

DEPARTMENT OF MECHANICAL ENGINEERING
JNTUH COLLEGE OF ENGINEERING, HYDERABAD
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
(Established by Govt. Act No. 30 of 2008)

KUKATPALLY, HYDERABAD-500085, TELANGANA, INDIA

Advt. No. JNTUHCEH/R&D/MECH/DST/SERB/JRF/Rect/1/2022 Date: 02/03/2022

Ref: EEQ/2021/000637

Applications are invited in the prescribed format for the following positions for the DST-SERB, Government of India sponsored project.

Title of the Project	Weight Reduction of Automobiles through Electromagnetic forming of Advanced and Ultra High Strength Steel Tailor Welded Blanks
Sponsoring Agency	Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India
Title of the Position	Junior Research Fellow (JRF)
Number of Position (s)	One
Duration of the Project	Three Years
Duration of the Appointment	Initially for One year with possible extension depending on performance
Essential Qualifications	B.E./B.Tech in Mechanical engineering/ Metallurgical Engineering with 65% or 7.00 CGPA and M.E./M.Tech in Manufacturing Science/ Advanced Manufacturing Systems/ Production Engineering and similar fields with 70% or 7.50 CGPA (and) Valid GATE score
Computer proficiency requirement	Solid works, ANSYS, C/MATLAB programming, MS Office, D-form
Age Limit	30 Years as on the last date for submission of applications.
Age Relaxation	Up to five years for SC/ST/PWD
Fellowship	Rs31000 + HRA
Research Work Requirements	<ol style="list-style-type: none">1. Candidate is expected to work with 3D CAD modelling and Finite Element Analysis software package2. Should know the fundamentals of welding and metal forming.3. Able to Carry out experiments in friction stir welding and high strain rate metal forming.4. Able to Prepare and characterize FSW welds for mechanical properties.5. Should possess good communication skills and have experience in

	<p>experimental research and able to work in a team</p> <p>6. Ability to perform literature review and capable of developing new innovative designs for the friction stir welding and (high strain rate) metal forming</p> <p>7. Should contribute to the dissemination of knowledge gained through research by preparing, presenting findings and publishing the findings in scientific research articles.</p> <p>8. Perform variety of roles in testing laboratories</p>
Ph.D. enrollment	The selected candidates will be encouraged to register for Ph.D. degree at JNTUH subject to fulfillment of all other conditions. The selected candidate needs to apply for PhD position when the advertisement is open
Selection Process	Shortlisted candidates will be called for interview (online/offline)
Details of the Principal Investigator (PI) and contact person	<p>Dr. G Krishna Mohana Rao</p> <p>Prof of Mech Engg</p> <p>JNTUH College of Engg</p> <p>Kukatpally</p> <p>Hyderabad-500085</p> <p>Telangana</p>
Contact email ID	Kmrgurram@jntuh.ac.in
Submission mode	Self Attested copies of all degree, proof of date of birth and final marks memos and GATE score card alongwith bio-data highlighting research experience and publications as per the proforma of application must be scanned and mailed to kmrgurram@jntuh.ac.in
Last date of submission of application	23-03-2022
<p>Note:</p> <ol style="list-style-type: none"> 1. Only eligible candidates need to apply. 2. JRF position is full time activity. 3. Candidates with prior experience in relevant area of research will be given preference 4. The position is purely temporary and initially only for a period of one year but extendable if work is found satisfactory on year to year basis till the completion of the project 5. Candidates Shortlisted for interview will be intimated through email only 6. Shortlisted candidates will have to attend an interview (online/ offline) 7. If the interview is conducted online, candidates are expected to have good internet connection 8. No TA/DA will be paid for attending interview in online/offline mode 9. In case it is found that any false information is furnished by the candidate, necessary action will be taken and the candidate has to refund all the payments made to him/her. 	

Sd/-

Principal Investigator

Application For The Position Of Junior Research Fellow (JRF) Under DST-SERB Sponsored Research Project

Advt. No. JNTUHCEH/R&D/MECH/DST/SERB/JRF/Rect/1/2022 Date: 02/03/2022

1. Name of the candidate :
2. Fathers' name :
3. Date of birth :
4. Sex(Male/Female/Transgender) :
5. Marital status(Married/Unmarried) :
6. Category(SC/ST/PWD) :
7. Educational qualifications :

Certificate/Degree	Specialization/subjects	Board/University	Year of Passing	Class	Percentage/CGPA
SSC or equivalent					
Intermediate or equivalent					
B.E./B.Tech					
M.E./M.Tech					
Ph.D.					
Others					

8. Address for communication :

9. Permanent address :

10. Nationality :

11. Contact phone number :

12. E mail ID :

13. Details of previous experience :

Designation	Organization	From	To	Nature of duties	Remarks

14. Research publications :

Name of the Journal/Conference	ISSN/ISBN number	Title of the publication	Page numbers	Authors	Vol No.	Issue No.	Year

15. Awards, Patents, Prizes if any :

16. Reference with contact details :

17. Any other relevant information :

Declaration

I, _____, hereby declare I have carefully read the instructions and that all statements made in this application are true, complete and correct to the best of my knowledge and belief. In the event of the information being found false or incorrect or any ineligibility being detected before or after the selection, my candidature is liable to be cancelled. I confirm that I am available for ONLINE interview, if necessary. If selected, I pledge that I will abide by the rules and regulations of the institute and DST. I understood that the decision of the institute is final with regard to selection.

Signature of the Applicant

Place :

Date :