



# Indian Institute of Technology Jodhpur

## Office of Research and Development

Advt. No.: IITJ/R&D/2021-22/22

03 September 2021

### Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the Sponsored Research Project at this Institute. The position is purely temporary, initially for a period of 04 Months, and extendable but co-terminus with the duration of the project, on contractual basis with consolidated pay. The requisite qualification, experience and others details are given below:

|    |                                      |  |
|----|--------------------------------------|--|
| 1. | Project No.                          | S/ISRO/AKR/20200104  |
| 2. | Project Title                        | Film cooling for Ejector Diffuser system in High Altitude Testing Facility   |
| 3. | Name of the Project Investigator     | Dr. Arun Kumar R   |
| 4. | Duration of Initial Appointment      | 04 Months  |
| 5. | Name of Initial Appointment          | Junior Research Fellow   |
| 6. | Post                                 | 01   |
| 7. | Consolidate Pay                      | Rs.31,000/- +HRA   |
| 8. | Minimum Qualification and Experience | <u>Essential Qualification:</u><br>M. Tech. or M.S. in the following streams selected through GATE or equivalent test conducted by IIT's or NIT's;<br>a) Mechanical Engineering b) Thermofluids/ Thermal Engineering c) Aerospace Engineering d) Automobile Engineering e) Design Engineering<br><u>Desirable:</u><br>Experience in CFD simulation using Ansys Fluent. |
| 09 | Job Description                      | The candidate has to perform Multiphase CFD Simulation using Ansys Fluent.<br>The candidate has to design experimental models and Perform experiments in supersonic wind tunnel.<br>The candidate has to follow up with vendors for the Fabrication of various test geometries.  |
| 10 | Brief description of Project         | Multiphase CFD simulation of liquid film over hot Surface.<br>Experimental study of liquid film injection in Supersonic flows.   |
| 10 | Maximum age                          | 37 Years   |

The candidates possessing the requisite qualification and experience should apply through the ONLINE process up to **17 September 2021**. The candidates are advised to send a soft copy of the application with all relevant documents to [recruitment\\_rnd@iitj.ac.in](mailto: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 04 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.  | The Institute reserves the right to: (a) conduct written/trade tests for such posts wherever if the circumstances so warrant (b) not filling any of the advertised positions (c) fill consequential vacancies arising at the time of interview from available candidates. The number of positions is thus open to change.  |
| 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.  | No TA/DA shall be paid to the candidates for attending the interview.  |
| 7.  | No correspondence will be entertained from candidates regarding interview and reasons for not being called for interview.  |
| 8.  | Canvassing in any form will be a disqualification.   |
| 9.  | No interim correspondence will be entertained.   |
| 10. | No need to send hard copy  |

Officer In-charge  
Research & Development