

Name of the Event	Expert lecture
Date	11-09-2026
Beneficiary	VII SEMESTER STUDENTS
Faculty Coordinator	Dr. P.Sudhakiran and Mr. Omkar K Kanetkar
Write up	The Department of Electronics and Communication Engineering organized an expert lecture on “Hardware Security and Cryptography for Secure VLSI Systems” on 11th September 2026. The session was delivered by Mr. George Jacob, Founder and CEO of Semicon Design Technologies. The expert talk aimed to provide valuable insights into the importance of hardware security in modern VLSI systems and the role of cryptography in ensuring secure and reliable semiconductor designs. The session focused on real-world applications, emerging security challenges, and industry expectations in the field of secure VLSI systems. Key Highlights of the Lecture: Mr. George Jacob elaborated on several important aspects related to hardware security and cryptography, emphasizing the following key areas: 1. Need for Hardware Security in VLSI Systems: Discussion on the increasing security threats in semiconductor designs, including hardware Trojans, side-channel attacks, reverse engineering, and intellectual property (IP) piracy. 2. Role of Cryptography in VLSI: Explained how cryptographic techniques are used to protect data, ensure authentication, and provide secure communication in hardware-based systems. 3. Security Challenges in Modern VLSI Design: Highlighted the challenges arising from technology scaling, complex System-on-Chip (SoC) architectures, semiconductor supply-chain risks, and the growing demand for secure embedded systems. 4. Industry Applications and Case Studies: Shared real-world examples and industry experiences demonstrating the importance of hardware security in areas such as IoT, automotive electronics, consumer devices, and critical infrastructure.

5. Career Opportunities in VLSI Security:

The session highlighted various career opportunities in the domain, including:

- VLSI Security Engineer
- Hardware Design Engineer
- Cryptography Engineer
- SoC Verification Engineer
- Research and Development opportunities in Semiconductor Security

The session was attended by **84 students of the VII semester** students along with **3 faculty members**. Students actively participated in the discussion and gained valuable knowledge about real-world cybersecurity challenges and industry expectations.

The expert lecture provided significant insights into the current challenges, practical solutions, industry applications, and career prospects in the field of hardware security and cryptography. The session was highly informative and beneficial for the students in understanding the growing importance of secure VLSI systems in the rapidly evolving semiconductor industry.



Expert Lecture

Hardware Security and Cryptography for Secure VLSI Systems

📅 11th September 2026

🕒 11:00 AM – 01:00 PM

📍 Tejas Seminar Hall

🎓 7th Semester Students



George Jacob
Founder, CEO
Semicon Design Technologies

Course & Course Code: Coding and Cryptography (22ECE73)

Faculty Coordinators

Dr. P Sudhakiran

Associate Professor, ECE

Mr. Omkar Kanetkar

Assistant Professor, ECE

Course Coordinator

Mr. Ajay Sudhir Bale

Senior Assistant Professor, ECE

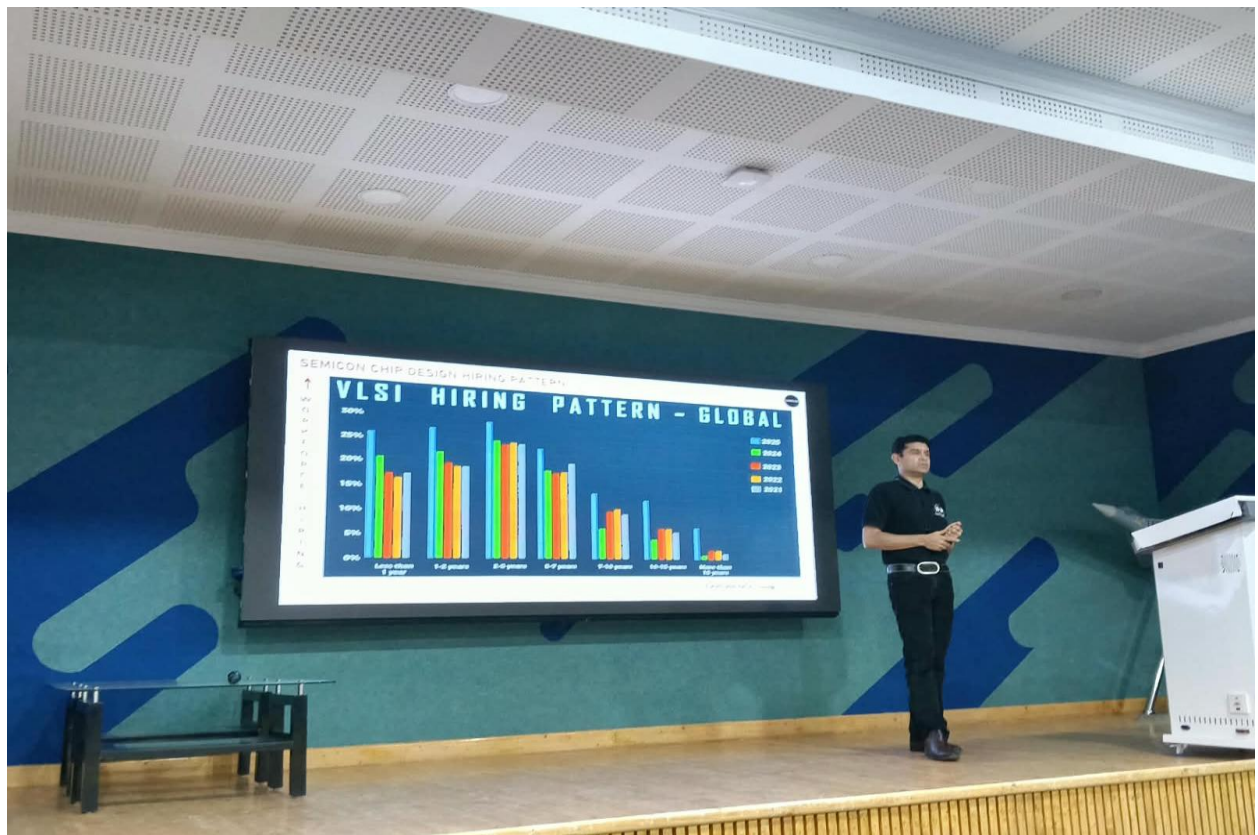
Convenor

Dr. Aravinda K

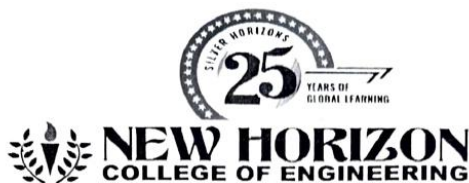
Professor & HoD, ECE

Organised by

Department of Electronics and Communication Engineering







NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
 Topic Name: Hardware Security and Cryptography for Secure VLSI Systems

CLASS LIST

Expert Lecture Attendance

Date: 11th September 2026

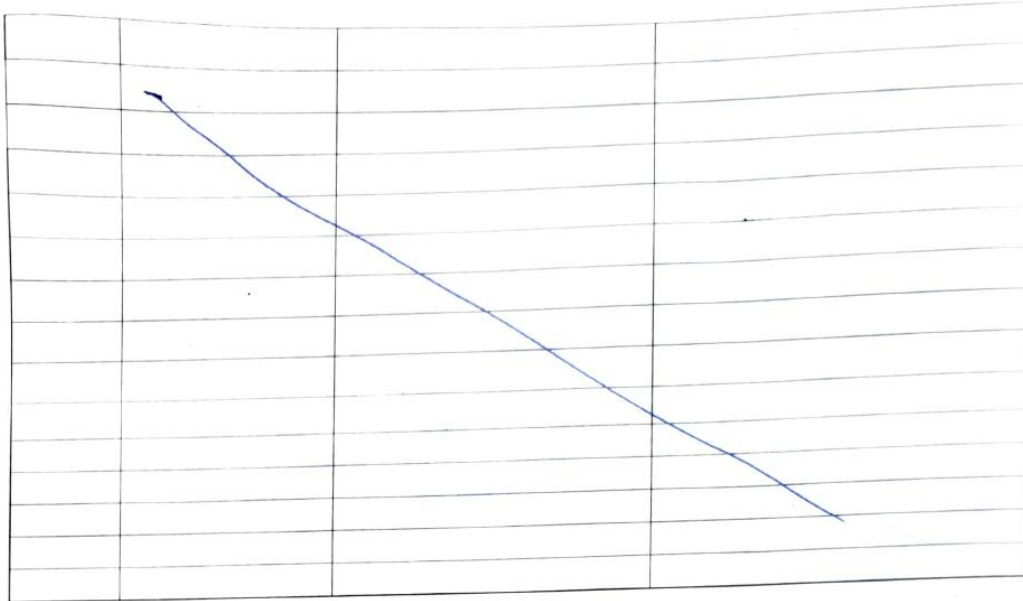
Time: 11 AM – 01 PM

Sl. No.	USN	NAME OF STUDENT	SIGNATURE
1.	1NH23EC055	G. Sreenditi	<u>G. Sreenditi</u>
2.	1NH23EC019	Arpitha. M	<u>Arpitha.</u>
3.	1NH23EC004	Akhijna	<u>Akhijna.</u>
4.	1NH23EC010	Akshatha	<u>Akshatha.</u>
5.	1NH23EC012	Eashanvi	<u>Eashanvi</u>
6.	1NH23EC405	Jahvi	<u>Jahvi</u>
7.	1NH23EC018	Aspita K	<u>Aspita K</u>
8.	1NH23EC031	Bhoomika S K	<u>Bhoomika S K</u>
9.	1NH23EC016	Anusha N.V	<u>Anusha N.V</u>
10.	1NH23EC036	C Srija	<u>C Srija</u>
11.	1NH23EC050	Dhanireddy Kavya	<u>D. Kavya</u>
12.	1NH23EC028	B. Sasi chandana	<u>Sasichandana.</u>
13.	1NH23EC035	C. Hitha Arunrutha	<u>Hitha Arunrutha</u>
14.	1NH23EC013	Aranya shiva	<u>Aranya shiva</u>
15.	1NH23EC003	Aaron James	<u>Aaron James</u>
16.	1NH23EC049	Dev	<u>Dev</u>
17.	1NH23EC048	Deepesh. M	<u>Deepesh. M</u>
18.	1NH23EC001	A B Deepesh	<u>A B Deepesh</u>
19.	1NH24EC000	Darshan. G	<u>Darshan. G</u>
20.	1NH24EC001	Darshan. NB	<u>Darshan. NB</u>
21.	1NH23EC015	Anshul Tiwary	<u>Anshul</u>
22.	1NH23EC005	Dalshon bhosale Sh	<u>Dalshon bhosale Sh</u>
23.	1NH23EC056	Gagan Choudhary. D	<u>Gagan Choudhary. D</u>
24.	1NH23EC058	Shiva Shankar	<u>Shiva Shankar</u>
30.	1NH23EC029	Basavaraj A. L	<u>Basavaraj A. L</u>

25	Md. Farooq	1	
25	INH23EC034	Md. Farooq	Farooq
26	INH23EC052	Disha S	Disha S.
27	INH23EC072	J.B. Bhargya Sri	Bhargya Sri
28	INH23EC046	S. Suresh	S. Suresh
29	INH23EC069	Impana. M	Impana
30	INH23EC079	Kavana	Ku
31	INH23EC089	LeKhana	Le
32	INH23EC177	Vandana. H.S.	Vandana
33	INH23EC166	Tejaswini Badani	Tejaswini
34	INH23EC138	Sahana U	Sahana
35	INH23EC135	S Suchitha	Suchitha
36	INH23EC151	Shreya Ramesh	Shreya
37	INH23EC123	R. Devona Sherine	Devona
38	INH23EC127	Radha U Vallur	Radha
39	INH23EC153	Shreya. S	Shreya
40	INH23EC152	Shreya. S	Shreya
41	INH23EC100	Mithilesh. S	Mithilesh
42	INH23EC102	Mohammad Shwain	Mohammad
43	INH23EC122	Priyanshu Pandey	P.P.
44	INH23EC076	Kaivalya. N. Bondhe	Kaivalya
45	INH23EC070	I. L. Akshitha	Akshitha
46	INH23EC118	Pragathi S	Pragathi
47	INH23EC111	Parinith M.D	Parinith
48	INH23EC093	M. Sukes P. Kamath	M. Sukes
49	INH23EC071	Jagadeesh	Jagadeesh
50	INH23EC067	Harshab	Harshab
51	INH23EC061	Gokul K S	Gokul
52	INH23EC185	Yashraj. V. Murthy	Yashraj
53	INH23EC064	D. HARIPRIYA	D. Haripriya
54	INH23EC065	Hari Sanjay Nair	Hari
55	INH23EC156	Sinchen	Sinchen
56	INH23EC128	Rahul Varadharaj	Rahul
57	INH23EC126	Vaibhav. R	Vaibhav R
58	INH23EC144	Satish Naidu	Satish
59	INH23EC159	Somshelkar Agasen	Somshelkar
60	Satish		

int

60	INH23EC164	Sushant J	St J
61	INH24EC115	Sudeep.R	S
62	INH24EC408	Natasha	NA
63	INH24EC412	Shankar.S	Sh
64	INH23EC105	Nagendra.J	NA
65	INH23EC020	Arun B.S	Ar
66	INH23EC091	Lokesh	L
67	INH23EC096	Manushankar	M
68	INH23EC106	Naraneetha KD	N
69	INH23EC095	Ramya Pragathi	R
70	INH23EC097	Manya M	M
71	INH23EC115	Poojashree.K	P
72	INH23EC068	Harshika CR	H
73	INH23EC066	Harini Prabha P	H
74	INH23EC146	S.N.V. Devakanth Reddy	S
75	INH23EC130	Vikramaditya	V
76	INH23EC132	Adithiyaa	A
77	INH24EC404	Dinesh Kumar.N	D
78	INH24EC407	Keerthi Raj HS	K
79	INH24EC402	Darshan Raj BL	D
80	INH24EC406	Kalyankumar B.N	K
81	INH23EC059	Ganesh	G
82	INH23EC009	Akash M	A
83	INH24EC409	Rohan Kumar B.S	R
84	INH23EC047	Darshith P	D




Faculty Coordinator:

 11.09.26
HOD - ECE
Professor & Head ECE Dept
Dept of Electronics and Communication Engineering
New Horizon College of Engineering
Bengaluru -560103

Expert Lecture Feedback Form_Computer_vision (Responses)							
Form_Responses							
1	Timestamp	Expert Lec	How would you	Was the content of the lec	How clear and understand	Did the expert effectively	How likely are you to apply the knowledge ga
2	11/09/2026 12:48:21	5	Very Good	Highly relevant	Clear	Strongly agree	Very likely
3	11/09/2026 12:48:27	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
4	11/09/2026 12:48:31	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
5	11/09/2026 12:48:31	5	Very Good	Somewhat relevant	Clear	Agree	Likely
6	11/09/2026 12:48:36	3	Good	Somewhat relevant	Clear	Agree	Likely
7	11/09/2026 12:48:44	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
8	11/09/2026 12:48:47	5	Very Good	Highly relevant	Clear	Agree	Likely
9	11/09/2026 12:48:48	4	Very Good	Highly relevant	Clear	Agree	Likely
10	11/09/2026 12:48:54	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
11	11/09/2026 12:48:58	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
12	11/09/2026 12:48:59	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
13	11/09/2026 12:49:03	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
14	11/09/2026 12:49:03	4	Good	Neutral	Clear	Agree	Likely
15	11/09/2026 12:49:04	5	Very Good	Highly relevant	Very clear	Agree	Very likely
16	11/09/2026 12:49:07	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
17	11/09/2026 12:49:08	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
18	11/09/2026 12:49:10	5	Very Good	Highly relevant	Clear	Agree	Very likely
19	11/09/2026 12:49:11	3	Good	Somewhat relevant	Very clear	Agree	Likely
20	11/09/2026 12:49:13	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
21	11/09/2026 12:49:14	4	Good	Somewhat relevant	Very clear	Agree	Very likely
22	11/09/2026 12:49:14	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
23	11/09/2026 12:49:14	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
24	11/09/2026 12:49:14	5	Excellent	Highly relevant	Very clear	Agree	Very likely
25	11/09/2026 12:49:17	5	Very Good	Somewhat relevant	Clear	Agree	Likely
26	11/09/2026 12:49:21	4	Very Good	Somewhat relevant	Clear	Agree	Very likely
27	11/09/2026 12:49:24	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
28	11/09/2026 12:49:25	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
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30	11/09/2026 12:49:28	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
31	11/09/2026 12:49:30	4	Good	Neutral	Clear	Agree	Likely
32	11/09/2026 12:49:52	4	Very Good	Highly relevant	Very clear	Agree	Likely
33	11/09/2026 12:49:53	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
34	11/09/2026 12:49:55	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
35	11/09/2026 12:50:21	4	Good	Highly relevant	Very clear	Strongly agree	Likely
36	11/09/2026 12:50:29	4	Excellent	Highly relevant	Clear	Strongly agree	Very likely
37	11/09/2026 12:50:33	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
38	11/09/2026 12:50:45	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
39	11/09/2026 12:50:50	5	Excellent	Highly relevant	Very clear	Strongly disagree	Very likely
40	11/09/2026 12:50:53	5	Very Good	Somewhat relevant	Clear	Agree	Likely
41	11/09/2026 12:51:06	3	Good	Somewhat relevant	Clear	Agree	Likely

1	Timestamp	Expert Lecture	How would you	Was the content of the lec	How clear and understand	Did the expert effectively	How likely are you to apply the knowledge gai
42	11/09/2026 12:51:45	4	Very Good	Somewhat relevant	Clear	Agree	Likely
43	11/09/2026 12:51:54	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
44	11/09/2026 12:51:55	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
45	11/09/2026 12:52:02	5	Very Good	Somewhat relevant	Clear	Agree	Likely
46	11/09/2026 12:52:20	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
47	11/09/2026 12:52:31	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
48	11/09/2026 12:54:20	5	Very Good	Somewhat relevant	Clear	Agree	Likely
49	11/09/2026 12:54:29	4	Good	Somewhat relevant	Clear	Agree	Likely
50	11/09/2026 12:55:05	5	Very Good	Highly relevant	Clear	Agree	Likely
51	11/09/2026 12:55:07	5	Very Good	Somewhat relevant	Clear	Strongly agree	Likely
52	11/09/2026 12:57:07	4	Good	Highly relevant	Clear	Strongly agree	Likely
53	11/09/2026 12:59:07	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
54	11/09/2026 13:00:59	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely

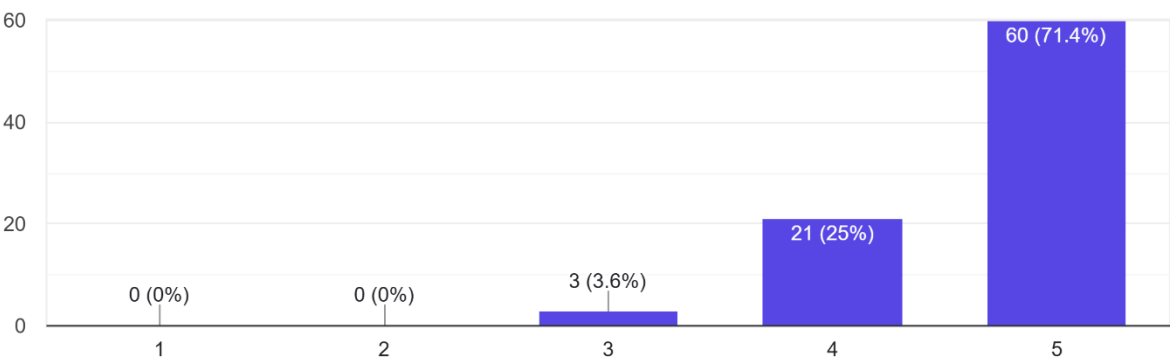
1	Timestamp	Expert Lecture	How would you	Was the content of the lec	How clear and understand	Did the expert effectively	How likely are you to apply the knowledge gai
55	11/09/2026 13:02:31	4	Very Good	Highly relevant	Clear	Agree	Likely
56	11/09/2026 13:02:41	4	Very Good	Highly relevant	Clear	Agree	Likely
57	11/09/2026 13:03:37	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
58	11/09/2026 13:03:47	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
59	11/09/2026 13:04:13	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
60	11/09/2026 13:04:14	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
61	11/09/2026 13:06:13	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
62	11/09/2026 13:07:38	4	Very Good	Highly relevant	Very clear	Strongly agree	Very likely
63	11/09/2026 13:09:48	4	Good	Neutral	Somewhat unclear	Agree	Likely
64	11/09/2026 13:10:10	5	Excellent	Highly relevant	Clear	Agree	Very likely
65	11/09/2026 13:15:03	4	Very Good	Highly relevant	Very clear	Agree	Likely
66	11/09/2026 13:15:21	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
67	11/09/2026 13:15:55	5	Excellent	Highly relevant	Very clear	Agree	Very likely

1	Timestamp	Expert Lecture	How would you	Was the content of the lec	How clear and understand	Did the expert effectively	How likely are you to apply the knowledge gai
68	11/09/2026 13:16:03	5	Very Good	Highly relevant	Very clear	Strongly agree	Likely
69	11/09/2026 13:22:50	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
70	11/09/2026 13:23:07	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
71	11/09/2026 13:23:10	5	Very Good	Highly relevant	Clear	Agree	Likely
72	11/09/2026 13:24:34	5	Excellent	Highly relevant	Very clear	Agree	Very likely
73	11/09/2026 13:25:10	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
74	11/09/2026 13:25:25	5	Very Good	Highly relevant	Very clear	Strongly agree	Very likely
75	11/09/2026 13:29:52	4	Good	Neutral	Clear	Agree	Likely
76	11/09/2026 13:30:11	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
77	11/09/2026 13:30:29	4	Good	Neutral	Clear	Agree	Likely
78	11/09/2026 13:30:31	4	Very Good	Neutral	Very clear	Agree	Likely
79	11/09/2026 13:30:35	4	Very Good	Somewhat relevant	Clear	Agree	Likely
80	11/09/2026 13:31:11	4	Good	Somewhat relevant	Clear	Agree	Likely

1	Timestamp	Expert Lecture	How would you	Was the content of the lec	How clear and understand	Did the expert effectively	How likely are you to apply the knowledge gai
81	11/09/2026 13:32:46	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
82	11/09/2026 13:36:46	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
83	11/09/2026 13:38:01	5	Good	Neutral	Clear	Agree	Unlikely
84	11/09/2026 13:40:31	5	Excellent	Highly relevant	Very clear	Strongly agree	Very likely
85	11/09/2026 13:41:59	5	Average	Highly relevant	Clear	Agree	Likely

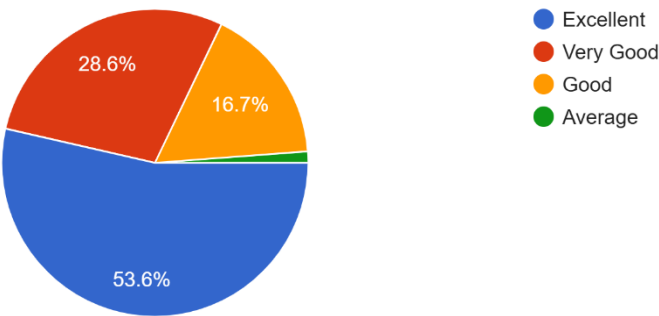
Expert Lecture Ratings Out of 5

84 responses



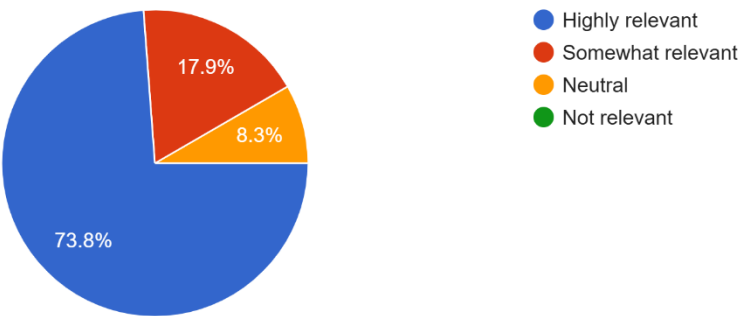
How would you rate the overall quality of the expert lecture session?

84 responses



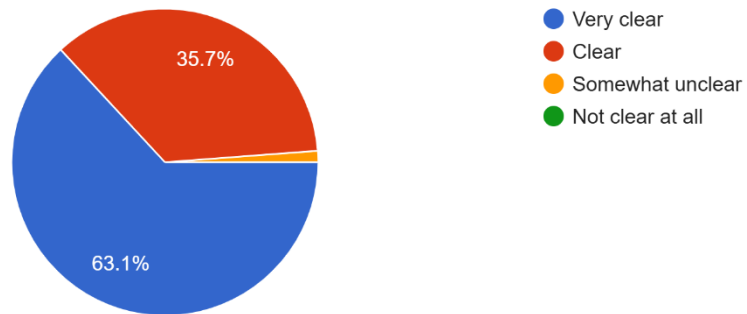
Was the content of the lecture relevant to your interests or field of study?

84 responses



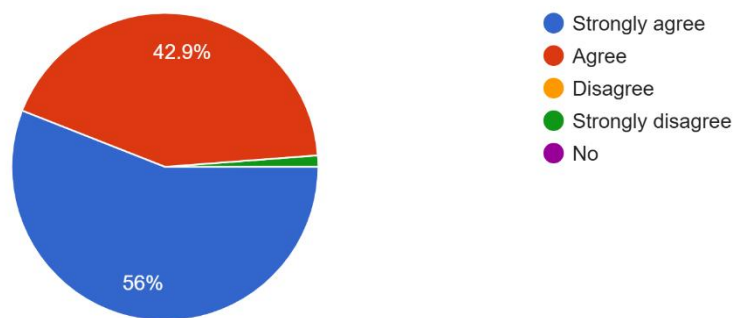
How clear and understandable was the expert's presentation?

84 responses



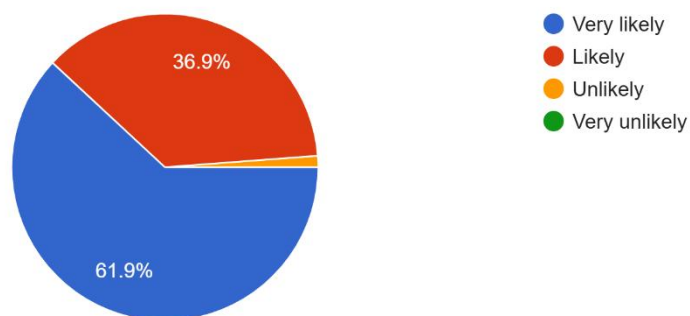
Did the expert effectively engage the audience during the session?

84 responses



How likely are you to apply the knowledge gained from this lecture in your work or studies?

84 responses



Faculty Coordinator

HOD-ECE

