

Position: Project Assistant/Associate

Department: Department of Aerospace Engineering, Indian Institute of Science, Bangalore.

Theme / Research area: Propulsion / Experimental combustion

Contract duration: up to 1 year with a 3-month probation

Announcement date: 30-March-2023

Salary: As per IISc norms

Application deadline: 20-April-2023

Application procedure: Cover/motivation letter and CV with names of two references should be emailed to Dr. Irfan Mulla (irfanmulla@iisc.ac.in) with the subject: "Application for project staff". In the cover letter, you shall highlight how you meet essential or desired qualifications.

Job description: The project objective is to investigate emissions in a model gas turbine combustor. Responsibilities involve designing the combustor, coordinating its fabrication, and performing experimental measurements using laser and camera. Secondary responsibility includes the procurement of equipment/consumables to manage the day-to-day lab operation.

Essential qualifications: Bachelor's or Master's degree in Mechanical or Aerospace engineering. Exposure to experimental thermo-fluid project work. Skills in CAD software and 2D drawings. Competence in MATLAB-based image and data processing.

Desired qualifications: Experience in experimental combustion research and laser-based techniques. Master's degree in Mechanical or Aerospace engineering.