Advertisement for the Post of Junior Research Fellow (JRF)

Applications are invited for the post of JRF to work for the SERB-CRG funded research project in the Mechanical Engineering Department at Thapar Institute of Engineering and Technology, Patiala. The details of the project and post for recruitment are given below:

Project Details:

<table>
<thead>
<tr>
<th>Title of the Project</th>
<th>Investigation of nonlinear dynamics of electrostatically actuated bistable micro switches with applications to medical equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Duration</td>
<td>03 Years</td>
</tr>
</tbody>
</table>
| Name of the Principal Investigator with email and address | Dr Rajendra Kumar, Assistant Professor  
Mechanical Engineering Department  
Thapar Institute of Engineering & Technology Patiala-147004  
Email: rajendra.kumar@thapar.edu |
| Name of the Co-PI with email and address                  | Dr. Ruchika Lamba, Assistant Professor  
Electrical and Instrumentation Engineering Department  
Thapar Institute of Engineering & Technology Patiala-147004  
Email: ruchika.mehta@thapar.edu |

Details of the Post:

<table>
<thead>
<tr>
<th>Name of Post:</th>
<th>Junior Research Fellow (JRF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Posts:</td>
<td>One (01)</td>
</tr>
<tr>
<td>Monthly Emolument:</td>
<td></td>
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</table>
(a) 31,000/- + HRA (for the first two years) and 35,000/- + HRA (for the third year) for GATE qualified candidates  
(b) 28000/- + HRA for others |
| Eligibility Criteria: |  
**Essential:** B.E/B.Tech.in Mechanical Engineering/Electrical Engineering/Aerospace Engineering or equivalent degree with at least 60% marks in the aggregate or equivalent C.G.P.A. in the qualifying degree with a valid GATE score.  
**Desirable Qualifications:**  
(i) Post-Graduate (M.E./M.Tech.) with specialization in Robotics/CAD-CAM Engg/ Mechatronics/Machine Design/Biomedical Engg./Electronics/Electrical/ Instrumentation and other relevant areas, with marks not below 60% in the aggregate or equivalent C.G.P.A. in the qualifying degree.  
(ii) Good research potential in the related area in the form of demonstrative research projects/ thesis.  
The candidate must have good knowledge of **mathematical software computer programming language, finite element analysis, and MATLAB.**
**Other Details:**

<table>
<thead>
<tr>
<th>How to apply</th>
<th>The candidates are requested to mail the soft copy of the filled-up application form (Annexure-I) to “<a href="mailto:rajendra.kumar@thapar.edu">rajendra.kumar@thapar.edu</a>” with the subject of the email marked as “Application for JRF under SERB-CRG” on or before <strong>July 31, 2023.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other conditions</td>
<td>No TA/DA will be paid for appearing in the interview and/or joining the post. All terms and conditions for this recruitment will be as per the guidelines of the sponsoring agency and TIET, Patiala.</td>
</tr>
<tr>
<td>Call for interview</td>
<td>Shortlisted candidates will be intimated through e-mail for an interview. Candidates are advised to check their emails regularly.</td>
</tr>
<tr>
<td>Benefits</td>
<td>The selected candidate can register for the full-time PhD program in the Mechanical Engineering Department, TIET, Patiala, as per the rules and regulations of the institute.</td>
</tr>
<tr>
<td>Institute right</td>
<td>The Institute reserves the right to cancel the recruitment without assigning any reason.</td>
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</tbody>
</table>

For any further information/clarifications, the applicants may contact PI by email.

Dr Rajendra Kumar  
(Principal Investigator)  
Assistant Professor,  
Mechanical Engineering Department  
Email: rajendra.kumar@thapar.edu
Annexure-I (Application Form)

THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY, PATIALA
(Declared as Deemed-to-be University u/s 3 of UGC Act)

1) Application for the post of:

2) Name of the Candidate in full (in capital letters):

3) Date of Birth:

4) Age as on April 20th, 2023:

5) Contact Information:
   - Postal Address:
   - Email:
   - Mobile Number:

6) Nationality:

7) Marital Status:

8) Educational Qualification

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name of Exam passed</th>
<th>Subjects/ Branch/ Specializations</th>
<th>Name of the University/ Board</th>
<th>Month &amp; Year of exam passed</th>
<th>Percentage of Marks secured/ CGPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Matriculation</td>
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<tr>
<td>2</td>
<td>Higher Secondary</td>
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<tr>
<td>3</td>
<td>B. E./B. Tech</td>
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</tr>
<tr>
<td>4</td>
<td>M.E./M.Tech</td>
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<tr>
<td>5</td>
<td>Other</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

8) Particulars of GATE examination:
   (i) Year of passing:
   (ii) Discipline:
   (iii) Score (percentile):
   (iv) All India Rank:
   (v) The number of candidates appeared:
9) Give contact details of two referees who are familiar with the candidate’s work:

10) Any other relevant information which the candidate wishes to furnish:

Declaration
I declare that the above information is true and correct to the best of my knowledge and belief.

Date:
Place:                Signature of the applicant