



NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA – 769 008(ODISHA)

SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION

ADVT NO: NITR/ME-002//EE-303(I)

Dated: 12.06.2018

Applications are invited on prescribed format for the temporary post of "**Junior Research Fellow (JRF)**" for the topic entitled "Design, Development and Control of Linear and Rotary Electromagnetic Actuator" under the IMPRINT project (Project No. 6292, **Design and Development of Dynamic Mechanical Analyser**) jointly sanctioned by MHRD (Govt. of India) and SERB (DST, Ministry of Science and Technology, Govt. of India). The requirement of JRF post is for Electrical Engineering Department.

1. Name of the Temporary Post : Junior Research Fellow (JRF) – 01
2. Name of the Research Project : Design and Development of Dynamic Mechanical Analyzer.
3. Name of the Sponsoring Agency : MHRD (Govt. of India) and SERB (DST, Ministry of Science and Technology, Govt. of India)
4. Tenure of the Project : 02 Years
5. Tenure of the Assignment : Extendable annually till completion of project, subject to satisfactory performance and availability of fund release by sponsoring agencies.
6. Job Description : JRF are required for the design, analysis and control of the linear and rotary electromagnetic actuator system
 - a. Analysis and control of power electronics system
 - b. Design and development of linear rotary actuator
 - c. Development of various sensors such as force, Temperature, displacement (linear and angular), and Humidity etc.
7. Reporting to : Principal and Co - Investigator
8. Consolidated monthly compensation / Fellowship : RS. 25,000/- per month
9. Essential Qualifications and experience : M.Tech/ M.E. (after B.Tech/ B.E.) in Electrical Engineering with 60% marks or 6.5/10 CGPA at both B.E./ B.Tech and M.E./M.Tech levels.

10. Desirable Qualifications/ Experiences : a. M.Tech in Power Electronics and Drives, Control systems and Instrumentation
b. Strong knowledge/interest of Finite element analysis, Electromagnetism, Control System
c. Exposure in MATLAB and ANSYS
11. Accommodation : Bachelors accommodation in the Institute may be provided subject to availability.

12. For technical information on the project, the candidate may contact the Investigators at the following addresses:

Name	Dr. Tarapada Roy (PI)	Dr. Somnath Maity	Dr. Gopalakrishna Srungavarapu
Department	Mechanical Engineering	Electrical Engineering	
E-mail	tarapada@nitrkl.ac.in	somnathm@nitrkl.ac.in	gopal@nitrkl.ac.in srungavarapug@nitrkl.ac.in

Eligible candidates may appear in a walk in interview on **26.06.2018** around **10:00 AM** at the **Department of Electrical Engineering**, National Institute of Technology, Rourkela-769 008. The candidates are required to submit the complete filled up form (hard copy) at time of interview. 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)

which must be filled by candidates in triplicate and also required to attach photocopies of all supporting documents. The candidates are also required to bring relevant documents mentioned in the application form (such as original all mark sheets and certificates, research papers (if any), experience certificate (if any) etc.)

Mere possession of essential/desirable qualifications and experience does not guarantee selection for the post. Candidates will be selected on merit and need of the project.

Asst. Registrar (SRICCE)

Copy to:

- 1) All Heads of the Departments, NIT, Rourkela for publication on Departmental Notice Boards.
- 2) Dr. Tarapada Roy, with a request to give wide publicity to advertisement.
- 3) Head of the Department, Mechanical Engineering
- 4) Project file