



राष्ट्रीय प्रौद्योगिकी संस्थान जमशेदपुर
NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR
(An Institute of National Importance under Ministry of Education, Government of India)

Advt. No. NITJSR/REG/ADVT/CD/2021-22/585

Date: 17-08-2021

Information Brochure

National Institute of Technology Jamshedpur, an Institute of National Importance under the Ministry of Education, Government of India, and a premier technical Institution of the country, invites online applications for faculty positions at the level of Assistant Professor Grade-II (level -11) in 7th CPC or PB-3, AGP Rs. 7000/- (On Contract) and Assistant Professor Grade-I (Level-12) in 7th CPC or PB-3 with AGP Rs. 8000/- in the various departments under 4 Tier flexible faculty cadre structure from Indian nationals fulfilling eligibility criteria and possessing excellent academic background, commitment to quality teaching, research, and innovation.

Important Dates:

1.	Opening date for submission of online application	18.08.2021
2.	Last date of submission of online application	17.09.2021 (5:00 P.M.)
3.	Last date of submission of print out of application along with supporting documents	24.09.2021 (5:00 P.M.)

1. Qualification and Experience:

SI. No:	Designation, Pay Band and Academic Grade Pay	Essential Qualification	Essential Requirements	Cumulative Essential Credit Points
(1)	(2)	(3)	(4)	(5)
1.	Assistant Professor (on contract) (Grade-II) PB-3, AGP Rs. 7000 (6 th CPC) equivalent Level 11 (7 th CPC)	Ph. D	One year post Ph. D experience of Teaching and Research in Institution of repute or Industry	10
2.	Assistant Professor (Grade-I) PB-3, AGP Rs. 8000 (6 th CPC) equivalent Level 12, (7 th CPC)	Ph. D	Three years after Ph. D or six years of total teaching and research experience in in reputed academic Institute or Research and Development. Labs or relevant Industry	20

2. Number of Vacant Posts (including Backlog):

Name of the Post	UR	EWS	OBC (Non-Creamy Layer)	SC	ST	PWD [Horizontal Reservation]	Total
Assistant Professor (On Contract) (Grade-II) AGP Rs. 7000/- Pay Level-11	03	03	07	03	02	01	18
Assistant Professor (Grade-I) AGP Rs. 8000/- Pay Level-12	12	07	15	07	06	02	47

3. Department wise vacancy:

Sl. No.	Department	Vacancy
01.	Chemistry	00
02.	Civil Engineering	10
03.	Computer Applications	07
04.	Computer Science & Engineering	08
05.	Electrical Engineering	12
06.	Electronics & Communication Engineering	04
07.	Humanities, Social Science & Management	00
08.	Mathematics	01
09.	Mechanical Engineering	10
10.	Metallurgical & Materials Engineering	09
11.	Physics	01
12.	Production & Industrial Engineering	03

Note: - In the Department of Chemistry and Humanities, Social Science & Management, the advertisement is for internal faculties only.

NOTE I: This being an advertisement governed by the Four Tier Flexible Recruitment Rules for NITs & IEST Shibpur, relevant instructions issued from MoE/BOG till the date of Interviews will be applicable on this advertisement.

NOTE II: Number of vacancies in all or any of the categories (including reserved vacancies) may be increased / decreased without any notification.

NOTE III: For the Academic Departments which are not having any vacancy / advertised specialization, movement in Higher Academic Level / Academic Grade Pay of Cadre may be carried out as per specified selection process but will be restricted only to Serving Faculty Members of the respective Departments of the Institute. Applications for the Departments / Specialization, which are not advertised, only internal Regular Faculty may apply in terms of Note 1(5) of schedule E of statutes 23[5](a) of the First Statutes of the National Institute of Technology (Amendment) Statutes, 2017.

The Institute reserves the right to modify / defer or cancel full / part of the advertisement / Recruitment at any stage of processing without assigning any reasons.

Those applicants who have applied earlier against advertisement no. NITJSR/REG/ADVT/CD/2019-20/365 Dated 04.06.2019 may update their application form online and resend hard copy of application form along with required documents. They need not pay the application fee again. The applicants need to apply online and submit the hardcopy of the application form along with self-certified testimonials through speed/registered post within specified date.

4. Area of Specialization in the following Departments:

Name of the Department	Desirable Specializations
Chemistry	<ul style="list-style-type: none">• Surface Chemistry• Physical Chemistry• Organic Chemistry• Inorganic Chemistry• Analytical Chemistry• Environmental Chemistry• Computational Chemistry• Atmospheric Chemistry• Material Chemistry

Civil Engineering	<ul style="list-style-type: none"> • Water Resources Engineering • Transportation Engineering • Environmental Engineering • GIS and Remote Sensing • Geotechnical Engineering • Structural Engineering
Computer Applications	<ul style="list-style-type: none"> • Software Engineering • Information Systems Security Engineering • Database Management • Network Programming • Soft Computing • Cyber Security • Network Security • Mobile Security • Cloud Security • Computer Graphics • Net Security
Computer Science & Engineering	<ul style="list-style-type: none"> • Computer Algorithms and Data Structures • Theory of Computations • Computer Architecture • Microprocessors and Microcontrollers • Operating Systems • Parallel and Distributed Computations • Software Engineering • Computer Networks • Database Management Systems and very Large Database Technologies • Compiler Design and Program Analysis • Object Oriented Systems Design • Artificial Intelligence and Application of Machine Learning in various problem domains • VLSI, Embedded and Real-Time Systems • Data and Network Security • Digital Image Processing, Computer Vision and Object Detection • Computer Graphics • Multimedia Systems • High-Performance Computing • Internet of Things • Deep Learning Neural Networks • Cloud Computing • Formal Methods and Formal Verification • Human-Centre Computing
Electrical Engineering	<ul style="list-style-type: none"> • Power System Engineering • Power Electronics • Control System Engineering • Instrumentation Engineering • Electrical Machines • Power Engineering Economics
Electronics and Communication Engineering	<ul style="list-style-type: none"> • Communication Systems • VLSI • Microprocessor and Embedded Systems Design • MEMS / NEMS • Microwave Engineering • Signal Processing
Humanities, Social Science and Management	<ul style="list-style-type: none"> • English: English Language / English Literature / Linguistics / Communication Studies • Economics: Any Area • Psychology: Any Area • Management: General Administration
Mathematics	<ul style="list-style-type: none"> • Fluid Dynamics • Optimization • Analysis (Wavelet Analysis, Functional Analysis, Topology) • Mathematical Ecology • Algebra & Number Theory • Special Function & Fractional Calculus • Statistics
Mechanical Engineering	<ul style="list-style-type: none"> • Design Engineering • Energy Systems Engineering • Manufacturing and Industrial Engineering • Thermal and Fluids Engineering

Metallurgical and Materials Engineering	<ul style="list-style-type: none"> ● Physical Metallurgy ● Process Metallurgy ● Foundry Technology ● Material Science and Technology ● Computer Application in Metallurgy
Physics	<ul style="list-style-type: none"> ● Theoretical Physics ● Experimental Physics ● Computational Physics ● Condensed matter Physics ● Astrophysics
Production and Industrial Engineering	<ul style="list-style-type: none"> ● Mechatronics ● Toyota Production System ● Supply Chain Management ● Production and Manufacturing Engineering ● Robotics ● Automation ● CAD / CAM ● R.E. and R.P. with CAD application ● Production Engineering ● Industrial Engineering ● Product Design and Development ● Manufacturing Processes ● Manufacturing Planning and Control ● Manufacturing Management ● Manufacturing Excellence / World-class Manufacturing ● Manufacturing Systems Engineering

5. Facilities extended to the faculty members of NIT Jamshedpur

Facilities are extended to faculty members of NIT Jamshedpur as per NIT Act and Statutes as well as decisions of the **BOG** of the Institute or relevant orders from Ministry of Education, New Delhi.

6. Prescribed minimum Qualification and Experience:

As prescribed in Schedule 'E', Annexure - A of NIT Statutes (Amended 2017) (Ref. Gazette of India No: 651, dated July 24, 2017) and subsequent clarification as Annexure - B.

Candidates are required to go through the details of the post and the instructions available on the website carefully before applying to ensure their eligibility for the post.

7. Age Limit

Fresh appointment beyond the age of 60 years is discouraged except in the case of faculty with an exceptionally brilliant research career and with on-going or approved externally funded research projects.

8. Period of Probation: One year for Assistant Professor Grade-I (PB-3 with AGP Rs. 8000/- as per 6th CPC) Level-12 in 7th CPC.

9. Application Fee:

Non-Refundable application fee of Rs. 1500/- (Rupees One Thousand Five Hundred Only) for UR/OBC/EWS applicants. No application fee is required from SC/ST/PWD/Women applicants and employees/teachers of NIT Jamshedpur. The Application Fee should be remitted through SBI Collect only. No other mode of fee payment will be accepted.

Process for making payment:

- I. Log into SBI Collect Portal - <https://www.onlinesbi.com/sbicollect/icollecthome.html>
- II. Check-I have read and accepted the terms and conditions stated above and click Proceed
- III. In "State of Corporate / Institutions" Select **Jharkhand**
- IV. In "Type of Corporate / Institution" select **Educational Institutions** and click "Go"
- V. In "Educational Institutions Name" select NIT Jamshedpur

VI. In “Select Payment Category” select Application Fee for the Post of Assistant Professor, fill in the details and make the payment from any of the modes provided in the payment system.

VII. Please write Applicant Name / Post / Department applied on the receipt before attaching to the online application.

10. Policy on avoiding in-breeding

To avoid the following policies will be followed

- I. Candidates who have obtained their most recent degree (Ph. D) from NIT Jamshedpur will normally be not considered for recruitment, except where there is a 3-year gap between leaving the Institute and the last date as on the closing date i.e. online submission of forms under this advertisement.
- II. This condition is not applicable to existing regular faculty members of the Institute, already working at AGP Rs. 6000/7000 or equivalent pay level in 7th CPC.

GENERAL INSTRUCTIONS AND INFORMATION

1. **Last date for filling the online application is 17.09.2021 (5:00 P.M).**
2. **The printed copy of online application form and self-attested copies of relevant testimonials, certificates, enclosures and fee etc. is required to be sent by speed/registered post only to:**

Registrar, National Institute of Technology Jamshedpur-831014, Jharkhand, India

so that it must reach by 24.09.2021(5:00 P.M), failing which, their candidature will not be considered. Application through courier services will not be accepted. Candidates are also required to upload softcopies of relevant testimonials, certificates etc. on Online Application Portal. Institute will not be responsible for any postal delay at any stage.

3. **The envelope containing the application must be superscripted as “APPLICATION FOR THE POST OF..... Application number.....”**
4. The Institute shall not be responsible under any circumstances for any sort of postal delay.
5. **Institute may extend the last date; therefore, candidates are advised to visit the Institute website regularly.**
6. The minimum qualification with regard to academic qualification and experience for all positions advertised herewith shall be as given for each post. However, institute may decide the minimum academic qualification and experience to short-list the number of candidates to be called for selection procedure.
7. Candidates, who wish to apply for more than one post, should apply separately for each post in the prescribed manner and **separate application with fee must be deposited for each post.**
8. Applications, which are not in prescribed form / without relevant supporting enclosures and fee, shall be summarily rejected. No correspondence shall be entertained in this regard.
9. Candidates shall indicate two references of eminent persons in the field / profession, who may be contacted by the Institute for their recommendations.
10. The Institute has the right to set higher norms than minimum while short-listing, taking into account the specific requirements of the Institute and shall be binding on all the applicants. The decision of the Institute related to all matters pertaining to the recruitment shall be final and binding on the applicants.
11. The date for determining eligibility of candidates in every respect i.e., qualifications, experience and age limit etc. shall be considered as on the closing date, i.e., the last date of the submission of online application form i.e., 17.09.2021 (5:00 P.M).
12. Age relaxation will be given to SC/ST/OBC/PWD/Ex-armed forces persons as per Govt. of India norms.
13. Age relaxation will be given to temporary/contract/adhoc/outsource persons working in the institute as per Ministry of Education, Department of Higher Education / BOG directions.
14. No TA/DA will be paid for attending the test / interview. SC/ST outstation candidates will be paid to and fro travelling allowance of second-class Railway fare by the shortest route (subject to production of tickets) as admissible under the Rules upon furnishing of claim in prescribed format with proof of journey. However, Travelling Allowance is not admissible to those SC/ST candidates who are already in service of Central/State Government services, Central/State Government Corporation, Public Sector Undertakings, Local Government Institutions and Panchayats and those who have availed concession

- from Railways, if any, for undertaking journey for attending examination.
15. Persons serving in Govt. / Semi Govt. / PSUs / Universities / Educational Institutions must bring "NO OBJECTION CERTIFICATE" from the Competent Authority of the organization serving, at the time of written test/interview, otherwise, they may not be allowed for written test/interview. They can, however, send an advance copy of the application form and relevant enclosures.
 16. Any vigilance/criminal/disciplinary cases should not be pending against the candidates working in any Government organization/Autonomous body/Semi Govt./PSUs/Universities/Educational Institutions. Such cases will not be considered.
 17. The original degrees/certificates/proof of date of birth and other testimonials towards fulfilment of specified eligibility conditions shall be required to be produced by the candidate, at the time of their test / interview.
 18. The list of candidates shortlisted for participation in the selection process such as written test/interview etc. will be displayed on the Institute website only. No separate communication/intimation in this regard shall be made by the Institute.
 19. Application form (containing fee payment details) & e-receipt should be printed by the candidate and kept for reference with him/her.
 20. Candidates should ensure that their Name, Father's Name, Date of Birth should exactly match as recorded in Matriculation or equivalent certificate. In case any candidate has formally changed the name, then gazette notification or any other legal document, as applicable should be submitted at the time of Document Verification.
 21. Candidates are advised to indicate their active mobile number and valid e-mail ID in the ONLINE application and keep them active during the entire recruitment process as important messages will be sent by email and on mobile which will be deemed to have been read by the candidates. Candidates should check their email including SPAM folder regularly. Candidates are required to carefully fill/provide all the detailed information regarding personal details/Biodata, fee etc. through ONLINE application. The candidate is responsible to prove that all the information provided/submitted by him/ her in the application is true.
 22. Please further ensure that candidates fulfil all the eligibility criteria (like age, qualification, experience, category certificate, etc.) as stipulated in our advertisement. If candidate fails to meet any of the eligibility criteria as stated in the advertisement for the post, the candidature will be cancelled. The decision of the Competent Authority in this regard would be final. Only shortlisted candidates will be called/intimated for the selection process.
 23. The cut-off date for determining the eligibility conditions will be the last date of submission of application through Online
 24. All recruitment and pay-fixation shall be done by the Board of Governors (BOG) of the Institute only on the recommendations of duly constituted Selection Committees. The Decision of the Appointing Authority shall be final. There shall be no scope of fixing of altering pay (Pay Matrix & Basic Pay) outside the Selection Committee.
 25. Higher starting Pay Matrix & Basic Pay may be offered to deserving candidates on recommendation of the Selection Committee upon approval of the Board of Governors as applicable.
 26. No interim queries regarding the Selection Process will be entertained at any stage.
 27. In order to avoid last minute rush, the applicants are advised to apply early. In case of any technical error, the applicants can mail their problem at the email recruitment@nitjsr.ac.in.
 28. In case of any inadvertent error in the process of selection, which may be detected, at any stage, even after the issuance of offer letter, the Institute reserves the right to modify / withdraw / cancel any communication made to the applicants.
 29. Candidates must be in sound health. They must, if selected, be prepared to undergo such medical examination and satisfy such medical authority as the Institute may require.
 30. The appointment of candidates on regular basis shall be governed by New Pension Scheme (NPS).
 31. Application forms, downloaded and submitted offline, would not be accepted. The applicant will be solely responsible for authenticity of the submitted information.
 32. Institute reserves the right to extend the closing date for receipt of applications. Institute also reserved the right to postpone/cancel this recruitment process at any time.
 33. Legal disputes, if any, with NIT Jamshedpur will be restricted within the jurisdiction of Hon'ble High Court of Jharkhand, Ranchi only.
 34. Canvassing in any form OR on behalf of a candidate will be disqualified.

35. Any guidelines received from the Ministry of Education / Board of Governors shall be applicable.
36. Number of seats may reduce / increase.
37. Before filling the Application Form, the candidate must ensure his/her eligibility for the post in respect of qualification and other requisite criteria. The candidate should carefully go through details and instructions available on NIT Jamshedpur website: <http://nitjsr.ac.in>. (Link for Online Application: <http://online.nitjsr.ac.in/faculty>). Apart from Schedule E available in this Advertisement, candidates are also advised to go through the following important Rules/Orders:

Sl. no.	Document/order/guidelines	Uploaded with this Advt. as
1	NITSER Act, 2007	Annexure I
2	First Statutes of NIT	Annexure II
3	MoE F.No.33-9/2011/TS.III dated 16 th April 2019	Annexure III
4	MoE F.No. 33-9/2011-TS.III dated 30 th November 2017,	Annexure IV
5	MoE F.No. 33-9/2011-TS.III dated 20 th April 2018	Annexure V
6	MoE F.No. 33-9/2011-TS.III dated 13 th September 2017	Annexure VI
7	Gazette Notification dated 07 th March 2019 of CEI (Reservation in Teachers' Cadre) Ordinance, 2019	Annexure VII

38. As per Schedule "E" of the Statutes of NIT vide Gazette of India No.651 dated July 24, 2017, previous experience must be from the **Institute of repute** as per oversight committee resolution (MoE vide F.No.33-9/2011/TS.III dated 16th April 2019- **Annexure III with this advt.**). The above definition of **Institute of repute** shall only be considered to determine eligibility and calculation of credit points. However, the above criterion does not apply for **servicing regular faculty members**. For the **servicing regular faculty members**, previous experience irrespective of above conditions will be considered.
39. In case of any inadvertent omission in advertisement/selection process discovered even after issuance of appointment letter, the institute reserves all rights to withdraw/cancel/modify any communication made to the candidates.
40. The Institute reserves the right for issuing corrigendum/addendum after the advertisement. All such addendum/ corrigendum will be published on the Institute Website only.
41. Records of the candidates not selected shall not be preserved beyond Six (06) months from the date of declaration of the result of selection.

DOCUMENTS / CERTIFICATES:

Self-attested copies of the following Documents/Certificates are required to be attached along with the Application form.

- a) Matriculation / 10th Standard *or* equivalent certificate indicating the date of birth. *or* mark sheet of Matriculation / 10th Standard *or* equivalent issued by Central / State Board indicating the date of Birth will be considered in support of their claim of age. Where the date of birth is not available its certificate/mark sheets, issued by concerned Educational Boards, school reading certificate Indicating the date of birth will be considered.
- b) Degree certificate along with mark sheets pertaining to all the academic years as proof of educational qualification claimed. In the absence of a particular Degree certificate, mark sheet of the Degree program will be accepted.
- c) NOC and Experience Certificate(s) from the Head(s) of Organization (s) / Departments for the entire experience claimed, clearly mentioning the duration of employment (date, month & year) indicating the basic pay and consolidated pay. The certificate(s) should also mention the nature of duties performed/experience obtained in the post(s) with duration(s).
- d) Certificate by candidate seeking reservation as OBC (Non-creamy layer) shall be in the prescribed

Performa only from the competent authority.

- e) Certificate by candidate seeking reservation as SC/ST shall be from the competent authority.
- f) Certificate from persons with disability (PWD) in prescribed Proforma issued by the competent authority to the Person with Disability for being eligible for appointment to the post on the basis of prescribed standards of Medical Fitness.
- g) Certificate to claim reservation under EWS category, issued by the competent authority be attached.
- h) Credit Point calculation sheet is to be filled by the applicant for the post applied and to be submitted along with Application Form.
- I) ID Proof (Passport/Voter ID/PAN Card/Aadhar Card/ Any Government issued Id).
- j) SBI Collect Application Fee receipt.
- k) Any other relevant documents in support of the entries filled in the application form.

NOTE-I:Date of birth mentioned in the matriculation /10th standard certificate will be final and same should be filled in online Application. No Subsequent request for change of date of birth will be considered.

NOTE-II:The Period of experience rendered by a candidate on part-time basis, daily wages. Visiting/Guest faculty will not be counted while calculating the valid experience for shortlisting the candidates.