



**NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA**  
**SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION**

**NITR/SR/2022/Advt-22EE045/L/057 (4<sup>th</sup> Extn.), dt.13.03.2023.**

**[4<sup>th</sup> Extension Notice against earlier notice vide no. NITR/SR/2022/Advt-22EE045/L/057 (3<sup>rd</sup> Extn.), dt.09.02.2023]**

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF)" for the Project entitled "**Development of a Multimodal Model of Cognitive Fatigue.**" Selected candidate may enroll in Ph.D. Programme in the **Department of Electrical Engineering, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	<b>SR/22/EE/045</b>
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	<b>Development of a Multimodal Model of Cognitive Fatigue</b>
4.	Name of the Sponsoring Agency	Science and Engineering Research Board (SERB)
5.	Tenure of the Project	2 years( from 13-Oct-22 to 13-Oct-24)
6.	Tenure of the Assignment	Initially for a period of one year; renewal after one year subject to satisfactory performance
7.	Job Description	<ul style="list-style-type: none"><li>- Design and execution of experiment on cognitive fatigue</li><li>- Analysis of biomedical signals</li><li>- Writing and communication of scientific documents</li></ul>
8.	Consolidated monthly compensation / Fellowship	Rs. 31,000 p.m. (Consolidated)/ month
9.	Essential Qualifications and experience	M. Tech/M. E. in Electrical Engineering/ Instrumentation Engineering with specialization in Instrumentation/ Signal Processing/ Image Processing with 60% marks throughout
10.	Desirable Qualifications / Exp.	<ul style="list-style-type: none"><li>- Proficiency in MATLAB</li><li>- Demonstrated competence in scientific communication in English</li><li>- Exposure to biomedical signal analysis (desirable but not essential)</li></ul>
11.	Accommodation	Bachelor/Married accommodation in the Institute may be provided subject to availability.

For technical information on the project, the candidate may contact the Principal Investigator at the following address:

Name : **Prof. Anwesh Sengupta**  
Address : Department of Electrical Engineering  
National Institute of Technology Rourkela, Odisha 769 008.  
Tel. No. : 0661-246 0000  
Mobile : 9432187482 / 9038087482  
E-mail : [Senguptaan@nitrkl.ac.in](mailto:Senguptaan@nitrkl.ac.in)

Date and Time for Interview: **To be notified to the candidates**

Place of Interview (if held offline): **To be notified to the candidates**

Interested candidates (preferably below 35 years) are requested to submit duly filled and signed application form in the attached format (with soft copies of all supporting documents, publications etc.) **through email only** to [Senguptaan@nitrkl.ac.in](mailto:Senguptaan@nitrkl.ac.in) . Please form a **single PDF file** with all documents and mention "Application for JRF\_SR/22/EE/045" in the subject field of the mail. The soft copy of the application must reach by **20.03.2023, 23.59 HRS.**

The application form is available in the following link:

[http://nitrkl.ac.in/oldwebsite/ Jobs\\_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](http://nitrkl.ac.in/oldwebsite/ Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64(2).pdf).

**Note:**

1. No TA/DA will be paid to the candidates to appear for the interview, if held offline.
2. Decision of the selection committee will be final and binding and no further communication will be entertained in this regard.
3. Date of interview and list of eligible candidates will be displayed on the institute website or informed through email. No separate letter will be issued to the shortlisted candidates for appearing in further screening and selection process.
4. NIT Rourkela deserves the right to fix higher criteria for shortlisting of eligible candidates from those satisfying advertised qualifications and requirements of the post.
5. The candidates are also required to produce original copies of relevant documents mentioned in the application form at the time of interview / joining. Candidature will be summarily cancelled in the case of suppression of information/providing spurious information.
6. Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be shortlisted based on merit and need of the project.

**Sd/-  
Asst. Registrar (SR)**

Copy to:

- 1) All Heads of the Departments, NIT Rourkela for publication on departmental notice boards.
- 2) **Prof. ANWESHA SENGUPTA**, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, EE.
- 4) Project file.