



Indian Institute of Technology Jodhpur

Office of Research and Development

Advt. No.: IITJ/R&D(Advt.)/2022-23/81

09 March 2023

Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the Sponsored Project at this Institute. The position is purely temporary, initially for a period of 01 year, and same extendable but co-terminus with the duration of the project, on a contractual basis with consolidated pay. The requisite qualification, experience and other details are given below:

1.	Project No.	S/DRDO/PRP/20220048
2.	Project Title	Thermal Performance Prediction of Multi-Layered Ensembles Subjected to Fire Exposure using ANSYS
3.	Name of the Project Investigator	Dr. P. Ravi Prakash
4.	Duration for initial appointment	8 months
5.	Name of the Post	Junior Research Fellow
6.	Post	01
7.	Consolidate Pay	Rs. 31,000/- +HRA (As per funding agency norms)
8.	Minimum Qualification and Experience	<p><u>Essential Qualification:</u></p> <ol style="list-style-type: none">1. B. Tech./ M. Tech. in Mechanical /Civil/ Chemical Engineering with a minimum of 60% marks or equivalent CGPA in aggregate.2. GATE qualified <p><u>Desired Qualification:</u></p> <ul style="list-style-type: none">• Expertise in heat and mass transfer,• thermodynamics, numerical methods,• computational fluid dynamics• Expertise in ANSYS Fluent and ANSYS• Proficient in programming using <u>Python/ Java/ C /C++</u>
09.	Brief description of Project	<p>This project aims to develop a computational framework for the heat-transfer analysis of multi-layered thermal protection ensembles (TPEs) susceptible to various fire scenarios. The computational framework is based on a finite volume approach and will be implemented in ANSYS Fluent. The framework performs 3D heat transfer analysis of multi-layered TPEs subjected to incident flame and radiation exposure considering combined conduction and radiation through fabric, heat and mass transfer in air gaps,</p>

		bio-heat transfer within peripheral skin layers.
10.	Job Description	Numerical modelling of thermal response of fire protection ensembles for a given heat-flux
11.	Maximum Age	Not more than 28 (Relaxation up to 05 years in case of candidates belonging to Scheduled Castes and Scheduled Tribes, and up to 03 years in case of candidates belonging to OBC.

The candidates possessing the requisite qualification and experience should apply through the **ONLINE process** up to **23 March 2023**. The candidates are advised to send a soft copy of the application with all relevant documents to recruitment_rnd@iitj.ac.in (*Please mention the advertisement number in the subject line of the email*). *No need to send a hard copy.*

General Instructions to Applicant(s)

1.	The post(s) is purely temporary and contractual for a period of 08 Months and extension based on satisfactory performance, but co-terminus with the duration of the project
2.	Application which is incomplete, not in prescribed format, without photograph or unsigned will be summarily rejected.
3.	Certificate in support of experience should be in proper format i.e. it should be on the organizations letter head, bear the date of issue, specific period of work, name and designation of the issuing authority along with his signature.
4.	Institute reserves the right to: a. Fix, modify or revise the eligibility conditions, age and selection criteria as per its requirements, at any time. b. Fill up the post, not to fill up the post or cancel the advertisement in whole or partly without assigning any reason. c. Place a reasonable limit on the total number of candidates to be called for the Written Test and/or Skill Test, Interview.
5.	The Institute shall verify the antecedents or documents submitted by a candidate at the time of appointment or during the tenure of the service. In case, it is detected that the documents submitted by the candidates are fake or the candidate has a clandestine antecedents/background and has suppressed the said information, then his/her services shall be terminated.
6.	Higher initial pay may be given to exceptionally qualified/deserving candidate.
7.	No TA/DA shall be paid to the candidates for attending the interview.
8.	No correspondence will be entertained from candidates regarding interview and reasons for not being called for interview.
9.	Canvassing in any form will be a disqualification.
10.	No interim correspondence will be entertained.
11.	No need to send hard copy.

Officer In-charge
Research & Development