



Qdrone 2



Qcar



Autonomous Vehicles Research Studio



Qbot 3

Contact:

Coordinator: Dr. Axaykumar Mehta

The Registration Fees:

- Participants from Industries:
Rs.10,000/- + GST
- Faculty from Private Institutes:
Rs.5,000/- + GST
- Faculty from Govt Institutes:
Rs.2,500/- + GST
- Research Scholars/UG-PG Students:
Rs.2,500/- + GST



Jointly Organized by
Department of Electrical and Computer Science Engineering
and The Centre of Advanced Defence Technology (CADT)

About the STTP :

This training program is designed to provide a theoretical and practical understanding of controller designs for Autonomous Vehicles. Beginning with a review of classical controllers, the course will progress towards the for advanced intelligent algorithms used to control and stable operation of Autonomous Vehicles. In the course, MATLAB will be explored to demonstrate the Autonomous Vehicles for hands-on practice. The sessions will be delivered by the eminent speakers from Academia and Industries who are working in the domain of Autonomous Vehicles.

Objective:

- To learn the fundamentals of Autonomous Vehicles and their applications such as medical, agriculture, space mission and surveillance.
- To understand the kinematic and dynamic modelling of Autonomous Vehicles with simulation and practical deployment.
- To understand the advanced controllers for control of the Autonomous Vehicles.
- To Familiarize with the different strategies for Autonomous vehicles navigation and path planning.
- To explore demonstrate the hands-on practice in the Autonomous Vehicles laboratory.

Who can Participate ?

Faculty members, research scholars, students, and professionals interested in Autonomous Vehicles.

Link for Registration: <https://iitram.in/workshop/index42/index.php>

