



<b>Name of the Event</b>	<b>Expert lecture</b>
<b>Date</b>	03-10-2024
<b>Beneficiary</b>	V SEMESTER STUDENTS
<b>Faculty Coordinator</b>	Dr. M. Jayanthi and Dr. P.Sudhakaran
<b>Write up</b>	<p>Title: "Advanced CMOS VLSI Design Techniques: From Fundamentals to Cutting-Edge Innovations"</p> <p>The Department of Electronics and Communication Engineering organized an expert lecture on the topic "Advanced CMOS VLSI Design Techniques: From Fundamentals to Cutting-Edge Innovations". The session provided valuable insights into CMOS VLSI design techniques, covering both fundamental concepts and advanced methodologies. The focus was on low-power design strategies, device scaling, and modern CMOS innovations such as FinFETs and SOI technology. The lecture was aimed at equipping participants with practical knowledge to address challenges in designing high-performance VLSI systems. The session concluded with an interactive Q&amp;A segment, where participants actively engaged in discussions with the speaker. Around 73 students attended the session. It was conducted for v semester students.</p>

DEPARTMENT OF ELECTRONICS & COMMUNICATION

**Expert Lecture**

Course & Code: CMOS VLSI Design (22ECE53)

**Advanced CMOS VLSI Design Techniques**  
(From Fundamentals to Cutting-Edge Innovations)



**Sameer Kirve**

Principal Memory Layout Engineer,  
Laksh Semiconductor

 3-10-2024

 5<sup>th</sup> Semester (ECE)

 11:00 AM to 1:00 PM

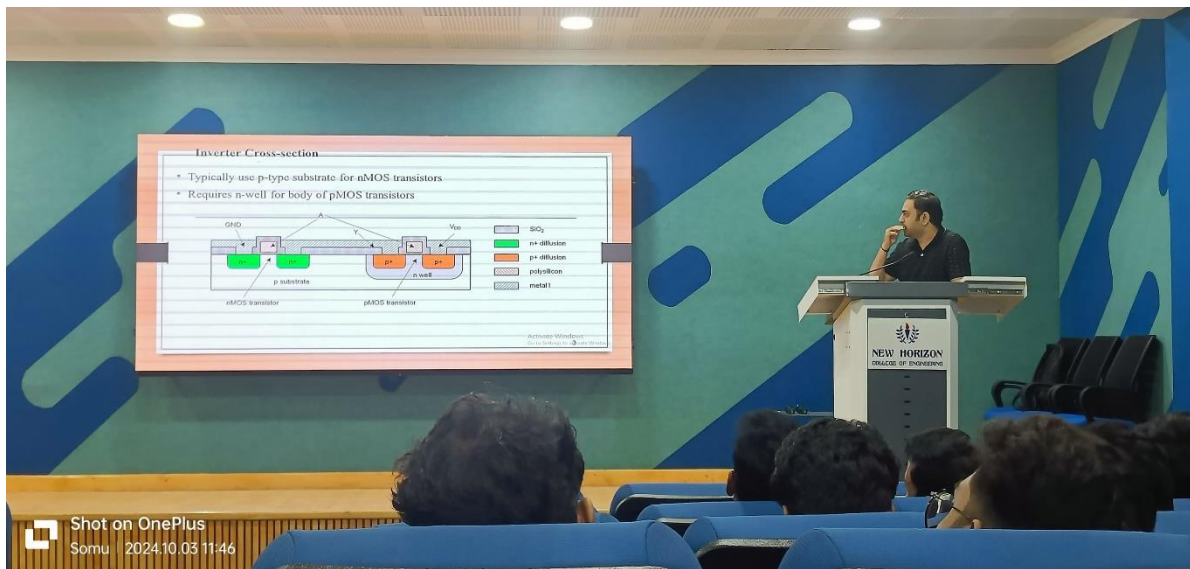
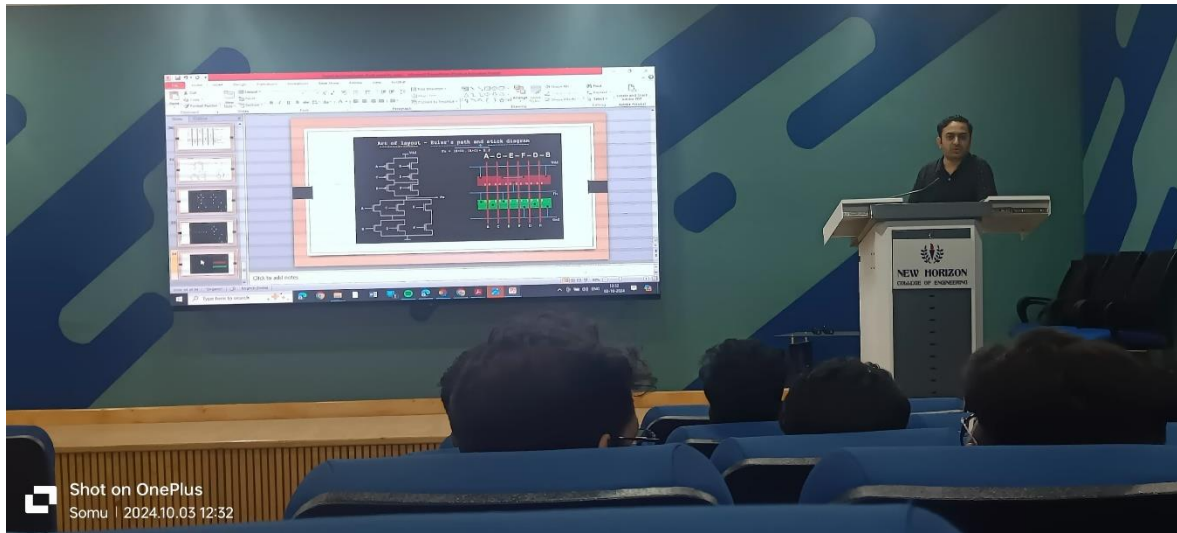
 Tejas Seminar Hall

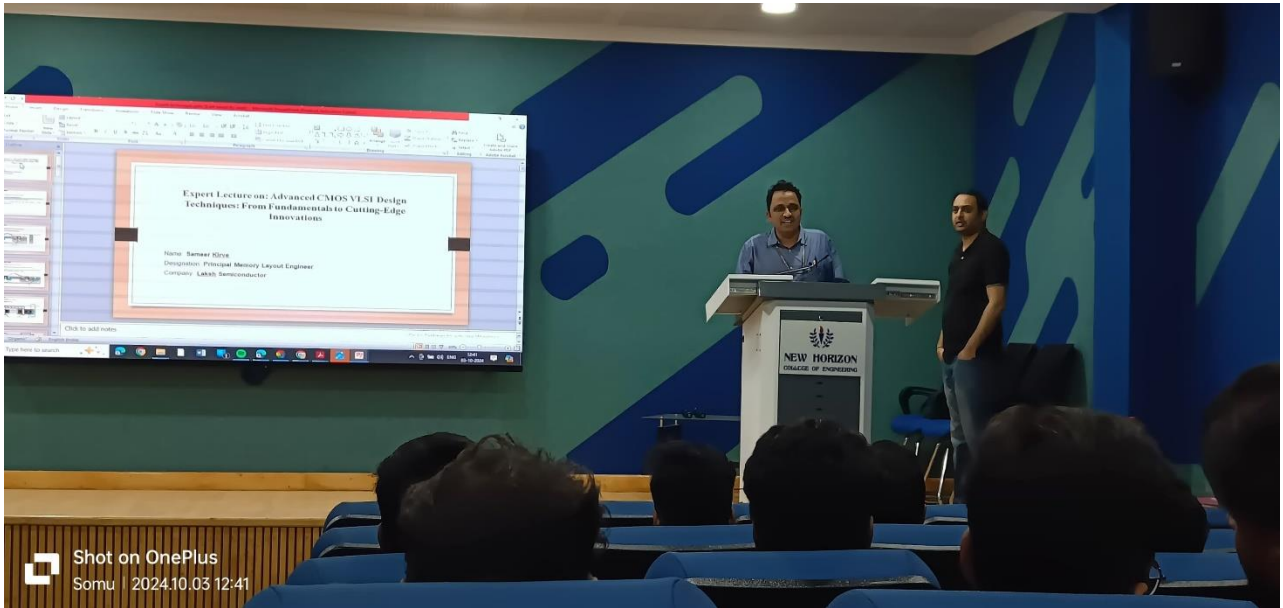
Faculty Coordinators:

**Dr. Jayanthi M**  
**Dr. Sudhakiran P**

Convenor:

**Dr. Aravinda K**  
Professor & HoD-ECE









## Attendance



# NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC  
Accredited by NAAC with 'A' Grade, Accredited by NBA

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Expert Lecture on: Advanced CMOS VLSI Design Techniques: From  
Fundamentals to Cutting-Edge Innovation Attendance sheet

s.no	USN	Name of the student	Name of the Section	Signature of student
1	INH22EC019	Anubhava Reddy	A	Anubhava Reddy
2	INH22EC032	Kanishk Y. Patil	C	Kanishk Y. Patil
3	INH22EC047	Sarath Kavya Das	C	Sarath Kavya Das
4	INH22EC143	Chaitanya C. Nair	C	Chaitanya C. Nair
5	INH22EC140	Pellu Krishna	C	Pellu Krishna
6	INH22EC041	Shree Varis	C	Shree Varis
7	INH22EC175	Vaibha Sharma	C	Vaibha Sharma
8	INH22EC170	Tharun R.	C	Tharun R.
9	INH22EC122	R. Lakshman	C	R. Lakshman
10	INH22EC122	Hanumanth	C	Hanumanth
11	INH22EC127	V. Malavika	C	V. Malavika
12	INH22EC126	Vaibha Eddur	C	Vaibha Eddur
13	INH22EC151	Shree S. J.	C	Shree S. J.
14	INH22EC154	Sindhu S.	C	Sindhu S.
15	INH22EC006	Aravind Arul	A	Aravind Arul
16	INH22EC009	AKSHAYAPRIN-S	A	AKSHAYAPRIN-S
17	INH22EC036	Chaitanya S. Reddy	A	Chaitanya S. Reddy
18	INH22EC027	Prithika . P. J.	A	Prithika . P. J.
19	INH22EC104	Chandana M. J.	A	Chandana M. J.
20	INH22EC016	Amulya K.	A	Amulya K.
21	INH22EC028	Shreya H. K.	A	Shreya H. K.
22	INH22EC035	Lakshya K. S.	A	Lakshya K. S.
23	INH22EC032	Arushi K.	A	Arushi K.
24	INH22EC001	Dorshan Gowda B.	A	Dorshan Gowda B.
25	INH22EC003	Ashwin K. L. G.	A	Ashwin K. L. G.
26	INH22EC056	Harishai Nithi S.	A	Harishai Nithi S.
27	INH22EC020	B. Ramarathnam	A	B. Ramarathnam
28	INH22EC051	G. Vishnuvardhan Reddy	A	G. Vishnuvardhan Reddy
29	INH22EC142	S. Srinivas V.	C	S. Srinivas V.
30	INH22EC139	P. Sankar Kumar Reddy	C	P. Sankar Kumar Reddy
31	INH22EC120	V. V. Sri Kiran Reddy	C	V. V. Sri Kiran Reddy
32	INH22EC057	Sai Krishna	C	Sai Krishna
33	INH22EC101	Pranav K.	C	Pranav K.
34	INH22EC043	Vaibha M. J.	C	Vaibha M. J.
35	INH22EC047	Vaibha G. D.	C	Vaibha G. D.
36	INH22EC133	Shravan P.	C	Shravan P.
37	INH22EC129	R. Anitha. K.	C	R. Anitha. K.
38	INH22EC145	Sriya N. S.	C	Sriya N. S.
39	INH22EC136	Yedda Lakshmi	C	Yedda Lakshmi
40	INH22EC160	Sriya A.	C	Sriya A.







# Feedback

FEEDBACK RESPONSE Expert Lecture on\_ Advanced CMOS VLSI Design Techniques\_ From Fundamentals to Cutting-Edge Innovation (Responses) - Excel

File Home Insert Page Layout Formulas Data Review View Help Table Design

Clipboard Font Alignment Number Styles Cells Editing Add-ins

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Timestamp	NAME	USN	SECTION	Overall, (	Did the lect	Were you satis	Did the lectur	Did the lect	Were you	What were your key takeaways from the lecture?			
2	10-3-2024 12:00:02	C. HARSHINI	1NH22EC031	A	5	YES	YES	YES	YES	YES	VLSI is a big domain			
3	10-3-2024 12:00:24	S.HARISH	1NH22EC059	A	5	YES	YES	YES	YES	YES	I learnt and I got many information			
4	10-3-2024 12:00:29	Rohan Kumar Singh	1NH22EC135	C	5	YES	YES	YES	YES	YES	CMOS VLSI			
5	10-3-2024 12:00:47	Sanjana Shaji Nair	1NH22EC146	C	5	YES	YES	YES	YES	YES	Understandable class			
6	10-3-2024 12:01:04	Sharanya K	1NH22EC149	C	4	YES	YES	YES	YES	YES	informative perspective on CMOS VLSI			
7	10-3-2024 12:01:08	Rohit	1NH22EC137	C	5	YES	YES	YES	YES	YES	.			
8	10-3-2024 12:02:43	Sakshi Mutin	1NH22EC143	C	5	YES	YES	YES	YES	YES	Good knowledge about VLSI industry			
9	10-3-2024 12:03:26	Bommireddy Ramanath	1NH22EC030	A	4	YES	YES	YES	YES	YES	The key takeaways are the way of teaching and simple way of explaining			
10	10-3-2024 12:03:37	Hari Sai Nikhil S	1NH22EC056	A	5	YES	YES	YES	YES	YES	The lecture effectively covered the latest advancements in the CMOS VLSI design.			
11	10-3-2024 12:03:45	Shashank M Gundad	1NH22EC151	C	5	YES	YES	YES	YES	YES	Industry applications			
12	10-3-2024 12:06:25	Rohit	1NH22EC138	C	3	YES	YES	YES	YES	YES	Good			
13	10-3-2024 12:13:10	G.vishnu vardhan redc	1NH22EC052	A	5	YES	YES	YES	YES	YES	The lecture connects the material to real-world applications.			
14	10-3-2024 12:32:29	Chandan V	1NH22EC403	A	5	YES	YES	YES	YES	YES	Instal smart board in tejas			
15	10-3-2024 12:33:14	Ganesh hegde	1NH22EC049	A	5	YES	YES	YES	YES	YES	Learning something new on vlsi			
16	10-3-2024 12:33:25	Abhishek L G	1NH22EC003	A	5	YES	YES	YES	YES	YES	..			
17	10-3-2024 12:34:23	Darshan p	1NH22EC405	A	4	YES	YES	YES	YES	YES	Basic things which happens in cmos industries			
18	10-3-2024 12:35:32	Darshan Gowda P S	1NH22EC041	A	4	YES	YES	YES	YES	YES	.			
19	10-3-2024 12:37:48	V. S N Mahendra Redd	1NH22EC180	C	5	YES	YES	YES	YES	YES	It is usefull information for my studies			
20	10-3-2024 12:39:58	ALTHAF H	1NH22EC011	A	5	YES	YES	YES	YES	YES	Learned lot about cmos vlsi design			
21	10-3-2024 12:40:55	Sindhu S	1NH22EC156	C	5	YES	YES	YES	YES	YES	About the CMOS technology advancement			
22	10-3-2024 12:41:37	Yeruva Venkata Sasi H	1NH22EC188	5C	4	YES	YES	YES	YES	YES	How cmos works in real world			
23	10-3-2024 12:42:10	Agnes Arul	1NH22EC006	A	5	YES	YES	YES	YES	YES	Helpful and Very informative about CMOS VLSI			
24	10-3-2024 12:42:20	Vishwacheetan kittali	1NH22EC182	C	3	YES	NO	NO	NO	YES	Actually most of the things are too high level to understand. The main thing is we have attended only single lab			

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21	10-3-2024 12:40:55	Sindhu S	1NH22EC156	C	5	YES	YES	YES	YES	YES	About the CMOS technology advancement			
22	10-3-2024 12:41:37	Yeruva Venkata Sasi	1NH22EC188	5C	4	YES	YES	YES	YES	YES	How cmos works in real world			
23	10-3-2024 12:42:10	Agnes Arul	1NH22EC006	A	5	YES	YES	YES	YES	YES	Helpful and Very informative about CMOS VLSI			
24	10-3-2024 12:42:20	Vishwachetan kittali	1NH22EC182	C	3	YES	NO	NO	NO	YES	Actually most of the things are too high level to understand. The main thing is we have attended only single lab,			
25	10-3-2024 12:43:06	DIMPU ABHIRAM A S	1NH22EC406	A	4	YES	YES	YES	YES	YES	It was useful			
26	10-3-2024 12:43:11	DRUVA S	1NH22EC047	A	5	NO	NO	NO	NO	YES	Got to know some basics of cmos			
27	10-3-2024 12:43:15	Darshan M	1NH22EC042	A	4	YES	YES	YES	YES	YES	Get to know about some Cmos concept			
28	10-3-2024 12:43:20	AKSHAYAASRI S	1NH22EC009	A	5	YES	YES	YES	YES	YES	Cmos and vlsi design techniques, latest advancements, future scopes			
29	10-3-2024 12:43:24	Raghavendra H	1NH22EC411	A	5	YES	YES	YES	YES	YES	Detailed process of fabrication			
30	10-3-2024 12:43:37	Charanya S Reddy	1NH22EC036	A	3	YES	YES	YES	YES	YES	CMOS concepts, stick diagram and layouts			
31	10-3-2024 12:43:46	Haripriya K	1NH22EC058	A	4	YES	YES	YES	YES	YES	NA			
32	10-3-2024 12:43:54	Manoj k s	1NH22EC409	A	4	YES	YES	YES	YES	YES	It was useful			
33	10-3-2024 12:44:13	C S Yashwanth Kumar	1NH22EC032	A	5	YES	YES	YES	YES	YES	Good information about cmos vlsi ,pmos nmos eulers sudha			
34	10-3-2024 12:44:20	Haripriya K	1NH22EC058	A	4	YES	YES	YES	YES	YES	NA			
35	10-3-2024 12:44:26	Vasanth Kumar D P	1NH22EC179	C	5	YES	YES	YES	YES	YES	Latch up, ERC,DRC, LVS, Antenna effect, Electromigration, Physical design, Euler's path			
36	10-3-2024 12:44:27	Vivekananda G C	1NH22EC184	C	5	YES	YES	YES	YES	YES	Overall a good information regarding pmos, know, Eulers and schematic & layout			
37	10-3-2024 12:44:28	Shravan kumar gogi	1NH22EC152	C	5	YES	YES	YES	YES	YES	Cmos concept, ERC, DRC, LVS, Antenna effect, Electromigration, Physical Design			
38	10-3-2024 12:48:08	ABUZAR YASEEN	1NH22EC004	A	5	YES	YES	YES	YES	YES	It was a good and interacting session			
39	10-3-2024 12:49:16	Ravikiran G E	1NH22EC130	C	5	YES	YES	YES	YES	YES	About advanced CMOS vlsi			
40	10-3-2024 12:50:22	Sanchita Nlag	1NH22EC144	C	5	YES	YES	YES	YES	YES	It was very helpful.			
41	10-3-2024 13:19:42	S Srinwathsav	1NH22EC142	5C	5	YES	YES	YES	YES	YES	Euler Path			

Faculty Coordinator

HOD-ECE