



Indian Institute of Science

CV Raman Rd, Bengaluru, Karnataka 560012

Advertisement for the Post of Junior Research Fellow (JRF) in Centre for Nano Science and Engineering (CeNSE)

(<https://www.cense.iisc.ac.in/neuroelectronics/>)

Date: 08-01-2025

We are seeking qualified and enthusiastic candidates for the post of Junior Research Fellow (JRF) in a fixed-duration research project, purely on contractual basis as per the following details. Please e-mail your CV and SOP with the subject line “Application for JRF under SERB project” to vini@iisc.ac.in.

Position	Junior Research Fellow (JRF)
Number of Vacancy	01 (One)
Project Title	Developing novel devices for recording electrical activity of neurons
Department	Centre for Nano Science and Engineering (CeNSE), Indian Institute of Science, Bengaluru
Project Tenure	One year (extendable based on funding and performance)
Job Description	The JRF is expected to design and conduct research experiments, analyze the data, write reports and manuscripts, and present as required. Regular tasks include working on device fabrication, device characterization and analysis, material characterization, and optimization.
Job Type	Full Time
Essential Qualification	Post Graduate Degree in Basic Science OR Graduate/Post Graduate Degree in Professional Course selected through a process described through any one of the following a. National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) and GATE b. National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc.
Required Experience and Skills	Knowledge of micro and nano-fabrication techniques, semiconductor material, and device

	<p>characterization is preferred. Prior research experience in micro-processing brittle materials, device fabrication, and testing. Hands-on experience in different tools involving techniques for knowing the structural information (SEM, AFM, profilometer), electrical and electro-chemical material testing systems (probe stations including Potentiostat, impedance analyzer), and plasma-based systems for material depositing and micro-patterning will be an advantage.</p>
Age Limit	<p>JRF-30 years (as per the information bulletin (December 2024) provided at https://csirnet.nta.ac.in/)</p>
Fellowship	<p>Rs. 37,000/- per month + HRA as per DST norms</p>
Joining Date	<p>February 10th, 2025</p>
Application Deadline	<p>January 17th, 2025. Shortlisted candidates will be intimated by email and may be called for online / offline interview.</p>