

GUIDELINES:-

- A maximum of 50 Participants will be allowed for the program based on First cum, first-serve basis on the ATAL registration platform.
- The coordinators will conduct a test at the end of the program.
- The certificates will be issued to those participants who have attended the program with a minimum 80% attendance and scored a minimum of 60% marks in the test.
- A team will be formed before the session and the teams should read, discuss and summarize their findings from an article provided by the coordinators.

REGISTRATION:-

Registration has to be done only through Online

<https://atalacademy.aicte-india.org/>

For more information, kindly visit website

<https://atalacademy.aicte-india.org/FAQs>

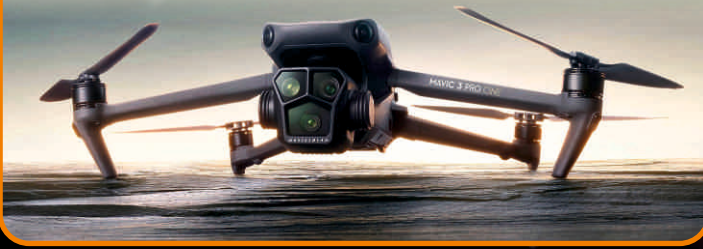
Registration is Free and Participants will be paid TA/DA according to ATAL regulations.

Sign in to the ATAL website and Search for the title "Emerging Technologies in Drone Design and Development" and register.

For any clarifications contact to:

E-mail: hasan.acsce@gmail.com

Mobile: +91 – 9994923912



RESOURCE PERSONS:-

Faculty from IIT, IISc, NITs, Scientists from Various Industries and Research Labs.

TOPICS COVERED:-

- Introduction to Drones and UAVs.
- Air Mobility: Exploring the Future of Flying Taxis
- Recent Advancements in Drones
- Advanced Techniques in the Design and Analysis of Drones
- Application of Artificial Intelligence in Drones
- Aerodynamics of Drones
- Propulsion Systems for Drones
- Hands-on training in Drones
- Commercialization and certification for Drones and UAVs
- Experimental Techniques used for Drone analysis
- Software for UAV and drone design and development



A Unit of RajaRajeswari Group of Institutions

ACS COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi, Govt. of Karnataka



AICTE SPONSORED
Six Days ATAL FDP
on



EMERGING TECHNOLOGIES IN DRONE DESIGN AND DEVELOPMENT

05th - 10th February 2024

Organized by

DEPARTMENT OF AERONAUTICAL ENGINEERING

ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bengaluru-74

Website: www.acsce.edu.in



ABOUT THE INSTITUTION:-

ACS College of Engineering (ACSCE), an institution of academic excellence, was established in 2009 with a cherished desire to serve the cause of humanity through education under the RajaRajeswari Group of Institutions(RRGI). ACSCE is affiliated with Visvesvaraya Technological University, Belagavi, approved by the All India Council of Technical Education (AICTE), New Delhi and Accredited with NAAC A Grade. The College offers technical education in a range of engineering disciplines, including new-age ones such as Aeronautical Engineering, Aerospace Engineering, Bio-Medical Engineering, Data Science, IOT and Cyber Security. ACSCE equips its students with the technical knowledge to meet global standards and challenges. It integrates value education, environmental awareness, and communication skills into its curriculum to mould the students as responsible citizens. The College is in a beautiful lush green landscape, free from a polluted environment. It has an excellent atmosphere and ambience suited for the growth of the soul and mind. It is located near the Bengaluru-Mysore Highway, 15 Km from the Bengaluru City Railway Station and km from Kengeri Railway Station.

ABOUT THE DEPARTMENT:-

The Aeronautical Engineering Department was established in the year of 2010 with an intake of 60 Students. The Department is accredited with NBA, affiliated under VTU with AICTE recognition to meet the scope of burgeoning needs of the Aerospace industry. Importance is given to full-fledged laboratories, Research activities and experienced Faculties with industrial exposure. The Department aim to lead the application of Science and Technology in Aeronautical and Aerospace engineering for global utility to produce and train responsible, competent, creative, and innovative professionals in the field of Aeronautical and Aerospace Engineering through world-class academic and application programs.

ABOUT THE ATAL ACADEMY:-

The main Objectives of the ATAL Academy are,

- To plan and help in imparting quality technical education in the country
- To support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.
- To stress upon empowering technical teachers and technicians using Information & Communication Technology
- To utilize the SWAYAM platform and other resource for the delivery of training.
- To provide a variety of opportunities for training and exchange of experiences Such as workshops, Orientations, learning communities, peer mentoring and other faculty development programs.
- To support policymakers for incorporating training as per requirements

ABOUT THE PROGRAM:-

This program aims to provide knowledge on drones and their recent advancements. Experts from Academia and industry provide the basics of drones and applications of Drones with Hands-on Experience sessions. The sessions will provide knowledge on integrating Artificial Intelligence in Drone technology with new possibilities and opportunities in various industries. It also covers certification requirements from government agencies for operating and manufacturing drones.

ELIGIBILITY:-

The faculty members of AICTE approved institutions, Universities, Research Scholars, PG Scholars, Government employees interested in drones, Industry persons and Working Professionals from R&D labs.

CHIEF PATRONS:-

Dr. A. C. Shanmugam, Chairman, RRGI

Sri. A. C. S. Arunkumar, Vice-Chairman, RRGI

PATRONS:-

Dr. S. Vijayanand, Executive Director, RRGI

Dr. S. Jeyabalan, Special Officer, RRGI

Sri C. N. Seetharam, I.A.S Rtd., CEO, RRGI

Dr. Anandthirtha B Gudi, Principal, ACSCE

Dr. S. Selvanandan, Vice Principal, ACSCE

ADVISORY COMMITTEE:-

Dr.P.Theerthamalai, Professor & Dean, ACSCE and Former Director-DRDL, Hyderabad

Dr.A.K.Sarkar, Professor, ACSCE & Former Technology Director-DRDL, Hyderabad

Prof.P.Soma, Professor, ACSCE & Former Deputy Director-ISTRAC, ISRO, Bangalore

ORGANIZING COMMITTEE:-

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For more Information about our Department

<https://www.acsce.edu.in/departament/aeronautical-engineering/>

