

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

Date: June 19<sup>th</sup>, 2020

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

Applications are invited from Indian nationals for the post of Junior Research Fellow (JRF) in TIET-VT (Virginia Tech, USA) Center of Excellence for Emergent Materials (CEEMS) funded research project with following details:

1.	Project Title	Computational and experimental investigation for optimizing the magnetic nanoparticles Hyperthermia.
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/Mtech in Mechanical Engineering, with background in fluid and heat transfer applications.</li> <li>• Applicants having GATE/NET score will be preferred.</li> </ul>
7.	Desirable qualifications	<ul style="list-style-type: none"> <li>• The candidate should have knowledge of bio-heat transfer physics.</li> <li>• The candidate should have knowledge and experience of computational fluid flow and heat transfer applications.</li> <li>• The candidate should have hands-on experience in working with programming languages such as FORTRAN, C, 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	6 <sup>th</sup> July, 2020
9.	Venue of interview	The interview will be conducted online on platforms such as ZOOM, or GOOGLE Meet

- Candidates will be short listed for the interview based on merit and experience of the available candidates and decision of the selection committee will be final.
- No TA/DA will be given to the candidates called for the interview.
- Applications complete(as per the format attached with this advertisement) in all respects (along with relevant document) should be sent to the undersigned at the given below address or through email by 30<sup>th</sup> June, 2020 from the advertisement.

**Note:** For further information, the candidate may contact the undersigned:

**Dr. Neeraj Kumar**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Thapar Institute of Engineering and Technology**  
**Email: [neerajkumar@thapar.edu](mailto:neerajkumar@thapar.edu)**  
**Ph. No.: +91-7789810221**

**Application for Junior Research Fellow in a TIET-VT (Virginia Tech, USA) Center of Excellence for Emerging Materials (CEEMS) Sponsored Projects.**

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:	Signature of the candidate:				