Report for " 3 Days Student Development Program(SDP)"

Name of the Event	:	**Student Development Program – From Mesh to Flight: Empowering Students with CFD Tools**
Resource Person	:	**Dr. Nikhil Vijay Shende**, Managing Director, S & I Engineering Solutions, Bangalore.
Date & Time	:	**14, 15 & 23.10.26**
Venue	:	IV Floor Seminar Hall.
No. of Participants	:	**39** (39 III Yr Aerospace) Students.

About the Seminar

The Department of Aerospace Engineering organized a Student Development Programme titled "From Mesh to Flight: Empowering Students with CFD Tools" to create awareness among budding aerospace graduates about the importance and applications of Computational Fluid Dynamics (CFD) in the aerospace industry.

The programme commenced at 10:45 AM with a welcome address by the Head of the Department, Dr. C. Suresh, who also introduced the Chief Guest and Resource Person. The resource person delivered an informative and engaging session highlighting the significance of CFD tools in aerospace industries. The session provided insights into the role of computer-aided design, modelling, meshing, and simulation in aerospace engineering applications. The third day schedule was postponed to Friday, 23.10.2026 due to the Pooja festival, with the principal approval.

For a Student Development Programme, the following topics are particularly relevant:

- Fundamentals of CFD and governing equations.
- Navier–Stokes equations.
- Computational domain and mesh generation.
- Boundary conditions and initial conditions.
- Laminar and turbulent flow analysis.
- Aircraft wing aerodynamic simulation.

- Pressure and velocity contour analysis.

- Drag and lift coefficient estimation.
- CFD analysis of UAV propellers.
- Validation of CFD results with experimental data.

Programme Outcomes:

- Students gained awareness of the importance and applications of Computational Fluid Dynamics (CFD) in the aerospace industry.
- Students gained basic insights into 3D modelling, meshing, and simulation techniques.
- Students understood the importance of CFD tools in analysing aerodynamic behaviour and improving aircraft design.
- Students enhanced their technical knowledge through interaction with the resource person.
- Students gained motivation to explore industry-relevant CFD software tools and pursue further learning in aerospace engineering.

At the end of the session, students interacted with the resource person to clarify their doubts about the topic. Students expressed their gratitude that the program was highly informative and interesting. Finally, the seminar ended with a vote of thanks.

Dr. ACS COLLEGE OF ENGINEERING

(Autonomous Institution)
Affiliated to VTU, Belagavi, Approved by AICTE New Delhi and Govt. of Karnataka
(A Unit of RajaRajeswari Group of Institutions)
Mysore Road, Bengaluru, Karnataka

NAAC 'A' Accredited
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ISO 9001:2015

DEPARTMENT OF AEROSPACE ENGINEERING

Event Poster :

Dr.ACS COLLEGE OF ENGINEERING

An Autonomous Institution
Under VTU - Belagavi, Approved by AICTE, UGC & GoK
No. 207 Kambipura, Mysore Road, Bengaluru – 560 074

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BME-ECE
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Department of Aerospace Engineering

Organising a value-added course titled "From Mesh to Flight: Empowering Students with CFD Tools."



RESOURCE PERSON

Dr. Nikhil Vijay Shende
Managing Director
S&I Engineering Solutions
Bengaluru

Date: 14th Oct 2026

Time: 09:00 A.M. - 03.30 P.M.

Venue: 3rd Floor Seminar Hall,
Dr. ACSCE Campus

Dr. A. K. Mariappan, Rector, RRGI **Dr. S. Meenakshi Sundaram,** Registrar, RRGI **Dr. B. S. Shylaja,** Principal

Convenor
Dr. C. Suresh , HoD - ASE

Program Coordinator
Dr.T.Ayyasamy, Associate Professor

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Gallery:


GPS Map Camera
Bengaluru Urban, Karnataka, India
Acs College Of Engineering Canteen & Xerox Shop, Rajarajeshwari Medical College And Hospital, Karnataka 560074, India, Bengaluru Urban, Karnataka 560074, India
Lat 12.891074° Long 77.465808°
Wednesday, 14/10/2026 10:06 AM GMT +05:30
Note : Captured by GPS Map Camera
Google


GPS Map Camera
Bengaluru Urban, Karnataka, India
Acs College Of Engineering Canteen & Xerox Shop, Rajarajeshwari Medical College And Hospital, Karnataka 560074, India, Bengaluru Urban, Karnataka 560074, India
Lat 12.891051° Long 77.465815°
Wednesday, 14/10/2026 10:08 AM GMT +05:30
Note : Captured by GPS Map Camera
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Bengaluru,KA,India
KH Layout, Kambipura, Bengaluru, KA 560074, India
Lat 12.891385, Long 77.465737
Friday, 23/10/2026 02:15 PM GMT+05:30
Note : Captured by GPS Map Camera


Bengaluru,KA,India
KH Layout, Kambipura, Bengaluru, KA 560074, India
Lat 12.891385, Long 77.465742
Friday, 23/10/2026 02:15 PM GMT+05:30
Note : Captured by GPS Map Camera

ATTENDANCE SHEET

Year/Sem: III/V **Academic Year: 2026-2027**

S.NO	USN	NAME OF THE STUDENT
1	1AH24AS001	A KHUSHI
2	1AH24AS002	ABHISHEK N
3	1AH24AS004	AISHWARYA
4	1AH24AS005	AISHWARYA VINOD NAYAK
5	1AH24AS006	AJAYKUMAR N V
6	1AH24AS007	AKSHITA INJALLIKAR
7	1AH24AS008	ANSH NANDWANA
8	1AH24AS009	ANUJ KARTHIK S
9	1AH24AS012	BHOOMIKA C H
10	1AH24AS013	CHARAN SIMHA SU
11	1AH24AS014	CHAYA R
12	1AH24AS015	DABASIYA RAJAN ARVIND
13	1AH24AS016	DEEKSHA V
14	1AH24AS017	DILIP T S
15	1AH24AS018	DINESH M
16	1AH24AS019	GAGAN P
17	1AH24AS020	GAGANA G
18	1AH24AS021	GAGANESH L
19	1AH24AS022	GUNASHREE K
20	1AH24AS024	HRUTHVIK SAGAR S

21	1AH24AS025	JAYASHREE R
22	1AH24AS028	KEERTHANA L
23	1AH24AS029	MAITRI HANUMANTH NAIK
24	1AH24AS031	MOHAMED MATEEN MOHAMMED GOUS KARIDAWAL
25	1AH24AS032	NANDINI RANI K
26	1AH24AS033	PAVAN G
27	1AH24AS034	PRAJWAL P
28	1AH24AS035	RAHUL A
29	1AH24AS036	ROSHAN RATHNAM R
30	1AH24AS037	SACHIN K C
31	1AH24AS038	SACHIN N R
32	1AH24AS039	SAMANVITA KALYANKUMAR KULKARNI
33	1AH24AS040	SHABBIR ALAMSHA
34	1AH24AS041	SHREESHA R RAO
35	1AH24AS042	SRIJA SANDRA M
36	1AH25AS400	SUTHAKAR
37	1AH23AS002	ADITYA K V
38	1AH23AS004	AKSHAY
39	1AH23AS029	MUHAMMED MAITEEN

Event Coordinator

HoD

PRINCIPAL
Dr. ACS COLLEGE OF ENGINEERING
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