



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)

Dated: 13/07/2022

Advertisement for the two posts of Senior Research Fellow (SRF)

Project Title: Design and Development of an AI-Based Portable Electrical Impedance Tomography (EIT) System for Respiratory Function Studies Using Machine Learning Techniques.

Funding Agent: DST, Government of India.

Duration: 3 years

Project Summary: The proposed 32 electrode based dynamic EIT system (available system is 16 electrode system) will be developed with higher resolution (compared to the 16 electrode EIT system) image reconstruction with novel image reconstruction algorithm. Moreover, the machine learning based EIT image analysis technique will provide the severity of the disease and the percentage of lung damage of lung injury.

Qualification for SRF:

Name and Number of the post	Eligibility Criteria	Duration	Fellowship
Senior Research Fellow (SRF) No of the Post: Two (02)	<p>Essential: M.E./M.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 6.5 CGPA or 60% marks from any recognized Institute/University.</p> <p>Minimum two years of research experience</p> <p>Desirable:</p> <ul style="list-style-type: none">• Inclination to work on electronic circuit design and computer simulation and programming.• Familiarity in analog and digital circuits and instrumentation.• Programming skills in LabVIEW, MATLAB and/or similar• Physiological data acquisition and analysis• Proficiency in English for scientific writing.	One year. Extendable up to 3 years, subject to funding and satisfactory performance	Rs. 35,000/- + HRA per month for the fellowship period

How to Apply:



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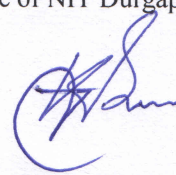
The eligible and interested candidates are encouraged to apply for the Online interview by sending a cover letter and their complete bio-data, mentioning relevant research experience (if any) to the Principal Investigator e-mail ID (tusharkanti.bera@ee.nitdgp.ac.in) and subject of the mail should mention "Application for the post of SRF in DST Sponsored Project (TDP/BDTD/50/2021(G))", on or before 31st July, 2022.

Mode of Selection:

The short-listed candidates will be notified through email and the selection interview will be conducted through online.

Terms and Conditions:

1. Applications reaching after specified time may not ordinarily be entertained.
2. Canvassing in any form will disqualify the candidature.
3. The selected candidate is expected to join immediately after recruitment.
4. The selected candidate may have to work outside the normal working hours and normal working days without additional incentives.
5. Selected candidate will produce the original ID proof, the original mark-sheets, certificates etc. at the time of joining, otherwise his/her candidature will be rejected.
6. Other terms and condition will be as per those of NIT Durgapur.

 13/07/2022

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