

REPORT ON DRONE SIMULATION AND ANALYSIS IN ANSYS EVENT

BY

ASME STUDENT SECTION

On 03rd of April 2023, ASME student chapter conducted an event on “Drone Simulation and Analysis in ANSYS” in our department seminar hall. The whole event was hosted by R. Thirumurugan/II year ASME Secretary. The event started with Qirath (prayer) pronounced by Mohammed Fazil. The welcome address was presented by Sundarakrishnan member ASME followed by chief guest felicitation by Dr. H. Siddhi Jailani Prof & DEAN School of Mechanical Sciences and Dr. A. S. Selvakumar Prof & HoD.

Drones have become a popular tool for a variety of applications, including surveillance, mapping, agriculture, and delivery. However, designing and testing drones can be expensive and time-consuming. This is where simulation software like ANSYS comes in handy. ANSYS is a powerful simulation tool that can help engineers and designers create accurate models of drone components and systems, analyze their performance, and optimize them for maximum efficiency. To demonstrate the capabilities of ANSYS in drone simulation and analysis, we invited a team of experts Mr. Deepesh Kumar Singh, Mr. Ganeshvel Rajavel (ARK Infosolutions Pvt Ltd., Chennai) and Mr. Ramaiah Chidambaram (CIIC, BSACIST) to present their work. The team consisted of mechanical engineers and aerospace specialists who have used ANSYS to design and test drones for various applications.

The presentation begin with an overview of ANSYS and its features that make it suitable for drone simulation. The experts then demonstrated how ANSYS can be used to create accurate models of drone components. After concluding the lecture, the vote of thanks was given by Mohammed Hairur Raheem ASME member. More than 45 students attended the event. The whole event was organised and conducted by ASME co-ordinator Dr. M. Thirumurugan and ASME student members and office bearers. The event photos are as follows.



Department of Mechanical Engineering

ORGANISES
WORKSHOP
ON

DRONE SIMULATION AND ANALYSIS IN ANSYS

RESOURCE PERSONS

Deepesh Kumar Singh

Communication
expert in Ansys

Ganeshvel

Drone Simulation
expert in Ansys

Venue : CAD LAB MS Block

9:30- Am

DATE : 03-04-2023

Registration fee - ₹50

Register here & fly

CONTACT: ANANTHAKRISHNAN
8870149384

FACULTY ADVISOR:
DR. M. THIRUMURUGAN



Poster Invitation



Speakers Introduction



Felicitation of Guests



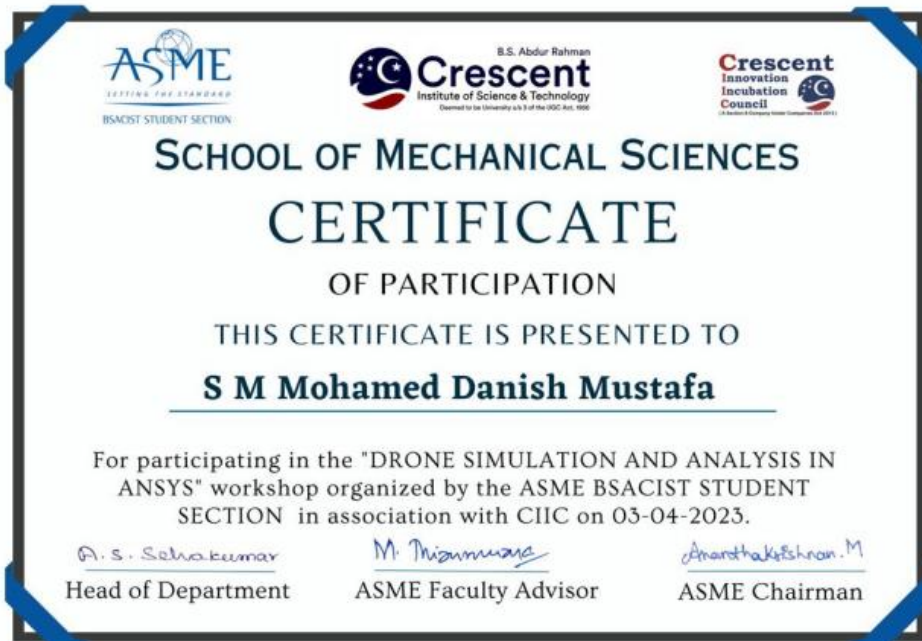
Lecture Presentation



Vote of Thanks



Group Photo with ASME members and Participants



Sample Student Participation Certificate

List of Students participated in the event:

Sl.No	Name	RRN No	Department	Year of study
1.	A SHABBEER SHARIEFF	210091602002	Aeronautical	2
2.	SHAJAKHAN R	210091602003	Aeronautical	2
3.	Zuhair Hussain	220071601273	CSE	1
4.	Mohamed rasith A	220051601066	ECE	1
5.	S.Mohammadrafeeuudeen	220051601067	ECE	1
6.	Krithica	200051601016	ECE	3
7.	Ayesha Sithika	210041601010	EEE	2
8.	Sumayathul Haire S	210041601064	EEE	2
9.	Abdul Faalil A J	210061601001	EIE	2
10.	Abdullah Khalid	210061601002	EIE	2
11.	K.MOHAMED ABUBACKER SIDDIQ	210061601010	EIE	2
12.	Rakesh Madhav	210061601019	EIE	2
13.	Sabarinathan	210061601022	EIE	2
14.	Abishek	210061601003	EIE	2
15.	S.Aathil Ibrahim		EIE	2
16.	Aravind Srinivasan	220021601009	Mechanical	1
17.	Mohamed Shajath	220021601029	Mechanical	1
18.	BALASABARISH	210021602002	Mechanical	2
19.	Jose Samraj	210021601029	Mechanical	2
20.	MOHAMED FAZULUDEEN. M	210021602004	Mechanical	2
21.	MOHAMMED ASHIK A	210021602005	Mechanical	2
22.	Muhsin A R	210021601062	Mechanical	2
23.	POOJHA S	210021601066	Mechanical	2
24.	S.Roshan Kumar	210021601071	Mechanical	2
25.	Shahul Hameed	210021601076	Mechanical	2
26.	Farih Fyzal K	200021601007	Mechanical	3

27.	Gugan.b	200021602012	Mechanical	3
28.	Kadhir Imran	200021602014	Mechanical	3
29.	Kamesh	200021602016	Mechanical	3
30.	Manikandan	200021602020	Mechanical	3
31.	S.MOHAMED AMEER SULTHAN	200021602021	Mechanical	3
32.	Mohammad Salman	190021601033	Mechanical	4
33.	Sundarakrishnan g	210021601082	Mechanical	2
34.	Mohamed Hannan E	200021602023	Mechanical	3
35.	S.Gowtham	200021602011	Mechanical	3