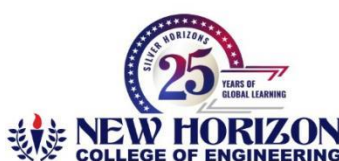


Expert Talk

on

Advances in Aerospace Product Design



Expert Talk

Advances in Aerospace Product Design

📅 24th April 2026

🕒 02:00 PM to 05:00 PM

📍 Falconry Seminar Hall



Dr. Madeva Nagaral

Manager

Aircraft Research and Design Centre
Hindustan Aeronautics Limited

Faculty Coordinator
Dr. Hemanth Raju
Associate Professor

Convenor
Dr. D V Sreekanth
HoD - ME

Dr. R J Anandhi
Dean - Academics

Dr. Manjunatha
Principal

Organised by
Department of Mechanical Engineering

RESOURCE PERSON: Dr. Madeva Nagaral

DESIGNATION: Manager, Aircraft Research and Design Centre, Hindustan Aeronautics Limited

DATE: 24th April 2026

VENUE: Falconry Seminar Hall

PARTICIPANTS: 4th & 6th SEMESTER MECHANICAL
ENGINEERING STUDENTS

NO OF PARTICIPANTS: 50

TIMINGS: (2.00 PM – 5.00 PM)

The New Horizon College of Engineering successfully conducted a Expert Talk “**Advance in Aerospace Product Design**”for **Mechanical Engineers**” on 24th April 2026 at the **Falconry Seminar Hall**. The session was organized by the Department of Mechanical Engineering for 4th & 6th semester students.

The guest talk was delivered by **Dr.Madeva Nagaral** An expert talk on “**Advances in Aerospace Product Design**” was organized for the students of the Mechanical Engineering Department with the objective of enhancing their knowledge in modern aerospace technologies, aircraft design methodologies, and emerging trends in the aerospace industry. The session was delivered by Dr. Madeva Nagaral, an expert in aerospace design and development with extensive experience in the field of aircraft research and engineering.

During the session, the speaker explained the importance of aerospace product design in the development of modern aircraft systems and highlighted the role of advanced materials, lightweight structures, aerodynamic optimization, and computational design techniques in improving aircraft performance and efficiency. He discussed the latest innovations in aerospace engineering, including composite materials, additive manufacturing, digital simulation, and computer-aided engineering tools used in aircraft design and testing. The talk also emphasized the significance of quality standards, safety regulations, and product certification processes followed in the aerospace sector.

Dr. Nagaral shared valuable insights into the design and development activities carried out at Aircraft Research and Design Centre (ARDC), HAL, Bengaluru, and explained the challenges involved in aerospace product development such as structural reliability, fatigue analysis, weight reduction, and performance optimization. He also highlighted the growing opportunities for mechanical engineers in aerospace industries and encouraged students to develop strong technical skills in CAD/CAM, finite element analysis, product lifecycle management, and research-oriented learning.

The session was highly interactive, and students actively participated by asking questions related to aircraft design, aerospace materials, manufacturing technologies, and career opportunities in the aerospace sector. The expert talk provided students with practical exposure to current industrial practices and enhanced their understanding of emerging technologies in aerospace product design. Overall, the event was informative, inspiring, and beneficial in bridging the gap between academic learning and industrial applications in the aerospace domain.



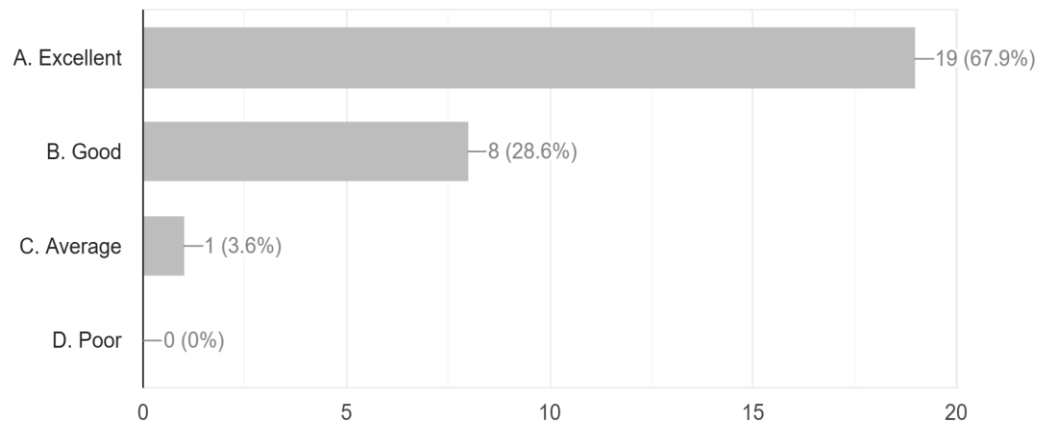


The Expert talk witnessed enthusiastic student participation, with active discussions and thoughtful queries throughout the session. It significantly strengthened their understanding of key electric vehicle technology concepts and inspired them to explore advanced topics in the field further.

The event was coordinated by **Dr.Hemanth Rajui T**, with **Dr. D V Sreekanth**, Head of the Department, serving as the convenor. The program was conducted under the guidance of **Dr. Manjunatha**, Principal.

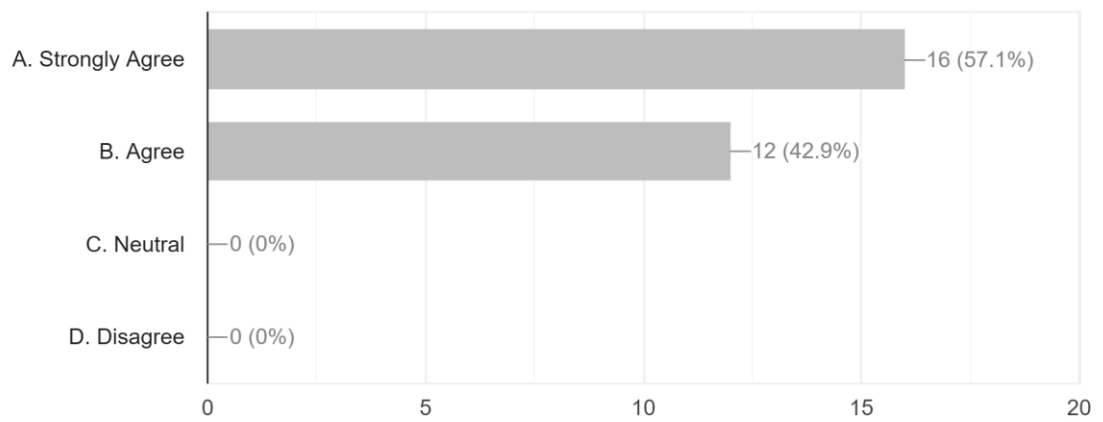
1.How would you rate the overall quality of the expert talk on aeronautical design?

0 / 28 correct responses



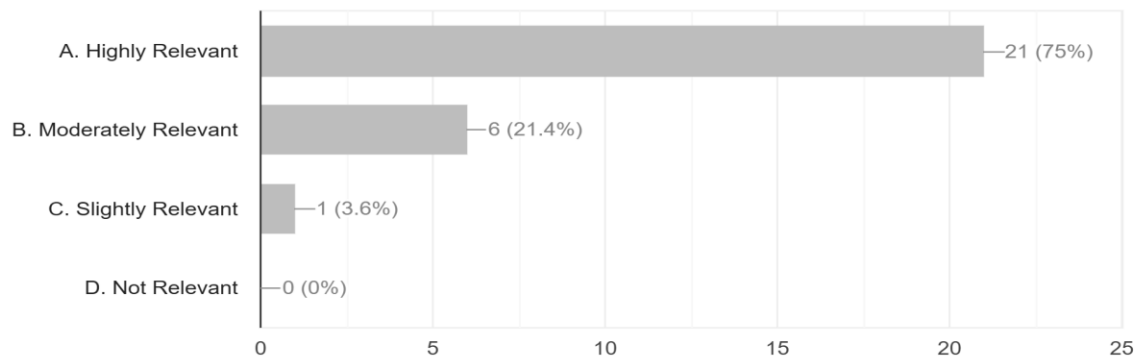
2. The concepts related to aeronautical design (e.g., aircraft structures, aerodynamics) were explained clearly.

0 / 28 correct responses



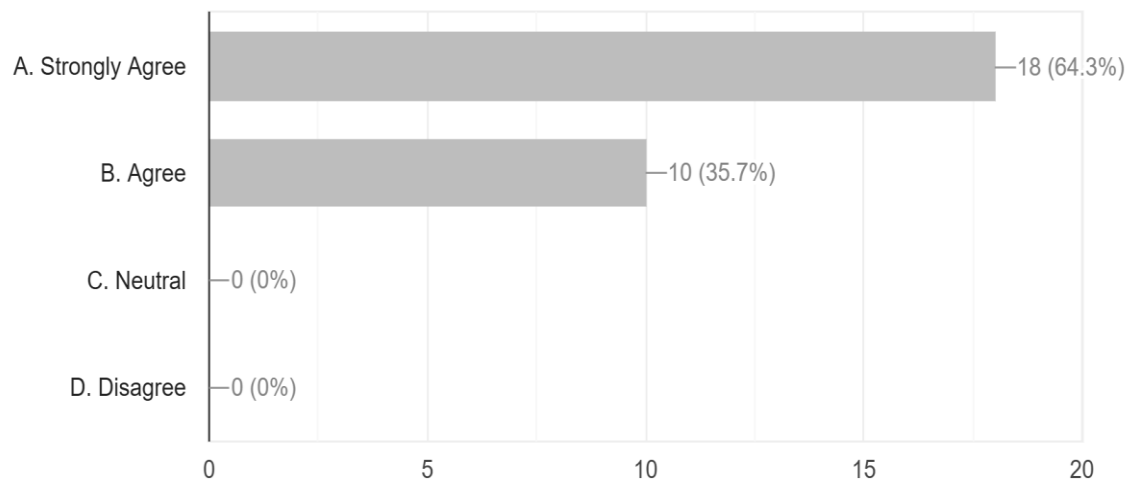
3.How relevant was the talk to your academic curriculum and future career in aeronautical engineering?

0 / 28 correct responses



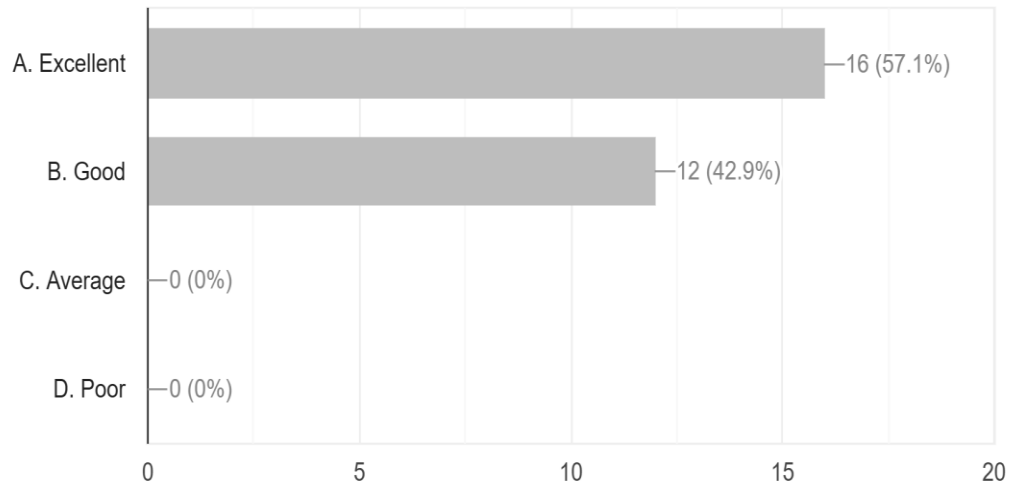
4. The speaker's use of real-world applications and case studies (e.g., aircraft design projects) enhanced your understanding.

0 / 28 correct responses



5. How would you rate the effectiveness of the presentation style (communication, visuals, engagement)?

0 / 28 correct responses



The Expert proved to be highly insightful and beneficial, giving students meaningful exposure to industry practices while strengthening their technical understanding and skill set.

	A	B	C	D	E	F	G	H	I	J
	Timestamp	Email Address	Score	USN	NAME	1.How would you rate the overall quality of the	2. The concepts related to aeronautical design	3.How relevant was the talk to your academic	4. The speaker's use of real-world applicatio	5. How would you rate the effect
2	4/22/2026 1:34:01	hemanth.bhadravathir	0 / 7		Hrt	A. Excellent	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	A. Excellent
3	4/24/2026 17:11:56	keshavkeshava389@	0 / 7	1NH25ME400	Keshav	A. Excellent	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	A. Excellent
4	4/24/2026 17:12:13	veda.ajilur@googlem	0 / 7	1NH23ME061	Veda Ramnath	B. Good	B. Agree	A. Highly Relevant	B. Agree	B. Good
5	4/24/2026 17:12:49	reddy.dikshitha06@gr	0 / 7	1NH24ME025	Dikshitha M Reddy	A. Excellent	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	B. Good
6	4/24/2026 17:13:10	adhvaithsivakaran@	0 / 7	1NH24ME004	Adhvaith Sivakaran	A. Excellent	B. Agree	A. Highly Relevant	A. Strongly Agree	A. Excellent
7	4/24/2026 17:13:54	gokul806090@gmail.c	0 / 7	1NH23ME018	Gokul V Krishi Sai	A. Excellent	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	A. Excellent
8	4/24/2026 17:17:09	oliyathaalim@gmail.c	0 / 7	1NH24ME002	Aalim Osman Oliyath	A. Excellent	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	A. Excellent
9	4/24/2026 17:17:13	suhananazifa9@gmai	0 / 7	1NH23ME056	Suhana	A. Excellent	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	A. Excellent
10	4/24/2026 17:17:14	mahindranc2006@gmr	0 / 7	1NH24ME039	Mahindra NC	B. Good	B. Agree	B. Moderately Relevant	B. Agree	B. Good
11	4/24/2026 17:18:01	everythingfms@gmail	0 / 7	1NH24ME012	Ashank D	B. Good	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	B. Good
12	4/24/2026 17:27:13	shadunjr11@gmail.co	0 / 7	1nh23me050	Shadan	B. Good	B. Agree	B. Moderately Relevant	B. Agree	B. Good
13	4/24/2026 17:41:03	bhuvanbr690@gmail.c	0 / 7	1NH24ME019	Bhuvan BR	A. Excellent	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	B. Good
14	4/24/2026 19:14:05	yashgautam572@gm.	0 / 7	1NH24ME057	Sunit Gautam	A. Excellent	B. Agree	A. Highly Relevant	B. Agree	B. Good
15	4/24/2026 19:19:15	chaitra.hiregoudari@	0 / 7	1NH23ME012	Chaitra Hiregoudar	A. Excellent	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	A. Excellent
16	4/24/2026 19:24:17	darshandarshan94012	0 / 7	1NH23ME014	Darshan K	A. Excellent	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	B. Good
17	4/24/2026 19:44:47	adityagondaa@gmai	0 / 7	1NH23ME001	Aditya gonda s	B. Good	B. Agree	B. Moderately Relevant	B. Agree	B. Good
18	4/24/2026 21:54:47	wakeuptoreality277@	0 / 7	1NH24ME061	THIRAJVELAN N	A. Excellent	A. Strongly Agree	A. Highly Relevant	A. Strongly Agree	A. Excellent
19	4/24/2026 23:35:58	adithgowda2508@gm	0 / 7	1NH24ME005	Adith Sagar Gowda S	A. Excellent	A. Strongly Agree	C. Slightly Relevant	A. Strongly Agree	A. Excellent
20	4/25/2026 12:27:51	nishkala210@gmail.c	0 / 7	1NH24ME044	Nishkal	C. Average	B. Agree	B. Moderately Relevant	B. Agree	B. Good

New Horizon College of Engineering
Attendance- Expert Talk

1E

Mechanical Engineering
Bachelor of Engineering
Semester IV

Date: 24 April 2026

Timings: 2:00 - 5:00pm

Sl No	Permanent USN	NAME	Signature
1	1NH23ME044	PUNITH YADAV N	
2	1NH24ME001	AAKASH HOSMANI	
3	1NH24ME002	AALIM OSMAN OLIVATH	
4	1NH24ME003	ABHIJITH SHIVA	
5	1NH24ME004	ADHVAITH SIVAKARNAN	
6	1NH24ME005	ADITH SAGAR GOWDA S	
7	1NH24ME009	AKSHAY M	
8	1NH24ME010	ALAN AUGUSTINE	
9	1NH24ME011	ANIRUDH AASISH	
10	1NH24ME012	ASHANK AMAR DESAI	
11	1NH24ME013	ASHWATH NARAYAN L	
12	1NH24ME014	AYYANNA PATTAR	
13	1NH24ME015	B L GOWTHAM	
14	1NH24ME016	BANDAKATI LAKSHMI PRASANTH REDDY	
15	1NH24ME019	BHUVAN B R	
16	1NH24ME020	BIPASH P D	
17	1NH24ME022	DARSHAN GUBACHI	
18	1NH24ME023	DHRUBAJYOTI DAN	
19	1NH24ME025	DIKSHITHA M REDDY	
20	1NH24ME029	H HRUSHIKESH VISHWAKARMA	
21	1NH24ME034	JEETESH BURJI	
22	1NH24ME035	KALIDINDI CHIRDEEP VARMA	
23	1NH24ME038	MAHADEVAN CHANDRASEKHARAN PILLAI	
24	1NH24ME039	MAHINDRA N C	
25	1NH24ME040	MALLIPUDI VAISHNAVI	
26	1NH24ME041	MOHAMED MUEED	
27	1NH24ME042	MOHAN SHARMA	
28	1NH24ME044	NISHKAL A	
29	1NH24ME045	PRERAN H	
30	1NH24ME046	PRITHVI JOGUR	
31	1NH24ME047	RICKY HANISH J	
32	1NH24ME048	RITHVIK S	
33	1NH24ME049	S R KARTHIK	
34	1NH24ME050	S ROHITH GOWDA	
35	1NH24ME052	SACHITH C G	
36	1NH24ME054	SIDDHARTH DUTTA	
37	1NH24ME057	SUNIT GAUTAM	
38	1NH24ME058	SURAJ S	
39	1NH24ME060	T GIRI VARDAN REDDY	
40	1NH24ME061	THIRAJVELAN N	
41	1NH25ME400	KESHAVA G	
42	1NH25ME401	NAVEEN KUMAR RG	
43	1NH25ME402	PAUL VINITH D	
44	1NH25ME403	SHIVAPRASAD T K	
45	1NH25ME404	THARAK C S	
46	1NH25ME405	YASHWANTH A	

NAME

New Horizon College of Engineering
Attendance- Expert Talk

Branch : Mechanical Engineering
Program : Bachelor of Engineering
Semester : VI

Date: 24 April 2026

Timings-2:00 - 5:00pm

Sl No	USN	NAME	Signature
1	1NH23ME001	ADITYA GONDA S	
2	1NH23ME003	AHAN THAPA	
3	1NH23ME004	AJITH KUMAR L	
4	1NH23ME006	ALLEN JEO	<i>Allen JEO</i>
5	1NH23ME007	ANIKET	<i>Aniket</i>
6	1NH23ME009	ARCHISMAN MAHAPATRA	
7	1NH23ME010	ASHRAY GUPTHA H A	<i>Ashray</i>
8	1NH23ME011	B SRIRAM	
9	1NH23ME012	CHAITRA HIREGOUDAR	<i>Chaitra</i>
10	1NH23ME013	CHARAN BABU R	
11	1NH23ME014	DARSHAN K	<i>Darshan K</i>
12	1NH23ME018	DHRUV D	
13	1NH23ME016	G SATHYA NARAYANAN	<i>G Sathya</i>
14	1NH23ME018	GOKUL V KRISHI SAI	<i>Gokul sai</i>
15	1NH23ME019	GOWTHAM M	
16	1NH23ME021	HARSHITH S	
17	1NH23ME022	HEMANTH KUMAR M	<i>Hemant</i>
18	1NH23ME024	K T PRAVIN	<i>K T Pravin</i>
19	1NH23ME029	KUSHAL KUMAR M	<i>Kushal</i>
20	1NH23ME030	LOHAN JOSH S	
21	1NH23ME031	M NITESH SAI CHOWDARY	<i>M Nitesh</i>
22	1NH23ME036	NADEEM	<i>Nadeem</i>
23	1NH23ME038	NISHANTH C S	
24	1NH23ME040	PK CHIRAG	
25	1NH23ME042	PRAJWAL D	<i>Prajwal</i>
26	1NH23ME043	PRANEETH MAJHI	
27	1NH23ME047	REVANASIDDA	<i>Revansidda</i>
28	1NH23ME049	SACHIN RAVI VARMA	
29	1NH23ME048	RUDRANSHU DAS	
30	1NH23ME050	SHADAN	
31	1NH23ME052	SHASHANK B R	<i>Shashank</i>
32	1NH23ME053	SHIVA PRASAD K N	<i>Shiva</i>
33	1NH23ME054	SHREYAS MANJUNATH	<i>Shreyas</i>
34	1NH23ME055	SRI HARSHA R	
35	1NH23ME056	SUHANA	<i>Suhana</i>
36	1NH23ME057	T ARAVIND	
37	1NH23ME059	VAIBHAV S HELAVAR	<i>Vaibhav</i>
38	1NH23ME061	VEDA RAMNATH	<i>Veda</i>
39	1NH24ME400	AJAYA B G	
40	1NH24ME401	BEERALINGA	<i>Beeralinga</i>
41	1NH24ME402	KUSHAL KUMAR S	
42	1NH24ME403	NAVEEN V	
43	1NH24ME404	RAVEESH K	<i>Raveesh</i>

ME