

INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI

(A State University established by Govt. of NCT of Delhi)

Date: 26 July, 2021

Subject: Inviting applications for a **PhD** position on an **Autonomous Driving** related sponsored grant titled as “*Safe and Secure Cooperative Adaptive Cruise Control for Collaborative Autonomous Driving*” at IIT Delhi. The sponsoring agency is IIT Palakkad Technology IHub Foundation (IPTIF) on Intelligent Collaborative Systems (ICS), A Department of Science and Technology (DST)-funded Section 8 company under National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS) initiative.

Post	PhD Scholar
Monthly Remunerations	<ul style="list-style-type: none">Rs. 31,000/- (+ HRA if Hostel Facility not availed) for the initial two yearsRs. 35,000/- (+HRA if Hostel Facility not availed) afterwards
Essential Qualification	<p>Eligibility Criteria :</p> <ul style="list-style-type: none">BTech/BE/MTech/MS/ME (in ECE/EE/CSE/ME/AE or allied areas) with a CGPA of 7.5 on a scale of 10 (or equivalent) or 70% <p>OR</p> <p>MCA/MSc (in ECE/CSE/EE or allied areas) degree is considered equivalent to BTech/BE degree. Such students are eligible to apply with a condition that they have BSc in Computer Science or BSc in any other subject with Mathematics as one of the courses. The marks requirement is the same as given above.</p> <p>OR</p> <p>MSc in Mathematics with at least 70% marks in both B.Sc and M.Sc or 7.5 CGPA and strong inclination towards CSE/ECE.</p> <p>Skill-Set Requirement :</p> <ul style="list-style-type: none">Good written and verbal communication skills.Basic knowledge about linear algebra, calculus, undergraduate-level control systems, preliminary probability theory.Proficiency in MATLAB-Simulink and/or Python.

	Desirable : <ul style="list-style-type: none"> ● Prior Experience with Linux ● Experience with any of the following will be a plus - ROS-Gazebo or Carla or Roadrunner ● Strong interest in Applied Mathematics (especially in Dynamical Systems and Control Theory), Machine Learning, and Robotics.
Duration	4 years (may be extended for an additional year)
Application Deadline	22nd August, 2021
Application Process	Submit your application in the following link: https://forms.gle/EsqTWbnx5XHg5zfF7 Contact: sayan@iiitd.ac.in

Note : GATE score is not mandatory for this application. Shortlisted candidates will be called for an online interview tentatively in mid- September. The detailed topics for the interview will be communicated via email as soon as the short-listing is done.