BITS PILANI FOUNDATION FOR ADVISORY CONSULTANCY TECHNOLOGY TRANSFERS

JRF position under Divgi TTS funded project at BITS Pilani K K Birla Goa Campus

Applications are invited for the position of Junior Research Fellow (JRF) in the Department of Mechanical Engineering at BITS Pilani, K. K. Birla Goa Campus, Goa for a **Divgi TorqTransfer Systems Ltd** sponsored research project titled ***"CFD Evaluation and Optimization of Oil Flow and Thermal Distribution of Electric Vehicle Transmission Lubrication***" (*BITSFACTT / 2026 / SR / G / 002*).

Principal Investigator: Prof. Abhinava Chatterjee **(Profile Link)**

Co-Principal Investigator: Prof. Pritanshu Ranjan **(Profile Link)**

Co-Principal Investigator: Prof. Vaibhav Joshi **(Profile Link)**

Broad area of Research: Mechanical Design, Automobile Engineering, Lubrication, Fluid Dynamics

Duration of the project: 36 months

Fellowship Amount (Rs.): Rs. 37,000 per month plus HRA as applicable.

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.

Qualification: First class Post Graduate Degree (M.E./M.Tech./M.S.R) in Mechanical Design/Automobile Engineering/ Applied Mechanics/ Maintenance Engg. and Tribology/Aerospace Engineering /Fluids and Thermal/ Post Graduate in Mechanical Engineering Degree selected through a process described through any one of the following:-

1. Scholars who are selected through National Eligibility Tests- GATE.
2. The Selection process through National level examinations conducted by central Government departments and their agencies and Institutions such as DST, DAE, DRDO, MHRD, IIT, IISc, IIITs IME India etc.

Desirable Skills: We seek a candidate with a strong passion for Automotive engineering research and prior research/industrial experience in computational fluid dynamics. The ideal candidate should be enthusiastic to transform your passions into reality with advanced CFD techniques such as flow visualization, velocity measurements, and experimental validation. Additionally, the candidate should possess programming skills (MATLAB and Python), advanced knowledge of SolidWorks and have a problem-solving mindset. While prior experience in these areas is desirable, we are also open to candidates eager to quickly learn and develop these skills during the project. The selected candidate may be permitted to register for the Ph.D. programme at the BITS, Pilani, Goa campus, subject to fulfilling the institutional eligibility criteria and requirements.

How to Apply: Interested eligible candidates may send application and curriculum vitae with details of research experience to the principal investigator (email: **of PI-abhinavac@goa.bits-pilani.ac.in**) latest **by (30th Nov 2026, 5 PM)**. Only shortlisted candidates will be contacted via e-mail for online interview to be held at BITS Pilani, Goa Campus in the presence of Industry experts also and no TA/DA will be paid for the Interview.

Selected candidate will get a chance to apply for **Full-time PhD degree at BITS Pilani, K. K. Birla Goa Campus** (Rules of PhD program for BITS Pilani are applicable). There is a fair scope of getting inducted in the sponsoring automotive manufacturing organization after the successful completion of doctoral research work and contribute to sustainable mobility.