Department of Computational and Data Sciences
Indian Institute of Science
Bangalore - 560012

Advertisement No : CDS/KA/JUL2025/PD

Date: 04/07/2025

Advertisement for the post of Postdoctoral Researcher

Applications are invited for a postdoctoral position in the FLAME lab at CDS, IISc. The details are provided below:

Specific Roles and Responsibilities: The project work involves the following tasks -

- Deriving numerical schemes to solve Navier-Stokes Equations using finite volume.

- Implementation of the schemes into an in-house flow solver.

- Simulations of turbulent combustion phenomena.

- Presenting results at conferences and writing journal papers.

Essential Qualifications:

- PhD degree in mechanical, aerospace, chemical, computer science, computational and data sciences or equivalent subjects

- Knowledge of numerical methods, fluid dynamics, combustion, programming concepts

- Familiarity with Fortran or C/C++

- Familiarity with the fundamentals of parallel programming (preferable)

The applicants are expected to be comfortable with Unix/Linux operating system, possess good communications skills (speaking and writing) and should be willing to work in a team environment.
Salary: depending on experience; as per GOI norms

Terms of Appointment: Initially for one year and renewable thereafter depending on performance.

How to Apply: Interested candidates may send their resume by email to: konduriadi@iisc.ac.in (preferably in pdf format, with subject marked "Advertisement No. CDS/KA/JUL2025/PD"). Candidates should also complete the programming task and send the link to the git repository of the solution with the mail. In the resume, provide evidence to meeting the essential qualifications listed above.

Last Date for Application: Rolling advertisement until the position is filled.

Contact Details:
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