



**NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL**  
**Warangal- 506004, Telangana, India**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

Advt. No. NITW/MED/AK/ARDB/2017/

Date: 21-09-2017

**Advertisement for the position of temporary JRF**

Applications are invited from the interested candidates for one temporary position of **Junior Research Fellow (JRF)** to work in a Aeronautics R&D Board (ARDB) sponsored Project entitled **“Effect of tool geometry and cryogenic treatment on mechanical properties of friction stir welded (FSW) Aluminium alloys”**.

**Details of qualifications, Emoluments and duration are given below:**

Name of position	<b>Junior Research Fellow (JRF)</b>
Essential Qualifications	B.Tech/B.E in Mechanical Engineering <b>and</b> M.Tech/M.E in Mechanical Engineering/Manufacturing/Welding/Materials Technology/Industrial Metallurgy/Materials Science with minimum 60% aggregate marks (CGPA $\geq$ 6.5/10) in UG& PG to qualify under OC / OBC category and minimum 55% aggregate marks (CGPA of $\geq$ 6.0) for candidates under SC/ST/PwD category. Note: GATE score is mandatory. <b>OR</b> B.Tech/B.E in Mechanical Engineering with valid GATE score and at least CGPA of 8.0/10 or 75% of marks under OC/OBC category and at least CGPA of 7.5/10 or 70% for candidates under SC/ST category.
Desirable requirements	Knowledge and experience (at master’s level project work) in processing and characterization of Materials and simulation packages like, DEFORM, COMSOL
Duration	3 Years
Consolidated salary	25,000/- pm for first two years and 28,000/- pm for third year. The selected candidate is eligible for on campus Hostel & Mess facilities at their own expenses.
Other Benefits	The selected candidate is eligible to register for Ph.D. degree at NIT, Warangal.
Outline of work to be performed	Processing of Aluminum Alloys with and without cryogenic treatment, characterisation of processed components using SEM and TEM

Interested and eligible candidates may send their application on a plain paper quoting the above advertisement number with complete Bio-data consisting of full name, date of birth, detailed qualifications, experience, contact address, telephone/mobile number and Email ID along with supporting copies of certificates. **Applications should be sent as hard copy by post to the address mentioned below** and scanned copies could be sent by email to **adepu\_kumar7@yahoo.co.in** so as to reach by **20<sup>th</sup> October 2017**. The interview date will be communicated to the eligible candidates through e-mail or phone. **No TA/DA will be paid for attending the interview.**

Candidates who are already employed should produce 'No objection Certificate' (NOC) from the employer and students should provide provisional degree certificate or its equivalent at the time of interview. The selected candidate is expected to produce a **Relieving Certificate** from their employer or provisional degree certificate in case of students and join the duties within a week after intimation of their selection else it would be offered to a candidate in waiting list.

**Address for correspondence and to send applications**

**Dr. Adepu Kumar**

Principal Investigator

Associate Professor, Department of Mechanical Engineering

National Institute of Technology Warangal

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**Application format for the post of Junior Research Fellow**

1. Title of the Research Project: **Effect of tool geometry and cryogenic treatment on mechanical properties of friction stir welded (FSW) Aluminium alloys**
2. Name of the Applicant:
3. Date of Birth:
4. Address for correspondence (Including Email and Mobile number):
5. Category: OC/OBC/SC/ST
6. Academic qualifications:

Qualifying Degree	University/Board	Main subjects	Year of passing	%/ CGPA	Class/Division
SSC					
Intermediate					
B.E/B.Tech					
M.E/M.Tech					

7. GATE Score : All India rank:
8. Experience in Teaching/Research:
9. Publications /conference papers(if any) :
10. Any other relevant information :