



THAPAR INSTITUTE  
OF ENGINEERING & TECHNOLOGY  
(Deemed to be University)

**Thapar Institute of Engineering and Technology Patiala  
(Deemed to be University)**

Date: 9<sup>th</sup> January 2025

**Advertisement for the post of Junior Research Fellow (JRF) in TIET-VT (Virginia Tech, USA),  
Center of Excellence for Emerging Materials (CEEMS)**

Applications are invited from Indian nationals for the post of Junior Research Fellow (JRF) for research project with following details:

1.	Project Title	Design and development of innovative 3D metal printed PCM-metallic foam-based heat sink for high flux energy emitting devices
2.	Name of the position	Junior Research Fellow (JRF)
3.	Number of position(s)	One (1)
4.	Duration of the project	Three (03) years, (The position is initially offered for one-year term, subject to renewal based on performance and available fund).
5.	Consolidated monthly fellowship	Rs. 25000/-
6.	Essential qualifications	<ul style="list-style-type: none"><li>• ME/M Tech. in Mechanical/Chemical or relevant branch of Engineering, or MSc in Physics with background in Thermodynamics, fluid and heat transfer applications.</li></ul>
7.	Desirable qualifications	<ul style="list-style-type: none"><li>• knowledge of Thermodynamics, heat transfer and Fluid Flow physics.</li><li>• knowledge and experience of computational fluid flow and heat transfer applications.</li><li>• The candidate could have hands-on experience in working with programming languages such as C++, MATLAB, and other software packages like COMSOL Multiphysics and ANSYS Fluent.</li><li>• The candidate should possess good oral/written communication skills.</li><li>• The candidate should have excellent research potential in the desired area.</li></ul>
8.	Date of interview for selected candidates	24 <sup>th</sup> January 2025
9.	Venue of interview	The interview will be conducted online on platforms such as ZOOM, or GOOGLE Meet. Link will be shared,.

**Note:** The filled application form for JRF should reach the undersigned through E-mail by **22<sup>th</sup> January 2025**.

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### Application for Junior Research Fellow

1.	<b>Name of Fellowship</b>	Junior Research Fellowship			Paste a recent passport sized photograph	
2.	<b>Name of the candidate (BLOCK LETTERS)</b>					
3.	<b>Father's/Husband's Name</b>					
4.	<b>(a) Marital Status</b>	Single/Married	<b>(b) Category</b>	SC/ST/OBC/PH/Gen		
5.	<b>(a) Date of Birth</b>		<b>(b) Age</b>	.... Years, .... Months		
6.	<b>Address for communication</b>					
7.	<b>Contact details</b>	<b>(a) Phone</b>		<b>(b) Mobile</b>		
8.	<b>Permanent Residence</b>					
9.	<b>Email ID</b>					
10.	<b>Educational Background (From SSC/Matric onwards. Attested copies to be enclosed)</b>					
	Examination Passed	Subject(s)	University	Month and Year of Passing	Division/Class	% of Marks
11.	<b>Experience(Research/Industry)</b>					
	Name of the organization with designation	Period of service		Salary	Reason for leaving	
		From	To			
12.	<b>Publication(s)</b>					
	Publication name	Name of Journal/Book/Conference		Name of Authors		
13.	<b>Whether qualified GATE/NET: Yes/No</b> If Yes, give details (proof to be enclosed):					
14.	<b>Any other information:</b>					
15.	<b>Declaration:</b> I hereby declare that the above stated information is correct, and no information is suppressed.					
	Place:					
	Date: <span style="float: right;">Signature of the candidate:</span>					