



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

Electronics and Communication Engineering Department, Thapar Institute  
of Engineering & Technology, Patiala-147004, Punjab, India

**Advertisement for the post of Junior Research Fellow (J.R. F) in  
STARS-2, MoE, funded research project**

Applications are invited from eligible, motivated, focused and dedicated Indian nationals for the post of **Junior Research Fellow (J.R.F.)** in the **MoE** funded research project titled "**Development of an ultrasound-based medical imaging methodology with adaptive image processing algorithms for noninvasive early diagnosis of cancer: an in vitro study**" (Project ID: 2023-0266).

<b>Number of J.R.F position</b>	01
<b>Essential qualifications:</b>	<ul style="list-style-type: none"><li>(i) B.E. / B.Tech Degree in Electronics and Communications Engineering, Electrical Engineering, Electrical and Electronics Engineering, Computer Science and Engineering / IT, Biomedical Engineering with First Class.</li></ul> <p style="text-align: center;">OR</p> <ul style="list-style-type: none"><li>M.E. / M.Tech Degree in the discipline of Electronics and Communications Engineering, Electrical Engineering, Electrical and Electronics Engineering, Computer Science and Engineering /IT, Biomedical Engineering with a minimum of 60% Marks.</li></ul> <p style="text-align: center;">OR</p> <ul style="list-style-type: none"><li>MCA (Master of Computer Applications) with a minimum of 60% Marks.</li></ul>
<b>Desirable qualifications/experience:</b>	<ul style="list-style-type: none"><li>Qualified Graduate Aptitude Test in Engineering (GATE) is preferable.</li><li>Knowledge in image processing &amp; computer vision.</li><li>Knowledge in medical image analysis is preferable.</li><li>Related experience in making hardware prototype in experimental projects.</li><li>Good research potential in the related area (in the form of authentic demonstrative research projects/ thesis) along with relevant credentials in the form of Journal/Conference publications, Patents, etc.</li><li>Good hand in designing and conducting experimental work.</li></ul>

	<ul style="list-style-type: none"> <li>• Workable experience in programming languages.</li> <li>• Good interpersonal and communication skills (both oral and written).</li> </ul>
<b>Fellowship:</b>	₹ 31,000 per month + 8% HRA
<b>Other benefits:</b>	The selected candidate has the provision to register for Ph. D. program of the institute, as per the prevailing institute guidelines.
<b>Tenure of the appointment:</b>	Appointment shall be made on contract basis for a period of one year initially, which may be extended further depending on the performance evaluation on yearly basis and on the approval of the sanctioning agency MoE till the end of the project. The appointment is for a time bound project and the candidate is essentially required to work for successful execution of the project objectives and completion of the project.
<b>Last date for application submission</b>	November 30 <sup>th</sup> 2023, 5:00 PM IST
<b>Date of interview:</b>	Will be communicated through e-mail personally
<b>Time and venue</b>	Online (through Zoom/Google Meet platform)

**NOTE:**

- (1) Incomplete applications shall be rejected.
- (2) **Shortlisted candidates shall be informed through email.**
- (3) **The meeting link (and time) shall be shared shortly with the shortlisted candidates.**
- (4) The applicant will be responsible for the authenticity of information, other documents and photograph submitted.
- (5) Mere possessing the prescribed qualification does not ensure that the candidate would be called for interview. The candidates will be shortlisted on the basis of merit and needs of the project.

**How to Apply?**

Send the following documents in only .pdf format to **debabrata.ghosh@thapar.edu** or **kuntal.chowdhury@thapar.edu** or **samya.muhuri@thapar.edu** on or **before 5:00 pm IST, November 30<sup>th</sup>, 2023.**

- Duly completed and signed application form in the prescribed format.
- Scanned copies of 10th, 12th, BE/B. Tech, ME/ M. Tech (if available), and GATE Score card (if available) in support of their academic qualifications.

The subject of email should be “**Application for the post of J.R.F**”

**Contact Persons**

<b>Dr. Debabrata Ghosh, PI</b>	<b>Dr. Kuntal Chowdhury, Co-PI</b>	<b>Dr. Samya Muhuri, Co-PI</b>
ECE Department, Thapar Institute of Engineering & Technology, Patiala	CSE Department, Thapar Institute of Engineering & Technology, Patiala	CSE Department, Thapar Institute of Engineering & Technology, Patiala
debabrata.ghosh@thapar.edu	kuntal.chowdhury@thapar.edu	samya.muhuri@thapar.edu

## Application Form for the Post of J.R.F.

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- 1) **Application for the post of:**
- 2) **Name of the Candidate in full (in capital letters):**
- 3) **Date of Birth:**
- 4) **Nationality:**
- 5) **Email Address (important to fill):**
- 6) **Mailing Postal Address:**

PASTE RECENT  
PASSPORT SIZE  
PHOTOGRAPH  
HERE

- 7) **Educational qualifications (starting from High school onwards)**

S. No.	Name of Examination Passed	Subjects/ Branch/ Specializations	Name of the University/ Board	Month & Year of exam passed	Percentage of Marks secured/ CGPA
1	10 <sup>th</sup>				
2	12 <sup>th</sup>				
3	B.E. / B.Tech.				
4	M.E./ M. Tech.				
5	Any other additional				

**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) Previous experience:**

(Furnish details such as name of the post/fellowship, period worked, name of the organization/institution etc.)

**10) Present position:**

(a) If you are studying, mention course/subject details:

(b) Details of fellowship/post:

(c) Name of the institution/ organization in which you are studying/working:

**11) M.E./M.Tech. Thesis/Project title:**

**12) Details of the Research/ Conference papers published:**

<b>S. No.</b>	<b>Paper Title</b>	<b>Authors</b>	<b>Journal/ Conference name</b>	<b>Publisher</b>
1				
2				
3				

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. If selected, I promise to abide by the rules and discipline of the Institute. I note that the decision of the Institute is final in regard to selection. The Institute shall have the right to expel me from the Institute at any time after my selection, provided it is satisfied that I was selected on false particulars furnished by me or my antecedents prove that my continuance in the Institute is not desirable. I agree that I shall abide by the decision of the Institute, which shall be final.

Place:

Date:

Signature of the Candidate