



Birla Institute of Technology & Science, Pilani

K K Birla Goa Campus

CALL FOR RESEARCH STAFF (Junior Research Fellow)

Application Deadline: 25th November 2025

Date: 10th November 2025

Applications are invited from highly motivated candidates for the position of **Junior Research Fellow (JRF)** in the **Department of Chemical Engineering**, BITS Pilani, K. K. Birla Goa Campus, Goa, to work on an **industry sponsored project**, titled “*Energy and Carbon Sustainability via valorization of various lignocellulosic solid waste with technology interventions*”. The appointment will be **purely on a contractual basis**.

Position	Junior Research Fellow (JRF)	Vacancy	1
Duration		3 years	
Fellowship	JRF: Rs. 37,000 + HRA as per norms	Investigators	Prof. Abhishek Sharma (PI) Prof. Riju De (Co-PI) Prof. Jayita Chopra (Co-PI)
Project Description	The project is purely computational in nature, involving the development of AI-ML-based models for biochar production from pyrolysis of various biomass feedstocks. Subsequently, the formulated data-driven models will be used to optimize pyrolysis operating conditions using appropriate optimization algorithms.		
Desired Skillset	Interest in waste valorization and renewable energy research; Knowledge of mathematical modeling and acquaintance with basic programming skills in Python or MATLAB.		
Qualification	M.E./ MTech in Chemical/ Mechanical/ Energy Science Engineering or equivalent with a minimum of 60% marks in B.E. or BTech in Chemical/ Mechanical/Energy Science Engineering. Preference will be given to students having prior experience on computational works with certain background of programming knowledge in Python/ MATLAB.		
Registration for PhD	Selected JRF candidate will have the opportunity to apply for the PhD programme at BITS Pilani, K. K. Birla Goa Campus, subject to their performance (Rules of PhD program for BITS Pilani are applicable) and may be provided with an opportunity to apply for the Prime Minister Fellowship		

How to Apply: Interested candidates may apply via email to rijud@goa.bits-pilani.ac.in by **25th November 2025, 23:59 IST**. Candidates must attach their recent curriculum vitae with details of research experience(s) while filling the form. For queries, contact PI via email: abhisheksharma@goa.bits-pilani.ac.in. Candidates will be shortlisted based on merit and as per the project requirement. Only shortlisted candidates will be contacted via e-mail for an online/personal interview to be held at BITS Pilani- K. K. Birla Goa Campus. No TA/DA will be paid for the Interview.

Accommodation: Hostel accommodation will be provided subject to availability and will be governed by the rules and regulations of the Institute prevailing at the time of joining of the candidate.

