



22-05-2026

Junior Research Fellow Position under BITS Pilani Cross-Disciplinary Research Framework (CDRF) Funded Project

Applications are invited for the position of a Junior Research Fellow at the Department of Chemistry (BITS Pilani, K K Birla Goa Campus) and at the Department of Electrical & Electronics Engineering (BITS Pilani, Pilani Campus) under BITS Pilani CDRF funded project titled “Intelligent High-Performance Room Temperature Gas Sensing with Vacancy Ordered Halide Perovskites – Porphyrin Hybrids”

Principal Investigators: Prof Bhavana P, Department of Chemistry, BITS Pilani, K K Birla Goa Campus
Prof Meetha V Shenoy, Department of Electrical & Electronics Engineering, BITS Pilani, Pilani Campus

Duration of the Project: 2 years

Fellowship Amount (Rs.): 37,000/- per month

Work Description: The proposal aims to develop a prototype of gas sensor for NH₃ (and for NO_x) based on vacancy ordered halide perovskites – porphyrin hybrids, with high sensitivity and selectivity, and stability at room temperature. The selected candidate is expected to perform lab experiments, writing reports and publishing articles based on the experimental findings in peer-reviewed journals.

Qualification: Minimum eligibility to apply for the position is MSc in Chemistry (with at least 60 % marks) or ME/MTech in interdisciplinary branches relevant to the topic (with at least 60 % marks). Candidates with lab experience in Inorganic chemistry, Synthesis and Electrochemistry is preferred.

Accommodation: Hostel accommodation at BITS Pilani (K K Birla Goa Campus and Pilani Campus) will be provided, subject to availability and will be governed by the rules and regulations of the institute prevailing at the time of joining.

How to Apply: Interested candidates may send application and curriculum vitae with details of research experience to the principal investigators by email (Email: pbhavana@goa.bits-pilani.ac.in cc to meetha.shenoy@pilani.bits-pilani.ac.in) clearly mentioning the email subject as “Application for Junior Research Fellow Position under BITS Pilani CDRF Funded Project”. Only shortlisted candidates will be contacted *via* email for an online interview.

The recruited Junior Research Fellow can apply for the PhD position at BITS Pilani (Rules of PhD program for BITS Pilani are applicable)

Deadline to apply: June 7, 2026

