

OFFICE OF THE DEAN (R & C), NIT, TIRUCHI  
**ADVERTISEMENT IN NITT WEBSITE FOR RECRUITMENT OF PROJECT STAFF -SPECIMEN**  
Dated 29.11.2019

Applications are invited from Indian Nationals only for Project Positions as per the details given below, (**ISRO-Respond Scheme**, under the principal investigator **Dr. M. Umamathy, Department of Instrumentation and Control Engineering**, in National Institute of Technology, Tiruchirappalli-15, Tamil Nadu.

1. Title of the Project: **Health Monitoring and Fault diagnosis of Turbo pumps of Liquid Rocket Engines (LREs) using Deep Learning Neural Networks**
2. Funding Agency for the Project specimen: **ISRO**
3. Project Positions and Number: **Junior Research Fellow (JRF) & 01 (one)**
4. Qualifications: **Post Graduate Degree in Basic Science (Computer Science) or Graduate/Post Graduate Degree in Professional Course (Computer Science/ Applications/ Information Technology) with first class selected through a process described through any one of the following:**
  - a. **Scholars who are selected through National Eligibility Tests — CSIR-UGC NET including lectureship (Assistant professorship) and GATE.**
  - b. **The selection process through National level examinations conducted by Central Government Departments and their Agencies and institutions such as DST, DBT, DOS, DRDO, MHRD, ICAR, ICMR, IIT, HISc, IISER etc.**

**Desirable: M.E./M.Tech in Computer Science /MCA, first calss with specialization in Artificial Intelligence- Machine Learning/ Deep Learning with meeting the conditions listed in a or b.**

5. Emoluments: **JRF: Rs.31, 000 + HRA per month.**
6. Duration: **15 Months**
7. Job Description: **The project is mainly focused on developing deep learning models for health monitoring and fault diagnosis of Turbo pumps.**
  - A. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
  - B. Candidates desiring to appear for the Interview should submit their application (Hard Copy) with the following documents to: **Dr. M. Umamathy, The Principal Investigator, Department of Instrumentation and Control Engineering, NIT, Trichy-620015** by Post.
  - C. Application should be furnished only in the prescribed format.
  - D. Experience including 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.
  - H. The last date and time of submission of duly filled in application **18.12.2019 & 5PM**. The application should be submitted only in the prescribed format.
  - I. The interview will be held on **23.12.2019 in the ICE Department at 10.30AM**.

**Principal Investigator**

**OFFICE OF THE DEAN (R & C)**  
**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI**  
**APPLICATION FOR THE POST OF JUNIOR RESEARCH FELLOWSHIP (JRF)**

<p style="text-align: center;">For Office Use only</p> <p>Serial Number allotted to the Applicant                  .....</p> <p style="text-align: center;">Signature of the Application Screening Committee                  Chairman</p>	<p>Paste here your recent passport size colour Photograph</p>
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**APPLICATION FOR THE POST OF RESEARCH JRF**

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. Name of the Post applied for					
11. Advertisement Number with Date					
Academic Career : Enclose photo copies of the qualifying degree certificates and mark sheets/ grade cards showing the percentage of marks or CGPF from HSC onwards					
Name of Exam	School / University	Board/ University	Broad subjects of study	Year of Passing	% of marks / GCPA
S.S.L.C					
H.S.C					
Graduation					
Post-Graduation					
Any other					

Enclose self-attested Xerox copies

12. GATE Score .....Subject  
 .....Year.....  
 ....

13. NET Score

.....Subject.....Year.....  
.....

14. Work Experience, if any

Organization	Designation	Duration		Nature of Job
		From	To	

14. Previous Research work and publication, if any (enclose copies of published or unpublished work)

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15. Proof of past study as a sponsored candidate, or other contractual obligation, if any:

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16. Reference

Name	Address	Phone & E Mail ID

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

18. 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 Project associated to it. If any information furnished in this application is found to be untrue, I am liable to forfeit the seat / appointment allotted to me any time in future and legal action be taken against me.

Date:

Full signature of the Applicant

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