

Resource Persons:(Tentative)

- Prof. Asokan Thondiyath, Department of Engineering Design, IIT Madras.
- Dr. P. Rajalakshmi, Department of Electrical Engineering, IIT Hyderabad
- Prof. Axaykumar Mehta, Department of Electrical and Computer Science Engineering, IITRAM Ahmedabad.
- Dr. Kiran Kumari, Department of Electrical Engineering, IISc Bangalore
- Dr. Parijat Bhowmick, Department of Electronics and Electrical Engineering, IIT Guwahati.
- Dr. Manas Kumar Bera, Department of Electronics and Instrumentation Engineering, NIT Silchar
- Dr. Aseem V Borkar, Technology, Innovation Hub for IoT and IoE (TIH-IoT), IIT Bombay.
- Mr. Pradyum Aadith S, Nugenix Robotics., Coimbatore.
- Mr. Pulkit Gaur, CTO, Gridbots Technologies Pvt. Ltd. Ahmedabad
- Dr. Abhishek Gupta, Dhirubhai Ambani University, Gandhinagar.
- Dr. Maryam Kaveshgar, Ahmedabad University, Ahmedabad.
- Dr. Abhishek Rawat, Department of Electrical and Computer Science Engineering, IITRAM Ahmedabad
- Dr. Ajit Kumar, Department of Mechanical and Aerospace Engineering, IITRAM Ahmedabad

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

Link for Registration:

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

Important Dates:

- Last date of online registration : January 1, 2026
- Date of confirmation : January 2, 2026
- workshop : January 19 to 23, 2026

The participation certificate will be awarded to all the participants after successful completion of the course.

QR Code for Address:



One Week Short Term Training Program on

ROBUST CONTROL OF AUTONOMOUS VEHICLES: THEORY TO PRACTICE

19th to 23rd January 2026



In Association with



QUANSER
INNOVATE · EDUCATE



Jointly Organized by

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

**INSTITUTE OF INFRASTRUCTURE, TECHNOLOGY,
RESEARCH AND MANAGEMENT (IITRAM)**

(An Autonomous University established by Government of Gujarat)

Near Khokhra Circle, Maninagar (East), Ahmedabad- 380026, Gujarat, India

Phone: 079-67775488/67775499 | Fax: 079 6777 5475

<http://www.iitram.ac.in>

About IITRAM:

The Institute of Infrastructure, Technology, Research And Management (IITRAM), Ahmedabad is an Autonomous University established by the Government of Gujarat in the year 2013 by enacting a state act to provide quality education in the field of Infrastructure and its Management. IITRAM is mandated to provide engineering education with specialization in Infrastructure and Management of Infrastructure. Currently, the Institute is offering Undergraduate, Postgraduate programs in Civil, Computer, Electrical and Mechanical Engineering and PhD programs in Engineering, Basic Sciences, and Humanities and Social Sciences. The Institute has state-of-the-art laboratories and the infrastructure in all the major areas/specialization in each branch to carry out experiments and research. Moreover, the Institute is equipped with various centers of excellence to promote research in collaboration with industry.

About Department:

The Electrical and Computer Science Engineering Department at IITRAM offers B. Tech, M. Tech and PhD programs in Electrical Engineering to cater the need of electrical engineers for industries and research organizations. The department impart a strong theoretical foundation and hands-on training to the students in the

domain electrical engineering. The faculty members are highly competent and are actively involved in overall development of the students along with research and developments in various domains of electrical engineering and computer science. The department has strong interaction with industry leaders to understand the future challenges as well as expectations of the industry by organizing Expert talks, Seminars, Colloquium and Workshops.

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:

The objectives of the short-term training program are:

- 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.

General Information:

- Interested candidates can register by filling the online registration form.
- TA to participants for the journey will not be reimbursed.
- Limited seats are available on this course.

Address for Correspondence:

Dr. Axaykumar Mehta, Professor

Department of Electrical & Computer Science Engineering, IITRAM

Near Khokhra Circle, Near Khokhara Circle, Maninagar (East), Ahmedabad, Gujarat - 380026

Email: axaymehta@iitram.ac.in

Ph: 079-67775423/9898199295