



## Institute of Infrastructure, Technology, Research And Management

(An Autonomous University Established by Government of Gujarat)

IITRAM Campus, Near Khokhra Circle, Maninagar (East),

Ahmedabad – 380026, Gujarat.

E-mail: [rndoffice@iitram.ac.in](mailto:rndoffice@iitram.ac.in)

Website: [www.iitram.ac.in](http://www.iitram.ac.in)

No.: IITRAM/R&D/IITB/RB/2025

Date: 30/12/2025

### **ADVERTISEMENT**

**(Last date of online application: 13/01/2026 up to 18:00 Hrs.)**

#### **APPLICATIONS FOR THE POST OF JUNIOR RESEARCH FELLOW**

Applications are invited from suitable candidates for Research Position to work at Institute of Infrastructure, Technology, Research And Management (IITRAM), Ahmedabad, Gujarat on project funded by Technology Innovation Hub, IIT Bombay.

The project details, requisite qualification & experience etc. are given below:

<b>Title of the Project:</b>	Intentio-Telo: IoT-Enabled Telerobotic Bone Biopsy System
<b>Name of the position</b>	Junior Research Fellow (JRF)
<b>Vacancy</b>	One position
<b>Emoluments (p.m.)</b>	Rs.38,500/- per month for 18 months or completion of project whichever is earlier.
<b>Essential Qualifications</b>	<p>M. Tech. in any specialization of Electrical Engineering/ Computer Engineering or equivalent, from the recognized university / Institute. The candidate should fulfill the following criteria.</p> <ul style="list-style-type: none"><li>• First Division OR 60 % out of 100 (in the final year) OR 60 % out of 100 (aggregate percentage of all semesters) OR 6 CPI out of 10</li><li>• For SC/ST candidates, 55 % out of 100 (in the final year) OR 55 % out of 100 (aggregate percentage of all semesters) OR 6 CPI out of 10</li></ul>
<b>Desirable Skills</b>	<p>Experience in Python programming; design and implementation of algorithms; exposure to programming in Python, MATLAB, and C++; experience with microcontrollers such as NVIDIA Jetson, Raspberry Pi, and various versions of Arduino; exposure to IoT and IoE and related controllers; data collection from sensors over IoT and development of logic control systems; exposure to STM32; ability to analyze and interpret engineering data; technical writing skills; and the ability to learn and develop new skills.</p>

<b>Period of Appointment:</b>	18 months or till the completion of the project, whichever is earlier. The selected candidate will be encouraged to apply for the Ph.D. program of IITRAM as per eligibility and institute norms.
<b>Job Description</b>	To perform research activities as per requirements. The candidate will be required to develop and implement algorithms, write code in various computing platforms such as Python, MATLAB etc., design IoT- and IoE-based systems, and develop software and hardware solutions to achieve the project goals.
<b>Sponsoring Agency</b>	Technology Innovation Hub IIT Bombay
<b>PI/CO-PI</b>	Dr. Raghavendra Bhalerao/Dr. Krupa Shah

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### **General Terms and Conditions:**

1. **How to apply:** Candidates must apply online on the Institute's web-portal at [www.iitram.ac.in/career](http://www.iitram.ac.in/career) only. No other mode applications will be accepted.
2. **Upper Age Limit:** 35 years as on the closing date of receipt of application. The upper age limit shall be relaxed to the candidates belonging to Scheduled Castes (SC), Scheduled Tribes (ST), OBC and Weaker Section (EWS) as per the Government of Gujarat Norms.
3. Only shortlisted candidates will be communicated through Institute's website/email for interview.
4. Interviews of the shortlisted candidates will be preferably conducted offline. The candidates are required to be available for interview at IITRAM at their own expenses (No TA/DA will be provided for attending the interview).
5. All applicants must fulfill the essential requirements of the post and other conditions stipulated in the advertisement. They are advised to satisfy themselves that they possess at least the essential qualifications laid down for the posts advertised, before applying.
6. Candidates will be shortlisted for interview based on their CV, qualifications, experience and the need of the project. Institute reserves the right to fill up the post, not to fill up the posts or cancel the advertisement in whole or partly without assigning any reason. The Institute also reserves the right to place a reasonable limit on the total number of candidates to be called for the Interview. Mere fulfillment of essential qualifications does not entitle a candidate to be called for Interview. The decision of the Institute in this regard shall be final.
7. Candidates are advised to mention their correct and active e-mail address in the application, as all the correspondence like issuance of interview intimation or any other information will be communicated either through e-mail or Institute's website.
8. The position is purely temporary, and selected candidates shall not have the right to claim any regular position at the institute at the end of the project duration.
9. Incomplete / wrongly filled application forms will be treated as invalid in the short-listing process.
10. Last date of Application is **13/01/2026 at 18:00 Hrs.**
11. There is no need to send hard copies of the documents. However, candidates need to show the original documents and submit self-attested copy of the documents at the time of the interview/selection process.

12. In case of any questions regarding the application, please e-mail at [raghavendra.bhalerao@iitram.ac.in](mailto:raghavendra.bhalerao@iitram.ac.in)/[krupashah@iitram.ac.in](mailto:krupashah@iitram.ac.in).

<b><u>Dr. Raghavendra Bhalerao (PI)</u></b> Assistant Professor Department of Electrical and Computer Science Engineering Institute of Infrastructure Technology Research And Management (IITRAM) <i>Email: <a href="mailto:raghavendra.bhalerao@iitram.ac.in">raghavendra.bhalerao@iitram.ac.in</a></i> <i>Mob.: 8879076085</i>	<b><u>Dr. Krupa Shah (Co-PI)</u></b> Associate Professor Department of Electrical and Computer Science Engineering Institute of Infrastructure Technology Research And Management (IITRAM) <i>Email: <a href="mailto:krupashah@iitram.ac.in">krupashah@iitram.ac.in</a></i> <i>Mob.: 9998536881</i>
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**Important Note:**

The following documents shall be submitted in a single pdf file along with the online application form:

1	A one-page cover letter describing background and motivation.
2	Curriculum Vitae with complete qualification and experience details. Details of at least two references shall be stated in the Curriculum Vitae.
3	10 <sup>th</sup> Marksheet and certificate.
4	12 <sup>th</sup> Marksheet and certificate / Diploma marksheets and certificate.
5	B.E/B.Tech degree marksheets of all semesters and degree certificate.
6	M.E./M.Tech. degree marksheets of all semesters and degree certificate (if applicable).
7	Valid GATE score card (if applicable).
8	Work experience, details of publications and any other relevant documents (if applicable).

*Sd/-*  
**I/c. Registrar**