

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI  
[TEL:0431-2503314](tel:0431-2503314) FAX:0431-2500133**

Ref: NITT/ECE/GTRE-CARS/ESG

12/2/2021

**ADVERTISEMENT FOR THE TEMPORARY POST OF JRF IN ECE DEPT**

Applications are invited from Indian Nationals with valid GATE scores or National Level Eligibility Test for Junior Research Fellowship (JRF positions ) as per the details given below, for research projects, under the principal investigator **Dr. E.S. Gopi, Associate professor, Department of Electronics and Communication Engineering,** National Institute of Technology, Tiruchirappalli-15, Tamil Nadu.

1. Title of the Project: **Hunting representative sensors and constructing regression model between sensor outcomes using ML**
2. Funding Agency for the Project specimen: **Gas Turbine Research Establishment, Defense Research and Development Organization (DRDO)**
3. Project Positions and Number: **Junior Research Fellow, 1**
4. Qualifications: B.E/B. Tech. in ECE, CSE, IT, EEE, ICE, & relevant specialization in M.E / M. Tech. Preference will be given to the candidates having experience in **Machine learning, Deep learning and Python programming**
5. Emoluments **INR Rs. 35,760/- inclusive of HRA**
6. Duration 1.5 years
7. **Job Description:**
  1. To design and develop a Machine Learning based GUI based software tool for hunting representative sensors and constructing regression model between engine sensor outcomes.
  2. Execute the related activities in terms of data collection, equipment procurement, etc.

8. Other Instructions:

- A. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply
- B. Eligible candidates must fill the application through online link given below on or before **3<sup>rd</sup> Mar 2021**. Scanned copy of the filled application form and relevant certificates as single pdf file should also be uploaded in the link.  
**<https://forms.gle/KCQ3RkRCTiCXszXA>**
- C. Interview will be held **ONLINE**. The link for conducting the interview will be shared to the shortlisted candidates through E-mail
- D. Contact **esgopi@nitt.edu** for any clarification.
- E. Mere full filling the above criteria will not be sufficient. The higher criteria for the selection of the candidates may be imposed based on the number of applications.
- F. The selection committee decision is final.
- G. If any applicant is found to canvass, the candidate selection shall be summarily rejected.

**Dr. E.S. Gopi**

**Associate professor, Department of ECE,**

**Principal Investigator**

**OFFICE OF THE DEAN (R & C), NIT, TIRUCHIRAPPALLI  
RECRUITMENT OF TEMPORARY PROJECT STAFF –APPLICATION  
FOR THE POST OF JUNIOR RESEARCH FELLOW (JRF)**

|   |  |
|---|--|
| For Office Use only                                       |  |
| Serial Number allotted to the Applicant<br>.....          | Paste here your recent passport size colour Photograph |
| Signature of the Application Screening Committee Chairman |  |

**APPLICATION FOR THE POST OF RESEARCH ASSOCIATE / JRF / SRF/ TECHNICAL STAFF**

| 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  |                     |                   |                         |                 |                   |

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|-----------|--|--|--|--|--|
| Any other |  |  |  |  |  |
|-----------|--|--|--|--|--|

Enclose self-attested Xerox copies

12. GATE:

|             |
|-------------|
| GATE Score: |
| Subject:    |
| Year:       |

13. NET

|            |
|------------|
| NET Score: |
| Subject:   |
| Year:      |

13. Short term courses undergone on Matlab/Python programming in Machine Learning, Deep learning

| S.No. | Details |
|-------|---------|
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|       |         |

14. Project done using Matlab / Python programming in Machine Learning , Deep learning

| S.No. | Details |
|-------|---------|
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15. Work Experience, if any

| Organization | Designation | Duration |    | Nature of Job |
|--------------|-------------|----------|----|---------------|
|              |             | From     | To |               |
|              |             |          |    |               |
|              |             |          |    |               |

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

| S.No. | Details |
|-------|---------|
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16. Proof of past study as a sponsored candidate, or other contractual obligation, if any:

| S.No. | Details |
|-------|---------|
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17. Reference

| Name | Address | Phone & E Mail ID |
|------|---------|-------------------|
|      |         |                   |
|      |         |                   |

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

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)