



## Call for Junior Research Fellow Position in an Industry Sponsored Project

Applications are invited for **ONE** project positions at Chemical Engineering Department, BITS Pilani, Hyderabad Campus for a project titled “**Developmental studies on Interlaminar Fracture Toughness of Neat Resin and Composites**”. The study aims to investigate the fracture mechanisms, crack propagation behavior, and influence of material constituents on toughness properties using Mode I, Mode II, and Mixed-Mode fracture testing.

**Broad Area of Research:** Fracture mechanics, composite materials

**Consolidated Pay:** ₹37,000 per month (for B.E./B.Tech + experience in suitable field or M.E./M.Tech qualification)

**Duration:** 6 Months

**Place of work:** Department of Chemical Engineering, BITS-Pilani, Hyderabad Campus

**Application process:** Please apply with your **CV** and a **Cover letter** using the link given below.

**Google form link:** <https://forms.gle/hh6e8LFPWiPd1BnH7>

**Deadline:** **9th February 2025 (Sunday), 11:59 PM**

Shortlisted candidates will be contacted via e-mail for an online interview.

**Essential Qualification:** M.E./M.Tech in Chemical/Mechanical/Aerospace/Materials Engineering/ relevant disciplines or Candidates with B.E./B.Tech in Chemical/Mechanical/Aerospace/Materials Engineering with valid experience may also apply.

### Desired Qualification:

1. Experience in polymer composites, mechanical testing, and fracture mechanics
2. Hands-on experience in material characterization techniques (SEM, DMA, DSC, FTIR, etc.)
3. Strong analytical and experimental skills

FAQs: For more queries applicants can reach out to [ramesh.babu@hyderabad.bits-pilani.ac.in](mailto:ramesh.babu@hyderabad.bits-pilani.ac.in) and [pavankp@hyderabad.bits-pilani.ac.in](mailto:pavankp@hyderabad.bits-pilani.ac.in)

### Faculty Team:

Prof. Ramesh Adusumalli (PI), Department of Chemical Engineering, BITS-Pilani, Hyderabad Campus

Prof. Pavan Kumar Penumakala (Co-PI), Department of Mechanical Engineering, BITS-Pilani, Hyderabad Campus

