

Date: 11/06/2024

**Report on "Alumni Interaction - Hands-on workshop on design of drone parts using Fusion 360"**

Name of the Program:	Hands-on workshop on design of drone parts using Fusion 360	Program Dates & Timings:	08/06/2024 (9.30 AM – 2:00 PM)				
Name & Details of the Resource Person:	Mr. Abhilash A S, TAFE, Bangalore.						
Organized by	Alumni Association & Aeroclub	In Association with	ARMS- Dept. of ME				
Number of Participants	42	Students	37	Faculty	5	External participants	
Program Outcome (PO) Mapping	CO1-PO1, 2,3,4, 5, 12, PSO1, PSO2 CO2- PO1; 2,3,4, 5, 12, PSO1, PSO2						
Coordinators	Dr. Sreejith B K, Mr. Prashantha D A, Mr. Harold J Dsouza						

**About the Program:**

Mr. Abhilash A S TAFE, Bangalore an accomplished professional in drone design and technology, delivered an insightful talk titled "Innovations and Trends in Drone Design" at The talk was part of the [Insert Event Name or Series], aimed at bridging the gap between academic learning and industry practices. The talk began with a brief overview of the evolution of drone technology, highlighting key milestones from early military applications to modern commercial uses. The speaker detailed innovations in drone aerodynamics, including the use of lightweight materials and aerodynamic designs that enhance efficiency and performance. Advances in propulsion systems, such as electric motors and hybrid systems, were discussed. Speaker Emphasized how these improvements contribute to longer flight times and greater maneuverability. Mr. Abhishek's talk provided a comprehensive

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overview of the current state and future directions of drone technology. The insights shared were not only informative but also inspirational, highlighting the exciting possibilities in this rapidly evolving field. The talk concluded with a call to action for students and professionals to continue exploring and innovating in drone design.

**Objectives: The program HANDS-ON WORKSHOP ON DESIGN OF DRONE PARTS USING FUSION 360 enable students:**

- Understand basics of 3D drawing environment to create drone parts models
- To get familiarise drone architecture.

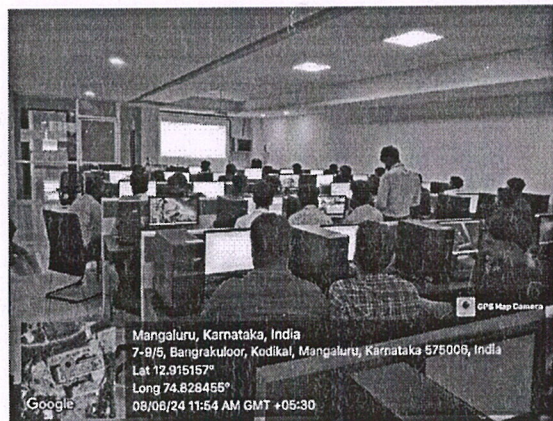
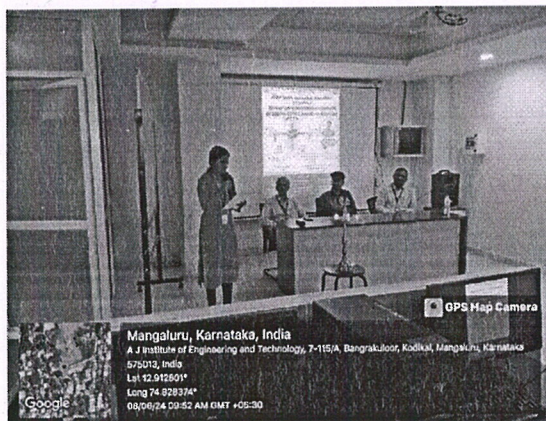
**Outcomes: On successful completion of program of this lecture/ technical talk/workshop the student should able to:**

1. Create drone parts in 3D environment Fusion 360 software
2. Learn basic drone components and architecture.

**Articulation Matrix:**

Course Outcomes	Program Outcomes												PSO	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2
1	1	1	2	2	2							2	2	2
2	1	1	2	2	2							2	2	2
Average	1	1	2	2	2							2	2	2

**Photos:**



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Coordinators

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