee (SBI i-collect)

Address for Correspondence

Dean (Academic)
National Institute of Technology Jamshedpur
Jamshedpur - 831 014, Jharkhand, India
Telephone: 0657-2374248, 23724245.

NO OBJECTION CERTIFICATE

(This should be typed on the letterhead of the Sponsoring Organization and enclosed with the application form for admission)

To
The Director
NIT Jamshedpur

Sub: Part-Time Ph.D enrolment Programme for temporary faculty members engaged under
NPIU/TEQIP III

This is to certify that Mr./Ms. is working asin the Department of.....at (Institute Name). Based on the recommendation of Coordinator TEQIP-III (Institute Name), NOC is issued to him for pursuing Ph.D. in NIT Jamshedpur; if selected.

The NOC is issued on the request of Mr./Ms.

The Institute has necessary research facilities for carrying out his/her Ph.D. work.

He /She has served a bond to serve his/her institution as per NPIU/Institution norms.

His/her conduct and character is good. We are ready to relieve him/her as per the requirement of Ph.D. programme organized by NIT Jamshedpur for faculty of TEQIP funded institutions.

Date:

Place:

Signature of Head of the Institution/Organization with seal

Name

Designation