



# VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institute, NAAC Accredited with 'A++' Grade

NBA Accredited for CE, EEE, ME, ECE, CSE, EIE, IT B. Tech Courses

Approved by AICTE, New Delhi, Affiliated to JNTUH

Recognized as "College with Potential for Excellence" by UGC

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## ADVERTISEMENT FOR THE POSITION OF JUNIOR RESEARCH FELLOW (JRF)

For Anusandhan National Research Foundation (ANRF) Funded Research Project  
(CRG/2023/008202)

Applications are invited from candidates with good *academic background and excellent mathematical skills* for the *research project* entitled, '*Development of double core sandwich composite structures using 3D Printed flexible core for enhancement of impact energy absorption for automobile and naval applications*' in a time-bound manner undertaken in the Department of Mechanical Engineering, VNR VJIET Hyderabad. Details are as follows:

<b>Project Code</b>	CRG/2023/008202
<b>Name of the Temporary Post</b>	Junior Research Fellow (JRF)
<b>Number of Vacancies</b>	01
<b>Title of the Research Project</b>	Development of double core sandwich composite structures using 3D Printed flexible core for enhancement of impact energy absorption for automobile and naval applications.
<b>Description of the Job</b>	Development of sandwich composite structures (Fabrication & Characterization), Laboratory experiments to analyze impact energy absorption Simulate sandwich composite subjected to impact and validate with experimental data
<b>Sponsoring Agency</b>	Anusandhan National Research Foundation (ANRF)
<b>Tenure of the Project</b>	3 Years
<b>Tenure of the Assignment</b>	3 Years
<b>Fellowship</b>	INR 37,000 per month + 24 % HRA (1 <sup>st</sup> & 2 <sup>nd</sup> Year) & INR 42,000 per month + 24 % HRA (3 <sup>rd</sup> Year)
<b>Eligibility &amp; Qualification</b>	M.E / M.Tech. Degree in Mechanical / Additive manufacturing with first class with not less than 60% aggregate (or) not less than 6.5 CGPA on a 10 point scale. <b>OR</b> B.Tech / BE in Mechanical Engineering First class with not less than 60% aggregate (or) not less than 6.5 CGPA on a 10 point scale in B.Tech / BE in Mechanical Engineering <b>and</b> The candidate must have a valid GATE score. Desirable: <ul style="list-style-type: none"><li>• Knowledge in 3DPrinting</li><li>• Softwares like CATIA and ABAQUS / ANSYS</li></ul>
<b>Age limit</b>	30 Years

- Eligible applicants should send the following documents via email to [kirankumar\\_n@vnrvjiet.in](mailto:kirankumar_n@vnrvjiet.in) with the subject of email as “**JRF ANRF**” on or before 25<sup>th</sup> October 2024.
  1. Latest CV with photograph
  2. Scanned copy of degree certificates and grade sheets/ transcripts for both B.Tech and M.Tech
  3. Proof of date of birth
- Candidates will be shortlisted for an interview based on the merit and need of the project, and will be informed via email.
- Shortlisted candidates will be called for an interview.
- The selected candidate is expected to join immediately.

**For any queries, please contact the PI of the project.**

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