

## Applications Invited for Post-Doctoral Research Fellowship

Electrical engineering department 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, is inviting applications for the post of Post-Doctoral Research Fellowship. Details are given below:

<b>Position:</b>	Post-Doctoral Research Fellow (CSE/IT/ECE/EEE)
<b>Type of Position:</b>	The position is for one year, with an extension subject to performance.
<b>Fellowship:</b>	Consolidated pay Rs. 55,000 to 65,000 per month (negotiable) – If selected, an applicant cannot avail of any other fellowship in parallel.
<b>Eligibility:</b>	<ul style="list-style-type: none"> <li>• Ph.D. with <b>Master and BE/BTech/Equivalent</b> in <b>Computer science/ECE/EEE/Information Technology</b> with relevant research/industrial experience.</li> <li>• Publication in standard journals will have an added advantage.</li> <li>• The candidate should have good academic records throughout and good writing skills.</li> <li>• Candidates should not have published in Predatory Journals.</li> <li>• CGPA should be greater than or equal to 7.5 in both undergraduate and masters' levels.</li> <li>• <b>Candidates who submitted the thesis and waiting for thesis defense are also encouraged to apply.</b></li> </ul>
<b>Experience:</b>	0-1 Years of Experience
<b>Job Description:</b>	<ul style="list-style-type: none"> <li>• Collection of relevant literature</li> <li>• Expertise in one of the domain areas listed below.</li> <li>• UAV, UGV, Autonomous Systems</li> <li>• Digital Signal Processing</li> <li>• Communications and Networking</li> <li>• Artificial Intelligence, Deep Learning Techniques</li> <li>• Cloud/Edge Computing</li> <li>• System, Server and Networking</li> <li>• 5G Connectivity for Autonomous Vehicles</li> <li>• Cyber Security for Autonomous Vehicles</li> <li>• AUTOSAR</li> <li>• Coordinate the work with the team.</li> <li>• Experience in handling experimental and computational facilities.</li> <li>• Report preparation and lab management.</li> <li>• Interaction with sponsored agencies, etc.</li> <li>• To develop a definite research product/outcome with maximum TRL Level.</li> </ul>

<b>Performance Matrices:</b>	<ul style="list-style-type: none"> <li>• IP generated</li> <li>• Different approaches to solve real problems of industries.</li> <li>• New knowledge/ technology solutions in CPS.</li> </ul>
<b>Expected Outcomes:</b>	IP, Technology, Research oriented technical minds, New application areas of CPS and start-ups.
<b>Domain Areas of Interest Include:</b>	<ul style="list-style-type: none"> <li>(i) Unmanned Aerial Vehicles (UAVs) – Multirotor/Fixed Wing</li> <li>(ii) Unmanned Ground Vehicles (UGVs)</li> <li>(iii) Autonomous Navigation of Ground Vehicles and Drones</li> <li>(iv) Aerodynamics and Structural Analysis of UAVs</li> <li>(v) Urban Air Mobility-based Personal Aerial Vehicles (PAVs)</li> <li>(vi) AI/ML for UAVs</li> <li>(vii) Sensor Fusion for UGVs and UAVs</li> <li>(viii) Drone Swarms</li> <li>(ix) Fuel Cell-based UAVs</li> </ul>
<b>Application Form:</b>	<a href="https://bit.ly/3KuEkbl">https://bit.ly/3KuEkbl</a>

#### How to Apply:

- Candidates, who fulfil the eligibility criteria, should apply through the link given above
- For more details, please visit <https://iith.ac.in>

#### 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 a new advertisement with an extended date will be given if no suitable candidate is found.

#### Other criteria:

- IIT HYDERABAD will not provide accommodation.
- Please note that the position is on-site & Within IIT Hyderabad campus.