



Advt No. TIHAN/April/2022/Rec/01  
Dated. 06/04/2022

## Applications are invited on rolling basis for the Post of Junior Research Assistant Fellow – Testbed (Mechanical/Automobile)

### About [TIHAN](#)

Department of Science and Technology (DST) under the National Mission on Interdisciplinary Cyber-Physical Systems ([NM-ICPS](#)), Govt. of India has sanctioned the prestigious Technology Innovation Hub to **IIT Hyderabad** in the technological vertical of Autonomous Navigation and Data Acquisition Systems (UAVs, ROVs, etc.)

DST NM-ICPS Technology Innovation Hub on Autonomous Navigation and Data Acquisition Systems (UAVs, ROVs, etc.) – [TIHAN](#) at IIT Hyderabad will be the source for fundamental knowledge and technologies (IPs, Publications, Products, Commercialization as Licensing, ToTs...) in the technology vertical of Autonomous Navigation and Data Acquisition Systems (UAVs, ROVs, etc.).

<b>Position</b>	Junior Research Assistant Fellow (JRAF) – Testbed
<b>Qualification:</b>	B.E/B.Tech – Mechanical/Automobile
<b>Desired:</b>	<ul style="list-style-type: none"> <li>• Design and Manufacture platforms for teams to test, integrate sensors, and collect data in addition to the testbed (rapidly modelling and machining them in-shop)</li> <li>• Analysing problems or deficiencies and developing solutions to resolve them.</li> <li>• Update in-shop testbed to give software teams the best possible system to test their code</li> <li>• Work with partners for testing various UGV/UAV in testbed</li> <li>• Conducting experiments and evaluations to improve and innovate product designs.</li> <li>• Estimating budgets and time scopes for each project.</li> <li>• Writing technical documentation.</li> <li>• Ensuring that products meet compliance regulations.</li> <li>• Collaborating with project managers, research staff and other engineers in the testbed team.</li> </ul>
<b>Skills required:</b>	<ul style="list-style-type: none"> <li>• Experience working in mechanical/automobile engineering field.</li> <li>• Superior computer skills, with solid experience in CAD, CAM, and Matlab/LabView programs.</li> </ul>



	<ul style="list-style-type: none"><li>• Ability to run simulations and analyse test data.</li><li>• Work independently as one of the subject matter experts.</li><li>• Ability to write clear and comprehensive technical documentation.</li><li>• Highly analytical mind, with exceptional problem-solving skills and attention to detail.</li></ul>
<b>Preferable:</b>	<ul style="list-style-type: none"><li>• Driving knowledge (Driving Licence for 2 &amp; 4-wheelers is must)</li><li>• Less than 30 years of age</li></ul>
<b>Experience:</b>	2 - 4 years of experience
<b>Nature of job:</b>	Contractual for a period of 11 months (extension subject to performance)
<b>Fellowship:</b>	<b>Rs.25000/-Per Month</b>
<b>Application Link:</b>	<a href="https://bit.ly/3qAdPmp">https://bit.ly/3qAdPmp</a>

#### How to Apply:

- Candidates, who fulfil the eligibility criteria, should apply through the link given above latest by **5:00 pm, 20<sup>th</sup> April, 2022**.
- For more details, please visit <https://tihan.iith.ac.in/careers/>

#### Selection Procedure:

- Candidates will be shortlisted based on their eligibility criteria, academic record, and relevant experience
- Only shortlisted candidates will be intimated through email for the interview by the selection committee
- Merely meeting the criteria may not guarantee a call for an interview
- The position will be left vacant and new advertisement with extended date will be given if no suitable candidate is found.

#### Other criteria:

- Accommodation will not be provided by TiHAN Foundation or IIT HYDERABAD.
- Please note that, the position is on-site & based out of IIT Hyderabad campus.