



**NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA – 769 008(ODISHA)  
SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION**

ADVERTISEMENT NO: NITR/SR/EE-039/2017/251

Dated: 25.10.2017

Applications are invited on prescribed format for the following assignment in a purely time bound research project undertaken in the Department of Electrical Engineering of the Institute.

1. Name of the Temporary Post : Junior Research Fellow (JRF)
2. Name of the Research Project : “Development of New Control Schemes with Optimal Trajectory Planning for a Group of Autonomous Underwater Robots in Unknown Environments”
3. Name of the Sponsoring Agency : DST-RFBR, Department of Science and Technology (DST)
4. Tenure of the Project : 02 Years
5. Tenure of the Assignment : 02 Years
6. Job Description : To carry out research in the field of underwater vehicle control. To develop a prototype underwater vehicle with necessary data acquisition and computing systems interfaced. To develop path planning control algorithms. To simulate the above algorithms in MATABL/SIMULINK and realize in real-time.
7. Consolidated monthly compensation / Fellowship : Rs. 25,000/- pm + 12 % HRA. Based on the performance of the research work, the fellowship may be converted in to Institute fellowship as per Institute rule.
8. Essential Qualifications and experience : ME/MTech in Electrical Engineering/Electronics & Communication/Computer Science in the specialization of Control System Engineering/ Control & Automation/Embedded System & Control & should have qualified GATE/NET examination.
9. Desirable Qualifications/ Experiences : Exposure on underwater experimentation, simulation and control.
10. Accommodation : Bachelor accommodation in the Institute may be provided subject to availability.

(P.T.O)

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

Name : Professor Bidyadhar Subudhi  
Address : Department of Electrical Engineering  
N.I.T., Rourkela-769 008  
Telephone No : 0661-2462416 (O), 9439031620 (Mob.)  
E-mail : bidyadhar@nitrkl.ac.in

Eligible persons may apply in the prescribed format (available in the Institute Website) affixed with coloured photographs to be submitted in duplicate along with photo copies of relevant certificates, grade/ mark sheets, publications etc., to **Asst. Registrar, SRICCE, National Institute of Technology, Rourkela-769 008** on or **before 15.11.2017**. The cover should be super- scribed clearly the post applied for & Name of the Project.

Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based 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) Professor Bidyadhar Subudhi, Principal Investigator with a request to give wide publicity to advertisement.
  - 3) Head of the Department, EE
  - 4) Project file.