



Advt No. TiHAN/Nov/2021/1

Dated. 24/11/2021

## Call for Fellowship - Junior Research Assistant Fellow

### 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>Tenure:</b>	For a period of 11 months, extension subject to performance
<b>Eligibility:</b>	B.Tech/B.E (ECE/CSE/IT/EEE/ME/Automobile Eng.) – minimum of 65% marks with 1-2 year(s) of experience.  OR  M.Tech/M.E (ECE/CSE/IT/EEE/ME/Automobile Eng.) – minimum of 65% marks. Freshers can apply.
<b>Stipend:</b>	Rs. 25,000/per month (Consolidated)
<b>Desired Experience in:</b>	ECU SW development experience in embedded C. Experience in Machine Learning and Deep Learning. Experience in communication protocols like CAN, SPI, I2C, UART etc. Strong embedded system debugging skills & understanding of hardware schematic. Understanding of architecture of Multicore/single core Automotive microcontroller architecture. Experience in integration of sensors such as Ultrasonic, camera etc. to controller boards such as Arduino, Raspberry pi, Jetson Nano etc. Ability to write the software requirements, unit specification and Integration test-plan. Experience in Software testing such as SIL (Software in Loop) or HIL (Hardware in Loop) testing is a plus. Understanding of AutoSAR based project development.
<b>Selection Procedure:</b>	<ul style="list-style-type: none"> <li>• Candidates will be shortlisted based on the eligibility criteria, academic record and relevant experience.</li> <li>• Only, shortlisted candidates will be intimated through email for the interview by the selection committee.</li> <li>• Merely meeting the criteria may not guarantee a call for an interview.</li> <li>• The position will be left vacant and new advertisement with extended date will be given if no suitable candidate is found.</li> </ul>
<b>Application Form:</b>	<a href="https://bit.ly/3nFc63z">https://bit.ly/3nFc63z</a>



### How to Apply:

- Candidates, who fulfil the eligibility criteria, should apply through the link given above latest by 5:00 pm, 7<sup>th</sup> December 2021.
- For more details, please visit- <https://tihan.iith.ac.in/>