



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

Advt. No. NITJSR/ESS/CD/2022-23/199

Date: 17/05/2022

**Information Brochure**

Online applications are invited from Indian nationals in the prescribed format for the posts of Assistant Professor (Pay Level-10, 11, 12) (Pay level 10, 11 – on contract) in the Departments of Civil Engineering, Computer Science & Engineering\*, Electrical Engineering, Electronics & Communication Engineering, Mathematics, Mechanical Engineering, Metallurgical & Materials Engineering, Physics, and Production & Industrial Engineering.

[NOTE: \*Department of Computer Applications has been merged with the Department of Computer Science & Engineering]

**Important Dates:**

1.	Opening date for submission of online application	<b>18.05.2022</b>
2.	Last date for submission of online application	<b>10.06.2022 till 17:30 Hrs</b>
3.	Last date for submission of print out of application form along with the supporting documents	<b>15.06.2022 till 17:30 Hrs</b>

**1. Qualification and Experience:**

Sl. 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) PB-3, AGP Rs. 6000/- (6 <sup>th</sup> CPC) equivalent Level 10 as per (7 <sup>th</sup> CPC) Grade-II	Ph.D.	Nil	Nil
2.	Assistant Professor (on contract) PB-3, AGP Rs. 7000/- (6 <sup>th</sup> CPC) equivalent Level 11 as per (7 <sup>th</sup> CPC) Grade-II	Ph.D.	One year post Ph.D. experience of Teaching and Research in Institution of repute or Industry	10
3.	Assistant Professor PB-3, AGP Rs. 8000/- (6 <sup>th</sup> CPC) equivalent Level 12, as per (7 <sup>th</sup> CPC) Grade-I	Ph.D.	Three years after Ph.D. or six years total teaching and research experience in reputed academic Institute/ Research and Development Labs or relevant Industry.	20

## 2. Number of Vacant Posts (Including Backlog):

Name of the Post	OBC (NCL)	SC	ST	EWS	UR	PWD [Horizontal Reservation]	Total
Assistant Professor (Pay Level -10, 11,12) (Pay Level – 10, 11 on contract)	24	12	09	02	20	As per rules	67

For detailed information regarding Pay, Qualification, Essential requirements, Credit Points etc. please visit Institute website [www.nitjsr.ac.in](http://www.nitjsr.ac.in). Interested and eligible candidates may apply on the prescribed online application form available on the Institute website [www.nitjsr.ac.in](http://www.nitjsr.ac.in).

The candidates are advised to download the duly filled application form from the Institute website. The duly completed application form, along with self-attested supporting documents, such as the self-attested copies of relevant testimonials, certificates, enclosures etc. must be sent by **speed/registered post only** so as to reach to **The Registrar, NIT Jamshedpur, Adityapur, Jamshedpur- 831014, India by 15<sup>th</sup> June 2022** failing which their candidature will not be considered. Applicants, who are in employment of Government/Govt. Undertaking/ Autonomous Body, must send their application through proper channel. Reservation policy for appointments in the institutions of national importance as per Government of India norms will be applicable. Mere fulfillments of minimum qualifications do not ensure the call for interview. If the number of candidates is more against a post, then short listing criteria to restrict the number to be called for interview will be displayed on the Institute website. The institute reserves its right to cancel the recruitment procedure to any post or all posts without any prior notice and without assigning any reason thereof. The institute will not be responsible for any postal loss or delay.

The envelope containing the application be super-scribed as “Application for the Post of..... in the Department of.....”

NOTE I: This being an advertisement governed by the 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 may change 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 as per Note 1(5) of Schedule ‘E’ of Statutes 23(5)(a) of the First Statutes of the National Institute of Technology (Amendment) Statutes, 2017.

### 3. Area of Specialization in the following Departments:

Name of the Department	Desirable Specializations
Civil Engineering	<ul style="list-style-type: none"> <li>• Water Resources Engineering</li> <li>• Transportation Engineering</li> <li>• Environmental Engineering</li> <li>• GIS and Remote Sensing</li> <li>• Geotechnical Engineering</li> <li>• Structural Engineering</li> </ul>
Computer Science & Engineering	<ul style="list-style-type: none"> <li>• Software Engineering</li> <li>• Information Systems Security Engineering</li> <li>• Database Management</li> <li>• Computer Graphics</li> <li>• Computer Algorithms and Data Structures</li> <li>• Theory of Computations</li> <li>• Computer Architecture</li> <li>• Operating Systems</li> <li>• Compiler Design and Program Analysis</li> <li>• Artificial Intelligence and Machine Learning</li> <li>• Digital Image Processing,</li> <li>• High-Performance Computing</li> <li>• Internet of Things</li> </ul>
Electrical Engineering	<ul style="list-style-type: none"> <li>• Power System Engineering</li> <li>• Power Electronics</li> <li>• Control System Engineering</li> <li>• Instrumentation Engineering</li> <li>• Electrical Machines</li> <li>• Power Engineering Economics</li> </ul>
Electronics and Communication Engineering	<ul style="list-style-type: none"> <li>• Communication Systems</li> <li>• VLSI</li> <li>• Microprocessor and Embedded Systems Design</li> <li>• MEMS / NEMS</li> <li>• Microwave Engineering</li> <li>• Signal Processing</li> </ul>
Mathematics	<ul style="list-style-type: none"> <li>• Fluid Dynamics</li> <li>• Optimization</li> <li>• Analysis (Wavelet Analysis, Functional Analysis, Topology)</li> <li>• Mathematical Ecology</li> <li>• Algebra &amp; Number Theory</li> <li>• Special Function &amp; Fractional Calculus</li> </ul>

Mechanical Engineering	<ul style="list-style-type: none"> <li>• Design Engineering</li> <li>• Energy Systems Engineering</li> <li>• Thermal and Fluids Engineering</li> </ul>
Metallurgical and Materials Engineering	<ul style="list-style-type: none"> <li>• Physical Metallurgy</li> <li>• Process Metallurgy</li> <li>• Foundry Technology</li> <li>• Material Science and Technology</li> <li>• Computer Application in Metallurgy</li> </ul>
Physics	<ul style="list-style-type: none"> <li>• Theoretical Physics</li> <li>• Experimental Physics</li> <li>• Computational Physics</li> <li>• Condensed matter Physics</li> <li>• Astrophysics</li> </ul>
Production and Industrial Engineering	<ul style="list-style-type: none"> <li>• Manufacturing technology</li> <li>• Industrial Engineering</li> <li>• Automation &amp; Robotics</li> </ul>

#### 4. 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 MoE, New Delhi.

#### 5. Prescribed minimum Qualification and Experience:

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: <https://nitjsr.ac.in>. (Link for Online Application: <http://online.nitjsr.ac.in/faculty>). Apart from Schedule 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 <sup>th</sup> April 2019	Annexure III
4	MoE F.No. 33-9/2011-TS.III dated 30 <sup>th</sup> November 2017,	Annexure IV
5	MoE F.No. 33-9/2011-TS.III dated 20 <sup>th</sup> April 2018	Annexure V
6	MoE F.No. 33-9/2011-TS.III dated 13 <sup>th</sup> September 2017	Annexure VI

7	Gazette Notification dated 07 <sup>th</sup> March 2019 of CEI (Reservation in Teachers' Cadre) Ordinance, 2019	Annexure VII
---	--	--------------

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 serving faculty members. For the serving faculty members, previous experience irrespective of above conditions will be considered

#### **6. Age Limit**

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

**7. Period of Probation:** One year for Assistant Professor Level-12 in AGP 8000/- (extendable as per extant provisions).

#### **8. Policy on avoiding in-breeding**

To avoid in-breeding 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-years 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 serving faculty members of the Institute, already working at AGP 6000/7000 or equivalent pay level in 7<sup>th</sup> CPC.

#### **9. Application Fee:**

Non-Refundable application fee of Rs. 1500/- (Rupees One Thousand Five Hundred) only for UR/OBC/EWS applicants (Male only). The application fee should be remitted through SBI Collect only. No other mode of fee payment will be accepted.

## **GENERAL INSTRUCTIONS AND INFORMATION**

1. The candidates are advised to fill online application form on Institute website ([www.nitjsr.ac.in](http://www.nitjsr.ac.in)). The candidates are advised to download the same from Institute website and keep a hard copy of the duly filled application. The duly completed application form, along with duly self-attested supporting documents, such as the self- attested copies of relevant testimonials, certificates, enclosures etc. must be sent by speed/registered post only so as to reach to **“The Registrar, NIT Jamshedpur, Adityapur, Jamshedpur-831014, India”** by 15.06.2022 failing which their candidature will not be considered. The envelope containing the application be super-scribed as “Application for the Post of .....in the Department of .....
2. Last date of submission of online application is 10<sup>th</sup> June 2022 by 17:30Hrs.
3. Last date of receipt of hard copy of duly filled application form, along with all supporting documents, duly self-attested is 15th June 2022 by 17:30Hrs.
4. The Institute will not be responsible under any circumstances for any sort of postal lost/delay.
5. The Institute shall retain the applicant data for non-shortlisted candidates only for three months after the completion of recruitment process.
6. Candidates who wish to apply for more than one post should apply separately for each post in the prescribed manner and separate online application form.
7. Application form without relevant supporting enclosures shall be summarily rejected. No correspondence shall be entertained in this regard.
8. Candidates shall indicate two references of eminent persons in the field/profession, with full postal address, email, and telephone number, who may be contacted by the Institute for their recommendations.
9. The Institute has the right to set higher norms than minimum and areas of specialization while short-listing. Norms may not be uniform across the departments/ posts 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.
10. 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.
11. The requisite experience will be considered as per the extant Statutes.
12. The eligible candidates may be required to appear for test/presentation/seminar, in addition to facing the Selection Committee. No TA/DA will be paid for attending test/Interview.
13. Persons serving in Govt./ Semi Govt./PSUs/Universities/ Educational Institutions should send their applications either THROUGH PROPER CHANNEL or should furnish a NO OBJECTION CERTIFICATE from the competent Authority of the organization serving, at the time of interview

otherwise they may not be allowed for interview. However, they can submit the advance copy of the application form.

14. Relevant Caste/Category certificates in prescribed format (as per attached Annexures) are required to be submitted at the time of written test / presentation / Interview, if shortlisted. No other certificate will be accepted as a sufficient proof.
15. The differently abled persons (PWD) shall be required to submit the Disability/Medical Certificate in the prescribed form (as per attached Annexures) issued by the competent medical authorities for the purpose of employment as per Government of India norms at the time of presentation/interview. Persons suffering from 40% of the disability or more shall only be eligible for the benefit of reservation under this category.
16. Original documents along with one set of self-attested copies will have to be produced at the time of interview for verification.
17. The applicants are advised/required to visit the Institute website [www.nitjsr.ac.in](http://www.nitjsr.ac.in) regularly. The list of candidates short listed for further participation in the selection process such as written test/presentation/interview will be displayed on the Institute website. The Institute in this regard shall make no separate communication/intimation.
18. Legal disputes, if any, with NIT Jamshedpur will be restricted within the jurisdiction of Jamshedpur only.
19. Three years cooling off period is required for the Candidate obtained their last degree from NIT Jamshedpur.
20. Candidate having degree in inter disciplinary branches/areas and eligible for teaching the interdisciplinary subject may also apply.
21. 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.
22. Self-attested copies of the following Documents/certificates are required to be attached with printout of the Online Application Form, failing which the application would be summarily rejected.
  - i. A valid photo ID
  - ii. Proof of date of birth
  - iii. Category certificate for SC/ST or Category certificate for OBC (Non-Creamy Layer) obtained on or after 01/04/2022
  - iv. Category certificate for PWD (if applicable)
  - v. Academic records (Marks/Grade Cards and Certificates from SSLC/Matriculation onwards up to Ph.D.)
  - vi. Experience certificates
  - vii. Salary certificate/Pay Slip of current employment
  - viii. Publications (copy of first page of publications), patents and copyrights details
  - ix. Details of Workshops/Conferences/Short Term Programs organized

- x. Certificate of Training/Summer/Winter Schools attended
  - xi. Conferences/Workshops attended and presented papers
  - xii. Details of Sponsored and Consultancy Projects
  - xiii. Fellowship/Membership of Professional Bodies
  - xiv. Awards and Recognitions
  - xv. Testimonials
  - xvi. Other Relevant Certificates
  - xvii. SBI Bank Collect Payment Receipt (if applicable)
23. Those applicants who have applied earlier against advertisement no. NITJSR/REG/ADVT/CD/2019-20/365 Dated 04.06.2019 and NITJSR/REG/ADVT/CD/2019-20/585 Dated 17.08.2021 **MUST** update their application form online and resend hard copy of application form along with required documents. They need not to pay the application fee again wherever applicable.
24. OBC/SC/ST and differently abled persons (PWD) under Special Drive against Backlog who have applied earlier against advertisement No. NITJSR/ESS/CD/2021-22/1622, Dated 15th February 2022 may update their applications. They need not to pay the application fee again wherever applicable. 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.

**NOTE-I:** Date of birth mentioned in Online Application Form is final. 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 short-listing the candidates for interview.

**Registrar**