



**Dr B R Ambedkar National Institute of Technology, Jalandhar**  
G T Road Bye Pass, Jalandhar (Punjab) INDIA – 144011  
(An Institute of National Importance)

Dated: 13/08/2021

**Advertisement for the Post of Junior Research Fellow**

Applications are invited for the one post of Junior Research Fellow (JRF) under Department of Science and Technology (DST), under Applied Research Solar Stream, funded research project entitled 'Concentrated Solar Air Heater with Passive Tracking Mechanism and Corrugated Receiver' (Sanction Order No. DST/TMD/CERI/RES/2020/38(G) dated 29/07/2021). The principal investigator is Dr. Tangellapalli Srinivas, Associate Professor, Department of Mechanical Engineering, NIT Jalandhar. The Co-PI is Dr. Rajan Kumar, Asst. Professor, Department of Mechanical Engineering, NIT Jalandhar.

The staff will be appointed for two years purely on temporary basis.

Details of post, qualifications, emoluments and duration are as follows

Name of the post	Junior Research Fellow
Number of posts	01
Eligibility	<p>Graduate/Post Graduate Degree in Professional Course selected through a process described through any one of the following.</p> <p>(a) Scholars who are selected through National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.</p> <p>(b) The selection process through National level examination conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.</p> <p>Desirable qualification: B.Tech/B.E in Mechanical Engineering with valid GATE score and two years of research experience. Or First class with not less than 60% aggregate (or) not less than 6.5 CGPA on a 10-point scale in BE/B.Tech. in Mechanical Engineering and <b>M.Tech/ME in the specializations of Mechanical Engineering (or) Machine Design</b> from a recognized technical institute/university as a full time program through GATE.</p>
Duration	Two years
Consolidated Salary	Fellow ship of Rs. 31,000/- pm for two-year duration. Hostel accommodation may be provided based on availability as per the Institute norms.
Other Benefits	The selected candidate may be registered for Ph.D. at NIT Jalandhar as per the institute norms.
Age limit	32 years as on the last date of submission of application. However, age relaxation will be given for the deserving candidates.

Desired skills	<ul style="list-style-type: none"> <li>✓ Knowledge on Design of Machine Elements and Thermal Systems</li> <li>✓ CAD/fabrication/manufacturing</li> <li>✓ Modeling, simulation and optimization</li> <li>✓ Solid works and animations</li> <li>✓ CFD/MATLAB Programming</li> <li>✓ Ability to write technical research articles, work on team and good communication skills</li> </ul>
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**How to apply:** Interested and eligible candidates are requested to apply in the prescribed application format given below along with a covering letter. Filled in hard copy of application with the supporting copies of certificates should be sent by post/courier to the correspondence address given below with a superscription on the envelope containing “Application for the post of Junior Research Fellow (DST)” so as to reach by **9<sup>th</sup> September, 2021**. The softcopy with attachments (merged to single file) can be mailed to [srinivast@nitj.ac.in](mailto:srinivast@nitj.ac.in) with a subject line of JRF-DST.

The institute reserves the right to accept application at any time, and consider candidates for candidates of exceptional credentials without applications. Mere possessing the prescribed qualification does not ensure that the candidate would be called for interview. The candidates will be shortlisted on the basis of merit and need of the project. Shortlisted candidates will be informed by email (apart from website) about the interview date. The candidates must provide valid email ids in the application. Shortlisted candidates have to present themselves for the interview on the interview date with updated CV and original and attested photocopies of mark sheets/certificates in support of their academic qualifications. Applicants in employment (private, government or any other organization) are required to submit a ‘No Objection Certificate’ (NOC) from the employer at the time of the interview. No TA/DA will be paid for appearing the interview. Candidates called for written test/interview will be posted in the institute website.

### **Address for Correspondence**

**Dr. Tangellapalli Srinivas**

Principal Investigator, DST Project

Associate Professor, Department of Mechanical Engineering

Dr. B.R. Ambedkar National Institute of Technology, Jalandhar

G.T. Road, Amritsar Bye-Pass, Jalandhar (Punjab), India – 144011

Email: [srinivast@nitj.ac.in](mailto:srinivast@nitj.ac.in)

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**Application for the Position of JRF**

1. Name of the candidate (BLOCK LETTERS):

2. Father's name (BLOCK LETTERS):

3. Date of birth: (DD/MM/YYYY):

Sex (Male/Female):

Marital status (Single/Married):

Nationality:

Category: SC/ST/OBC/EWS/General:

4. Address

Correspondence:

Permanent:

5. Phone numbers: Land line with STD code: \_\_\_\_\_ Mobile: \_\_\_\_\_

6. Email id:

7. Academic qualifications (starting from SSC or equivalent)



Name of Exam/Course passed	Name of the school/institute/university	Year of passing	Discipline/Specialization	Percentage of marks/CGPA Out of 10

8. GATE/Any other: Qualified (Yes/No): Score: \_\_\_\_\_, Rank: \_\_\_\_\_,  
Year\_\_\_\_\_.

Specialization:

9. Experience of Teaching (if any) and R&D (attach copy of experience certificate and NOC  
in case working)

10. Are you interested to register for Ph.D. at NIT Jalandhar, if selected: Yes/No.?

11. Contact details of two referees:

Details	Referee I	Referee II
Name		
Designation		
Organization		
Office address		
Phone number		
Email id		

12. Publications if any (attach copies of best three papers in your opinion):

13. For any other relevant information:

#### DECLARATION

I ..... hereby declare that all the information furnished in this application is true to the best of my knowledge and belief. In the event of the any information being found false/incorrect or any ineligibility being detected before or after the selection, my candidature is liable to be cancelled. If selected, I promise to abide by the rules and regulations of the Institute.

Date:

Place:

Signature of the Candidate

Note: If any extra information is to be furnished, separate sheets may be attached.