



OFFICE OF THE DoRD

No. IITGoa/DoRD/17/REC/2022

Date: 26.12.2022

RECRUITMENT FOR SENIOR RESEARCH FELLOW

Applications are invited for the position of SRF under the Project titled “Capacity building for Human Resource Development in Unmanned Aircraft System (Drone and related Technology)” in the School of Electrical Sciences, IIT Goa. The project is sponsored by the Ministry of Electronics and Information Technology.

Candidates with JRF related qualifications and higher degree qualifications (MPhil, PhD) may also apply. Their salary will be regulated as per JRF or SRF (applicable only in case of higher degree and on committee recommendation) as recommended by the Selection Committee

<p><b>Nature of work</b></p>	<p><b>SRF(1):</b></p> <ol style="list-style-type: none"> <li>1. Implement AI and ML based algorithms on flight controllers, on-board computers(embedded systems) and on a cloud computer</li> <li>2. Establish communication between drones and cloud computers</li> </ol> <p><b>SRF(2):</b></p> <ol style="list-style-type: none"> <li>3. Work on embedded electronics, PCB design, sensor integration, board to board integration</li> <li>4. Work on flight controller boards, navigation and control algorithms and their implementation</li> </ol> <p>While SRF(1) and SRF(2) have independent work responsibilities, they also need to collaborate and work as a team</p>
<p><b>Funding Agency</b></p>	<p>Ministry of Electronics and Information Technology.</p>
<p><b>No. of Position</b></p>	<p><b>Two</b></p>
<p><b>Duration of appointment</b></p>	<p>Initially for a period of 1 year. Appointment may be extended for further one year based on the performance.</p>
<p><b>Eligibility</b></p>	<p><b>Essential qualification (SRF):</b></p> <ul style="list-style-type: none"> <li>- B.E/M. E/B.Tech/M. Tech in Electrical Engineering/Electronic &amp; Communication/Control System Engineering/ Instrumentation/Embedded System/Computer Science and Engineering</li> <li>- Two years of research experience post obtaining the degree</li> <li>- M. Tech admission should have been based on GATE score or through exams conducted by Central Govt. Organizations like IIT, IISER, IISc, DAE, CSIR-NET, UGC-NET etc.</li> </ul> <p><b>Essential qualification (JRF):</b></p> <ul style="list-style-type: none"> <li>- B.E/M. E/B.Tech/M. Tech in Electrical Engineering/Electronic &amp; Communication/Control System Engineering/ Instrumentation/Embedded System/Computer Science and Engineering</li> <li>- MTech admission should have been based on GATE score or through exams conducted by Central Govt. Organizations like IIT, IISER, IISc, DAE, CSIR-NET, UGC-NET etc.</li> </ul> <p><b>Desirable for SRF(1):</b></p> <ul style="list-style-type: none"> <li>- Good knowledge of AI based classification and prediction algorithms</li> <li>- Good knowledge of programming in Python/C/C++/MATLAB</li> <li>- Good knowledge of implementation on embedded systems</li> </ul> <p><b>Desirable for SRF(2):</b></p> <ul style="list-style-type: none"> <li>- Good knowledge of PCB design and experience in PCB design tools</li> </ul>

	<ul style="list-style-type: none"> <li>-Good knowledge of control systems</li> <li>-Good knowledge of electronic testing, debugging, oscilloscopes etc.</li> <li>-At least intermediate level C or Python programming</li> </ul>
<b>Salary</b>	Rs.35,000/- P.M. + HRA (SRF) Rs.31,000/- P.M. + HRA (JRF)
<b>DA</b>	Not Applicable
<b>HRA</b>	As per the Govt. norms stationed at Goa.
<b>Medical Benefits</b>	As per the Institute norms.
<b>Leave entitlements</b>	As per norms
<b>How to apply</b>	Interested candidates can fill the below form. <a href="https://forms.gle/H39dJdBQww8ESQpB8">https://forms.gle/H39dJdBQww8ESQpB8</a>
<b>Last Date of application</b>	16.01.2023, 5:00 PM. For any update regarding the last date of submission of application, candidates may visit <a href="https://iitgoa.ac.in/projectposition/">https://iitgoa.ac.in/projectposition/</a>

**General Instructions:**

1. If the number of applications received in response to advertisement is large. The constituted selection committee may restrict the number of candidates to be called for interview to a reasonable limit of desirable qualification and /or on the record of academic performance and/or any other benchmark decided by a committee constituted to screen the applications. No communication will be entertained with candidates who are not called for Interview.
2. If the applicants have any questions, they can write to [res-staff-rect@iitgoa.ac.in](mailto:res-staff-rect@iitgoa.ac.in) and in the subject they have to mention the Institute project number "2022/EMR/BS/045".
3. Informal inquiries via email may be made with Chief Investigator – Prof. Bidyadhar Subudhi, School of Electrical Sciences: [bidyadhar@iitgoa.ac.in](mailto:bidyadhar@iitgoa.ac.in)
4. The appointment is purely temporary and will terminate automatically without any notice or compensation on termination of the research project.
5. The appointed person shall have no claim of appointment / absorption in funding Agency or in IIT Goa.
6. The qualification prescribed should have been obtained from recognized Universities / Institutions.
7. No TA/DA will be admissible for appearing for the interview.
8. Selected candidates will have to join in a reasonable time upon receipt of the offer.

**Sd/-**  
**Sr. Superintendent (R&D)**