



Advertisement for project staff in an ISRO funded Research project

Applications are invited from suitable candidates for Project staff to work on the research project sponsored by ISRO-RESPOND & AI, DS-2B-13012(2)/62/2019-Sec.2 under the supervision of **Dr. Dushyant Singh (PI), Associate Professor in the Department of Mechanical Engineering, NIT Jalandhar**

Title of the project: *Experimental and numerical investigation of the flame deflector for conducting ground testing of cluster nozzle semi cryo stages*

Appointment will be ON PURELY TEMPORARY BASIS, which may be extended further depending on the performance evaluation basis and on the approval of the sanctioning agency ISRO-RESPOND & AI till the end of the project. The appointment is for a time bound project and the candidate is essentially required to work for successful execution of the project objectives and completion of the project.

No. of Project Staff position : (01)

Fellowship: The fellowship amount shall be as per ISRO-RESPOND norms.

Eligibility requirements:

For JRF position: Post-graduate degree in basic science or Graduate/Post Graduate Degree (M.Tech) in Mechanical/Thermal/Aerospace/other relevant field with minimum 60% marks as average of all semesters in aggregate or CGPA/CPI grading of 6.5 on a 10 point scale or equivalent and with GATE/NET as per ISRO-RESPOND guidelines.

If the candidate will not be found suitable for the JRF position, they may be considered for Project Associate -1 as per ISRO-RESPOND guidelines.

Age Limit: Below 35 years on the last date of application.

Desirable Knowledge:

Preference will be given to Graduate/Post Graduate Degree (B.Tech in Mechanical Engineering/Aerospace Engineering and M.Tech in Mechanical/Thermal/Aerospace/other relevant field) candidates with working experience relevant to the project. Candidates with **one or more of the following** skills are strongly encouraged to apply:

- Good research potential in the fluid flow-heat transfer, Multiphase and compressible flow area (in the form of the enthusiastic and determined individual who can work both independently as well as in the context of a team with ISRO lab.)
- Good skill in designing, building, and conducting the experimental work.
- Workable experience in ICEM CFD, FLUENT, OpenFOAM, programming languages (C or FORTRAN) and various CAD software may be beneficial.
- Core Background in the following subject knowledge: Fluid Mechanics, Heat Transfer, Multiphase and CFD.

Dushyant Singh

- Candidates with proven technical writing skill with publications record in reputed SCI journals may be preferred.

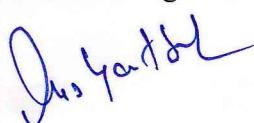
Duly filled-in application forms along with the recent passport-size photograph, self-attested photo copies of the degree certificate and mark sheets with complete bio-data must be sent to Principal Investigator, “**Dr. Dushyant Singh (PI), Associate Professor, Department of Mechanical Engineering, Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab-144008**” in the prescribed format by hand or speed/registered post. On the envelope, please inscribe “**Application for the post of Project Staff in Mechanical Engg. for Dr Dushyant Singh ISRO-RESPOND Project**”.

Candidates may send a scanned copy in a single PDF file of the same in advance to dushyants@nitj.ac.in for review purposes. However, Hard copies of the application are mandatory for the review process.

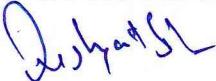
Please note that only shortlisted candidates will be informed of interviews to be held in hybrid mode. Selected candidates may be permitted to register for the Ph.D. program at NIT Jalandhar subject to the fulfillment of Institute norms.

Note:

- ❖ The appointment of the project staff will be purely temporary/ ad-hoc /contractual basis and valid for the period mentioned above or until the services are required by the Project PI, whichever is earlier.
- ❖ The services of the project staff will be liable to termination at any time without any notice and without assigning any reason.
- ❖ The Project Staff will be engaged initially for ONE YEAR and is extendable for further period based on the assessment of their work and requirements of project.
- ❖ The appointment shall be specifically for the aforesaid project and staff member will not have any claim / right on any post in the Institute.
- ❖ Only short-listed candidates will be communicated to appear in the written/interview and no other communications in this regard will be entertained.
- ❖ A screening committee shall shortlist the candidates to be called for written/interviews, based on the specialization and availability of candidates and requirements as per the project. Candidates will be short listed based on their merit and as per the requirement of the project.
- ❖ Only passed candidates are eligible to apply. Students waiting for final result are not eligible and hence need not apply.
- ❖ Where a university mentions only CGPA in its Degree certificate or Consolidated Mark-sheet, then the CGPA so mentioned should necessarily meet DOS/ISRO's eligibility criteria. Conversion of CGPA into percentage of marks is not permitted to determine eligibility regardless of whether any conversion formula is prescribed by the University/Institution concerned. The same criteria apply mutatis mutandis in cases where only percentage of marks is mentioned in Degree Certificate/Consolidated Mark-sheet.
- ❖ Where a university mentions both CGPA & Percentage of marks in Degree certificate or Consolidated Mark-sheet, then at least one criterion i.e. either CGPA or percentage of marks should meet ISRO/DOS eligibility norms.
- ❖ LAST DATE OF SUBMISSION OF ONLINE APPLICATION IS WITHIN TWO WEEKS FROM THE DATE OF ADVERTISEMENT
- ❖ The shortlisted candidates will be called to appear in the interview (hybrid) mode. The information of interview schedule will be communicated through email only provided in the application.
- ❖ Only Indian Nationals need to apply.



- ❖ It is for the candidate to ensure that he / she fulfils the eligibility criteria and comply with all the requirements and adheres to the instructions contained in this advertisement as well as in the application form in all respects. Candidates are therefore, urged to carefully read the advertisement and fill in the application form and submit the same as per the instructions given in this regard.
- ❖ Applications submitted without complete information, photo of the applicant, etc. will summarily be rejected.
- ❖ LAST DATE FOR RECEIPT OF ONLINE APPLICATIONS will be the cut-off date for all purposes like determining the age, qualification, etc.
- ❖ Original documents of age proof/certificates/degrees/mark sheets and other testimonials must be presented at the time of the interview. Complete information with regard to GATE score, such as year of passing, discipline, score, marks, All India Rank, and the number of candidates who appeared, should be mentioned in the application form.
- ❖ No TA/DA will be paid for attending the interviews.



Dr Dushyant Singh

(Principal Investigator)

Associate Professor

Department of Mechanical Engineering

Dr B R Ambedkar National Institute of Technology

G.T. Road, Amritsar Bypass, Jalandhar (Punjab), India – 144008

Email ID: dushyants@nitj.ac.in ; **Mobile No.:** +91-1815037926

Application form of Project Staff for Research Project

Name of the applicant (in full block letters):

1. Father's/Mother's/Guardian's/Husband's Name:

2. Date of birth: Age:

Sex (Male /Female):

Marital status (single/married):

Category: SC/ST/OBC/PWD/General:

3. Address of communication:

Mobile no: Email:

4. Educational Qualifications:

(From 10th or equivalent onwards, self-attested copies to be enclosed)

Examination passed	Year of passing	University/Board	Division/ Class % of Marks*	Subjects

5. Professional Experience (if any)

S. No.	Designation	Name of Organization	Period		Nature of Work
			From	To	

6. Research Publication (if any):

7. Awards, patents, prizes etc (if any):

8. Any other information relevant to the post (if any):

9. GATE/NET/Any other: Qualified (Yes/No): Score: ___, Rank: ___, Year ___.
Specialization:

10. Interest in joining the post:

11. Contact details of two referees:

(1) Name :Designation..... Organization..... Email.....

(2) Name :Designation..... Organization..... Email.....

DECLARATION: I do hereby declare that the above information furnished by me are true and correct to the best of my knowledge.

Place:

Date:

Signature of the applicant

List of enclosures: