

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration. I also undertake the responsibility to inform the co-ordinators sufficiently in advance, in case I am unable to attend the course.

Place:

Date: Signature of the applicant

Sponsorship Certificate

Certified that Mr./Ms./Dr.

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is an employee of this institution and is hereby sponsored for the Online STTP on 'Research Trends and Advances in the Navigation and Control of UAVs' organized by College of Engineering Trivandrum during the period 22/03/2021 to 27/03/2021. He/she will be permitted to attend the course, if selected.

Place:

Date: Name & Signature of the Sponsoring Authority

(Seal of the Institution)

Address for Correspondence

Dr. Arlene Davidson R (Mobile : 9400818313)/

Dr. Sreeja S (Mobile: 9447906670)

Dept. of Electrical Engineering,

College of Engineering, Trivandrum.

E-mail: arlene@cet.ac.in, sreejas@cet.ac.in

How to apply

In order to apply for the FDP, a candidate from institutions under DTE has to create an account in the TMS portal of DTE (<http://admissions.dtekerala.gov.in/tpms/>) and then apply through the created account. Candidates from non-DTE institutions have to visit the portal <http://admissions.dtekerala.gov.in/tpms/> and click on the +Read More button in the Apply for a Course tab and apply through the Others option. The application included herewith or in a similar format, duly recommended by the Head of the institution should reach the coordinator on or before 15th March 2021. Advance copy of the application may be sent through email. The selected candidates will be intimated through email.

Eligibility

Faculty members from AICTE approved Engineering Colleges and Polytechnic Colleges are eligible to apply. Faculty from private self-financing institutions need to pay a fee of Rs. 500/-.

Important Dates

Last date for application	15/03/2021
Intimation of selection	17/03/2021
Confirmation of participation	18/03/2021

Short-Term Training Programme (Online) on

Research Trends and Advances in the Navigation and Control of Unmanned Aerial Vehicles

Sponsored by
Directorate of Technical Education
Government of Kerala

22nd March - 27th March, 2021

Coordinators:

Dr. Arlene Davidson R
&
Dr. Sreeja S

Organized by



Department of Electrical Engineering
College of Engineering Trivandrum
Thiruvananthapuram
KERALA - 695 016

College of Engineering, Trivandrum

College of Engineering Trivandrum was established in 1939 as the first Engineering College in the then Travancore State. Over the past 70 years it has grown to the most sought-after institute of engineering studies in the State of Kerala. The College has eight full-fledged engineering departments offering eight undergraduate, 22 postgraduate and Ph.D. programmes under the University of Kerala. The College has more than 3500 students, 285 teaching staff and 290 non-teaching staff. Ever since the inception, the College has maintained its commitment to high quality education. It has a vast and strong alumni base, spread across the globe.

About the Department

The Department of Electrical Engineering, College of Engineering Trivandrum began its operations along with the establishment of the College in 1939. The department offers an undergraduate B.Tech Programme in Electrical & Electronics Engineering and four M.Tech Programmes (Control Systems, Power Systems, Electrical Machines and Guidance & Navigation Control). The department is recognised as a QIP centre for Ph.D programme by the Ministry of Human Resources Development.

Objectives of the Programme

To provide an awareness on the research trends and research areas in the areas related to navigation and Control of UAVs.

Course Content

Basics of UAVs, Trajectory planning methods for UAVs, Optimal Path Planning, Formation Control of UAVs, Control of Tilted Rotor UAVs, Collision Detection and Avoidance, Drones for counter-UAV applications, UAV Design, Flight Testing, Drone Computing and Research Trends and Challenges of UAVs.

Resource Persons

1. Prof. Debasish Ghose, IISc Bangalore
2. Prof. Ashwini Ratnoo, IISc Bangalore
3. Prof. S N Omkar, IISc Bangalore
4. Prof. Sikha Hota, IIT Kharagpur
5. Prof. Arpita Sinha, IIT Bombay
6. Dr. Harshasimha M S, IIST Trivandrum
7. Dr. Anjaly Parayil, US Army Research Laboratory, USA
8. Dr. Harikumar Kandath, IIIT Hyderabad
9. Ms. Lima Agnel Tony, IISc Bangalore

Short-Term Training Programme (Online)

on

Research Trends and Advances in the Navigation and Control of Unmanned Aerial Vehicles

REGISTRATION FORM

Name :

Designation :

Official Address :

Mailing Address :

Mobile no :

E-mail :

Qualifications :

Specialization :

Experience :

Payment Amount :

Date :