



राष्ट्रीय प्रौद्योगिकी संस्थान, दुर्गापुर
NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

MAHATMA GANDHI AVENUE, DURGAPUR-713209

West Bengal, INDIA, www.nitdgp.ac.in

(An Autonomous Institution of the Govt. of India under MHRD)

Adv. No: NITDgp/DRDO/ R&DE(E)/JRF/PA/OS/Recruit/2026/01

Dated: 22.09.2026

Advertisement for the two (02) posts of Junior Research Fellow (JRF) two (02) posts of Project Assistant (PA) & one (1) post of Office Staff (OS)

Project Title: Modelling, Simulation & Hardware Development of EIT Prototype for Detection of Objects Buried Beneath the Soil Surface.

Funding Agency: DRDO, R&DE(E), PUNE-15.

Duration: One (1.0) year

Project Summary: The proposed project focuses on developing an Electrical Impedance Tomography (EIT) system for underground imaging. EIT identifies local changes in soil conductivity by injecting low frequency alternating electrical currents and measuring the developed boundary potentials. The work involves modelling and simulation of underground domains using computer software under different soil properties and geometries, AC current frequencies, electrode configurations, inhomogeneity shapes and sizes, and at different burial depths. A hardware prototype of the tomographic imaging device and image reconstruction software will be developed to obtain the conductivity profiles of the targeted domains. The project will also explore the scope of Electrical Capacitance Tomography (ECT) as a non-contact modality of underground imaging technique.

Qualification for JRF, Project Assistant & Office Staff (Total No of Positions 05):

Name and Number of the post	Eligibility Criteria	Duration	Fellowship
Junior Research Fellow (JRF): No Of Posts: Two (02)	Essential: Post Graduate Degree in Professional Courses* selected through a process described through any one of the following: Scholars who are selected through NET- CSIR-UGC – NET including lectureship (Assistant Professorship) and GATE. The selection Process through national level examinations conducted by Central Government Departments & Institute such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISER, NISER etc. Desirable Degree in the following courses*: Electrical Engineering/Electronics Communication Engg./Instrumentation Engg./Applied Electronics and Instrumentation Engg./ Electrical and Computer Sc. Engg./Electrical and Control Engg./Bio-Medical Engg. with minimum 55% marks from any recognized Institute/University or equivalent CGPA in the degree from any recognized Institute/University. .	One year. (co-terminus as per satisfactory performance	Rs. 37,000/- (Consolidated) per month for the fellowship period



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Name and Number of the post	Eligibility Criteria	Duration	Fellowship
	Previous research/project work experience (if any) will be preferred. • Inclination to work on electronic circuit design and computer simulation and programming. • Familiarity in analog and digital circuits and instrumentation. • Programing skills in LabVIEW, MATLAB and/or similar • Physiological data acquisition and analysis • Proficiency in English for scientific writing		
Project Assistant (PA) No of the Post: Two (02)	Essential: B.E./B.Tech. in Electrical Engineering/Electronics Communication Engg./Instrumentation Engg./Applied Electronics and Instrumentation Engg./ Electrical and Computer Sc. Engg./Electrical and Control Engg./Bio-Medical Engg. with minimum 55% marks from any recognized Institute/University or equivalent CGPA in the degree. Previous research/project work experience (if any) will be preferred. Desirable: • Inclination to work on electronic circuit design and computer simulation and programming. • Familiarity in analog and digital circuits and instrumentation. • Programing skills in LabVIEW, MATLAB and/or similar • Physiological data acquisition and analysis • Proficiency in English for scientific writing.	One year. (co-terminus as per satisfactory performance)	Rs. 25,000/- (Consolidated) per month for the fellowship period
Office Staff (OS) No of the post: one (01)	Essential: 10+2 (HS)/Diploma in any stream with minimum 55 % from any recognize institute/school. Desirable: Candidates with previous experience/graduate degree will be preferred. Familiar with MS-word, Excel, Official woks.	One year. (co-terminus as per satisfactory performance)	Rs. 14,000/- (Consolidated) per month for the fellowship period



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How to Apply:

The eligible and interested candidates are encouraged to apply for the Online interview by sending a cover letter and their complete bio-data, mentioning relevant research experience (if any) to the Principal Investigator e-mail ID (tkbera.ee@nitdgp.ac.in) and subject of the mail should mention “Application for the post of JRF/Project Assistant/Office Staff in DRDO Sponsored Project”, on or before 05.10.2026.

Mode of Selection:

- The Eligible and short-listed candidates will be selected be notified through email for the written test and/or interview.
- For the candidates with valid GATE/NET/Equivalent score will be selected through an interview via offline/online mode.
- For the candidates without valid GATE/NET/Equivalent score will be selected through a written test (through offline mode) followed by an interview via offline mode.

Terms and Conditions:

1. Applications reaching after specified time may not be allowed to seat for the examination and interview.
2. Canvassing in any form will directly disqualify the candidature.
3. The selected candidate is expected to join immediately after the recruitment.
4. The selected candidate may have to work outside the normal working hours and normal working days without additional incentives depending on the need to complete the project within the completion date fixed by the funding agency.
5. Short-listed candidates will have to produce their original ID proof, the original mark-sheets, certificates etc. at the time of interview, otherwise his/her candidature will be cancelled.
6. Other terms and condition will be as per those of NIT Durgapur.

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