

CENTRE FOR UAV/DRONE TECHNOLOGY

ABOUT

A "Centre for UAV/Drone Technology" is a specialized facility or organization focused on the research, development, and innovation of unmanned aerial vehicles (UAVs) and drone technologies. This centre serves as hubs for experts, engineers, and researchers to collaborate on cutting-edge projects in the drone industry. They aim to advance the capabilities of UAVs, improve their applications in various sectors such as agriculture, transportation, surveillance, and delivery services, and explore new technologies like autonomous flight and drone swarm systems. . This centre play a pivotal role in shaping the future of UAV and drone technology, promoting safety, efficiency, and innovation in the rapidly evolving field of unmanned aerial vehicles.

OBJECTIVE

- Provide students with practical, hands-on experience in designing, building, and operating UAVs and drones to enhance their engineering skills
- Encourage students to engage in research projects related to UAV technology, fostering innovation and problem-solving abilities.
- Teach students the importance of safety protocols and regulatory compliance in UAV operations, preparing them for responsible drone use in real-world applications.
- Offer industry-aligned training programs and certifications to make students job-ready and competitive in the rapidly growing UAV technology sector
- Promote collaboration between engineering students and other disciplines such as computer science, data science, and environmental science to explore diverse applications of UAV technology.

CENTRE HEAD

Mr.M.Ashok Kumar M.E Assistant Professor/ECE

OUTCOME

- Students will have a comprehensive understanding of UAV design principles, including aerodynamics, propulsion, and materials, allowing them to design drones tailored to specific applications.
- Graduates will have hands-on experience with drone operation, gaining skills in flight planning, navigation, and troubleshooting, making them competent drone pilots and operators
- Students will learn how to process and analyze data collected by drones, enabling them to extract valuable insights for applications like agriculture, environmental monitoring, and infrastructure inspection

- Graduates will be well-versed in UAV regulations and safety protocols, ensuring they can operate drones legally and responsibly while adhering to aviation guidelines.
- The course will foster creativity and entrepreneurial skills, empowering students to develop innovative drone applications and potentially start their own UAV-related businesses or contribute to industry advancements.

EVENT ORGANIZED

Workshop on Drone Building. Over 100 participants, including both external and internal attendees, joined the event. Students had a hands-on experience in building drones



CERTIFICATION

Center for UAV & Aero Modelling	2022-23	Odd	Drone Technology	MSAJCE	29	34
	2021-22	Even	Drone Technology	MSAJCE	5	





MOHAMED SATHAK A J COLLEGE OF ENGINEERING

34, Rajiv Gandhi Salai (OMR), Siruseri IT Park, Chennai - 603103



COE in "DRONE AND AERO
MODELLING"



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B.E./B.Tech./M.E.

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Certificate of Completion



This is to certify that Mr. / Ms. SHAHRUKH FAKRUDEEN K III ECE student of Mohamed Sathak A J College of Engineering, Chennai has successfully completed the training program on **“UAV/Drone Modelling”** from 10th August 2022 to 29th October 2022. Conducted by UAV/Drone Technology Center, Department of Electronics and Communication Engineering.



Mr.M.Ashokkumar
Course Co - ordinator



Dr. I. Manju
Head - Technology Centre & Industry Relations



Dr. K.S. Srinivasan
Principal