



NATIONAL INSTITUTE OF TECHNOLOGY: TIRUCHIRAPPALLI- 620 015.

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

ADVERTISEMENT FOR RECRUITMENT OF JUNIOR RESEARCH FELLOWSHIP (JRF)/

PROJECT ASSOCIATE-II

FORM No. 7

Ref: NITT/R/T716/MR/04-11-2025/1

Date:14.11.2025

Applications are invited from Indian Nationals only for Junior Research Fellow (JRF) / Project Associate-II Positions as per the details given below, for the project under the **Dr.S.P.Kumaresh Babu**, Metallurgical and Materials Engineering in National Institute of Technology, Tiruchirappalli-15, and Tamil Nadu.

1.	Title of the Project	Development of new material for Bucket Wheel Teeth and its life improvement
2.	Funding Agency for the Project Specimen	NLC India Limited (NLCIL)
3.	Project Positions and Number	Junior Research Fellow (JRF) / Project Associate-II – Vacancy 02(Two)
4.	Qualifications and Essential Requirements	JRF: B.E./B.Tech. in Metallurgical & Materials Engineering/Mechanical/ Production with Valid GATE score Desirable Qualification: M.E./ M.Tech in Metallurgical/Materials Science & Engineering/ Mechanical/ Production or any other relevant PG specialization from an AICTE/MHRD recognized Institute/University Project Associate-II: B.E./B.Tech. in Metallurgical & Materials Engineering/Mechanical/ Production with Two years' experience in R&D in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities Desirable Qualification: M.E./ M.Tech in Metallurgical/Materials Science & Engineering/ Mechanical/ Production or any other relevant PG specialization from an AICTE/MHRD recognized Institute/University
5.	Emoluments	For GATE qualified (JRF) Rs. 37,000 + 18% HRA per month For Non-GATE (Project Associate-II) Rs. 33,000+ 18% HRA per month
6.	Duration	2 Years

7.	Job Description	Junior Research Fellow (JRF)/ Project Associate- II • Performing experiments and project related administrative work. • Development of Machine Learning Algorithms and use of AI model to predict failures and performance of BWE Teeth. • The project staff have to work both at NLCIL & NITT. At NLCIL the working hours is between 8.00 am to 5.00 pm (six working days). • They have to visit mines for field work whenever it is required. • The quarters for stay at NLCIL will be provided.
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General Instructions:

- A. Before appearing for the interview, the candidates shall ensure that they are eligible for the position they intend to apply.
- B. Candidates desiring to appear for the Interview should submit their applications with the following documents to the Office of the Project Investigator through Registered Post.
- C. Application should be furnished only in the prescribed format.
- D. Experience includes research, industrial field and others.
- E. Attested copies of degree/ certificate and experience certificate
- F. Candidates shall bring along with them the original certificates at the time of interview for verification.
- G. Please note that **no TA/DA** is admissible for attending the interview. The decision of the selection committee is final and binding.
- H. Only shortlisted candidates will be informed by e-mail/Mobile and no separate call letter will be issued for the same.
- I. The selected candidates may be permitted to register for the M.S /Ph.D. program as per NITT rules and regulations.
- J. The last date and time of submission of duly filled in application **28.11.2025** and The application should be submitted only in the prescribed format to along with Bio-Data and supporting documents by post/courier to **Dr.S.P.Kumaresh Babu, Professor, Dept. of Metallurgical and Materials Engineering, National Institute of Technology, Tiruchirappalli – 620015** with the subject marked as **NITT/R/T716/MR/04-11-2025/1 and send soft copy to babu@nitt.edu**
- K. Age of the applicant should be less than **35 years** as on the closing date of application. The candidates belonging to **OBC and SC / ST** are eligible for normal relaxation of **3 and 5 years** respectively.

Name and Signature of the Principal Investigator
(Dr.S.P.Kumaresh Babu)



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RECRUITMENT OF JUNIOR RESEARCH FELLOWSHIP (JRF)/ PROJECT ASSOCIATE-II

For Office Use only Serial Number allotted to the Applicant Signature of the Application Screening Committee Chairman	Paste here your recent passport-size colour Photograph
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APPLICATION FOR THE POST OF JUNIOR RESEARCH FELLOWSHIP (JRF)/ PROJECT ASSOCIATE-II

1. Name of the Candidate in full					
2. Nationality					
3. Mother Tongue					
4. Date of Birth	Date:	Month:	Year:		
5. Sex	Male / Female				
6. Marital Status	Married / Single				
7. Category SC / ST / OBC / General	Please specify:				
8. Address for communication with Mobile number and E-Mail ID					
9. Project Title					
10. Advertisement Number with Date					
11. Name of the Post applied for					
Academic Career: Enclose photocopies of the qualifying degree certificates and mark sheets/ grade cards showing the percentage of marks or CGPA from SSLC/ITI onwards					
Name of Exam	School / College	Board/ University	Broad subjects of study	Year of Passing	% of marks / GCPA
S.S.L.C					
H.S.C / Diploma					
Graduation					
Post-Graduation					
Any other (ITI)					

Enclose self-attested Xerox copies

12. GATE Score Subject Year.....

13. Work Experience, if any

Organization	Designation	Duration		Nature of Job
		From	To	

14. Reference

Name	Address	Phone & E-Mail ID

15. I do not have a relative among the Faculty and Staff of the NIT, Trichy.

16. Declaration: I do hereby that the information furnished in the application is true to the best of my knowledge and belief. If admitted, I shall abide by the rules and regulations of the Institute and the Project associated with it. If any information furnished in this application is found to be untrue, I am liable to forfeit the seat/appointment allotted to me at any time in the future and legal action be taken against me.

Date:

Full signature of the Applicant

List of Enclosures: (1)
(2)
(3)
(4)