

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: 04-Jul-2024

Salary: As per IISc norms

Application deadline: 26-Jul-2024

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 and academic laminar burners. 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.