	NEW HORIZON COLLEGE OF ENGINEERING **Guest Lecture – "Inside the Board: The Engineering Behind PCB Design"**
Department	Electronics and Communication Engineering
Name of the Event	Guest Lecture
Beneficiary	3rd Semester Students
Date & Venue	13-11-2026 MBA Seminar, NHCE
Faculty Coordinator	Mr. VINAY R
Topic Name	Guest lecture – " Inside the Board: The Engineering Behind PCB Design"
Brief report about the Technical Talk	Department of Electronics and communication Engineering conducted a Guest lecture on "Inside the Board: The Engineering Behind PCB Design", on 13th November 2026. The speaker was Mr. R Rajatha, Product Design and Development Engineer, Aariv Technologies, Bengaluru, India. He focused on importance of understanding the importance of PCB design with the current trend in industry. A printed circuit board begins as a schematic, a logical map of how components such as resistors, capacitors, microcontrollers, and connectors relate to one another. Engineers use EDA (electronic design automation) tools like KiCad, Altium Designer, or Cadence Allegro to turn that schematic into a physical layout. The board itself is a laminate of fiberglass (typically FR-4) and copper layers, and designers choose a stack-up of two, four, or even thirty-plus layers depending on complexity. Component placement is the first major decision: it affects signal paths, heat distribution, and manufacturability. Routing then connects the parts with copper traces, and vias carry signals between layers. Trace width must be matched to the current it carries, while spacing rules prevent short circuits and crosstalk.101 students attended the session. It was conducted for Third semester students.

NEW HORIZON
COLLEGE OF ENGINEERING

IEEE NHCE STUDENT BRANCH | CAS IEEE CIRCUITS AND SYSTEMS SOCIETY NHCE STUDENT BRANCH CHAPTER | IEEE Sensors Council NHCE STUDENT BRANCH CHAPTER

Guest Lecture

Inside the Board: The Engineering Behind PCB Design

13th November 2026

09:30 AM - 11:30 AM

MBA Seminar, NHCE

3rd Semester Students



Mr. R Rajatha
Product Design and Development Engineer
Aariv Technologies

Convenor
Dr. Manju Devi
Professor and HoD

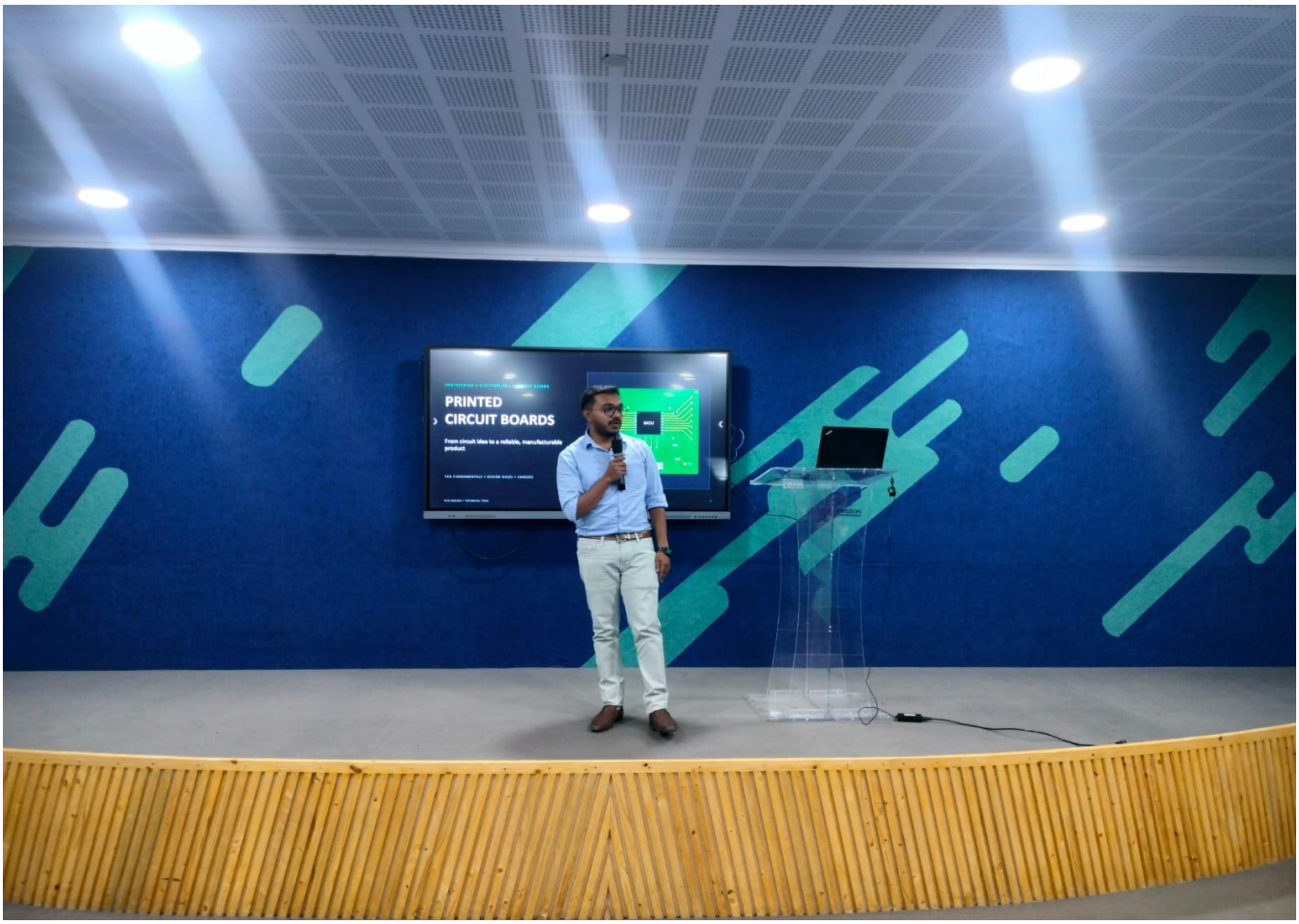
Faculty Coordinator
Prof. Vinay R
SAP

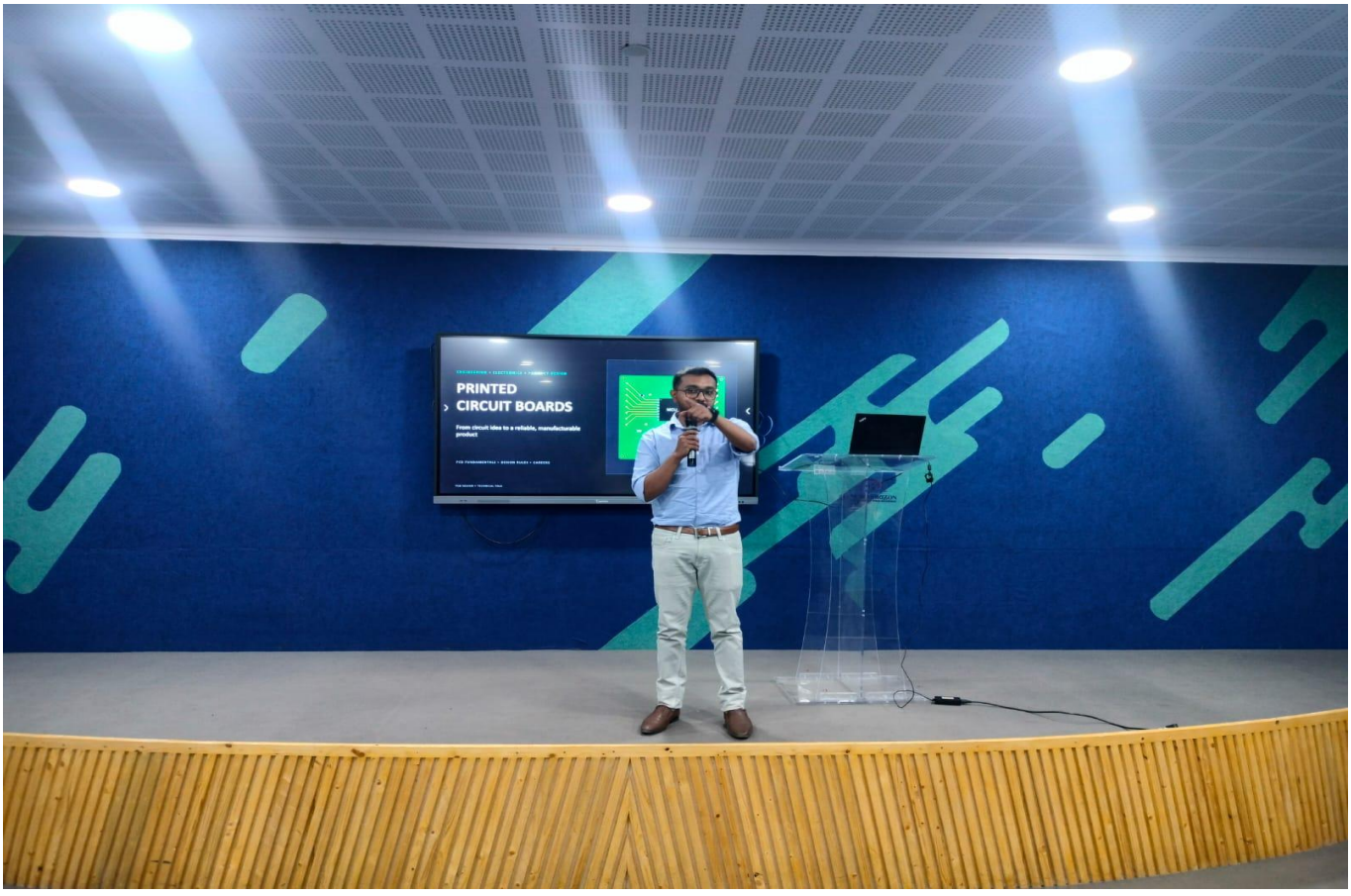
Dr. R J Anandhi
Vice Principal - Academics

Dr. Manjunatha
Principal

Organised by
Department of Electronics and Communication Engineering

SNAPSHOTS:


PRINTED
CIRCUIT BOARDS
From circuit idea to a reliable, manufacturable product


PRINTED
CIRCUIT BOARDS
From circuit idea to a reliable, manufacturable product



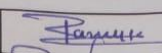
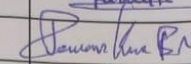
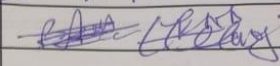


FACULTY CORDINATOR **HOD**

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
III B Students List
Guest Lecture Attendance

Date: 13-11-2026

SL NO.	USN	STUDENT NAME	SIGNATURE
1	1NH25EC002-T	PRAKYATH GOWDA SACHIN	Prakyath Gowda. S
2	1NH25EC005-T	KATIKA BHARGAV	—
3	1NH25EC007-T	RAKSHITA B	Rakshita . B
4	1NH25EC010-T	PASUPULETI MOHAN KRISHNA	
5	1NH25EC011-T	P ARJUN	
6	1NH25EC013-T	OJAL S ASTIKAR	
7	1NH25EC015-T	LOPIKA S	
8	1NH25EC019-T	PITTU YASWANTH KUMAR REDDY	
9	1NH25EC026-T	KOUSTUBH	—
10	1NH25EC028-T	R RATHAN NISHAL	
11	1NH25EC038-T	KUDUM VENKAT SAI KRITHIK	—
12	1NH25EC040-T	PALUGULLA PARTHAV REDDY	
13	1NH25EC045-T	KOLLATHUR NIKHIL REDDY	—
14	1NH25EC046-T	KATHIRVEL B	—
15	1NH25EC048-T	NIMMAKAYALA SUSHANTH REDDY	
16	1NH25EC050-T	PRATUL NAVIN RAMAKRISHNAN VIJAIYASHANKAR	—
17	1NH25EC059-T	PRANAY GIRI	
18	1NH25EC061-T	NUTHAKI SAI SANDEEP	—
19	1NH25EC062-T	PRANITA S	
20	1NH25EC064-T	JUTUR NIVEDHA	—
21	1NH25EC067-T	NAVANEETH KRISHNAN P	
22	1NH25EC072-T	MOHAMMED ABDUR RAHMAN	—
23	1NH25EC074-T	KRUTHNESH J G	—
24	1NH25EC080-T	MEHAR SINHA	Mehar Sinha
25	1NH25EC082-T	MAAHIK RANJAN	
26	1NH25EC501-T	PRATEIK E	Prateik E
27	1NH25EC502-T	LOKNATH KUMAR C	

29	1NH25EC508-T	RAMU	
30	1NH25EC510-T	PAVAN KUMAR B M	
31	1NH25EC511-T	M AKASH MANOJ	
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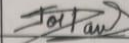
33	1NH25EC513-T	JOE PAUL FRANCIS	
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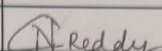
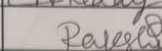
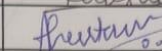
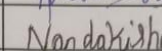
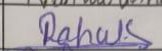
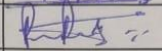
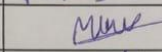
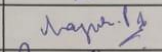
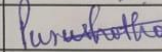
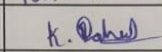
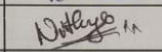
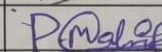
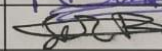
36	1NH25EC521-T	NANDITA REDDY	
37	1NH25EC525-T	RAKSHITHA K	
38	1NH25EC527-T	KEERTANA AMALAPURAPU	
39	1NH25EC529-T	NANDAKISHORE G	
40	1NH25EC540-T	RAHUL G	
41	1NH25EC541-T	PREM PATIL	
42	1NH25EC542-T	MANOJ N	
43	1NH25EC543-T	MAYUR PRAKASH KHATAVKAR	
44	1NH25EC551-T	PURUSHOTHAM N	
45	1NH25EC553-T	K RAHUL	
46	1NH25EC554-T	NITHYA SHRI A T	
47	1NH25EC556-T	PALIVELA MOHITH	
48	1NH25EC560-T	JAHNAVI REDDY K	
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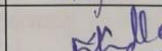
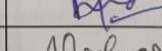
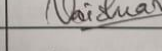
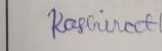
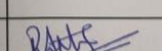
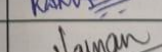
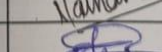
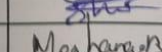
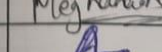
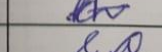
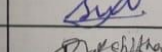
50	1NH25EC562-T	PRAJWAL DANYAL	
51	1NH25EC565-T	MALLIKARJUN KOTRESH MEDLERI	
52	1NH25EC568-T	PARASA SURYA VAISHNAVI	
53	1NH25EC573-T	KASHINATH BASAVARAJ GOLAPPANAVAR	
54	1NH25EC580-T	RAVINAYAN B R	
55	1NH25EC700-T	NAMAN MALGOTRA	
56	1NH26EC801-T	Shravani RN	
57	1NH26EC802-T	Meghana. R	
58	1NH26EC803-T	Anusha. S	
59	1NH26EC806-T	Sowjanya. S	
60	1NH26EC813-T	Rakshitha SR	
61	1NH26EC817-T	Rithik	

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
III C Studnets List
Guest Lecture Attendance

Date: 13-11-2026

SL NO.	USN	STUDENT NAME	SIGNATURE
1	1NH25EC003-T	SARTHAK VERMA	
2	1NH25EC004-T	TEJAS N SWAMY	
3	1NH25EC006-T	VAKADA BALAJI ADITYA VARUN	
4	1NH25EC012-T	SREEJAY REDDY K	
5	1NH25EC014-T	SHAUN E JIJO	
6	1NH25EC016-T	SURE CHEKRIKA	
7	1NH25EC020-T	SHRAVYA R	
8	1NH25EC021-T	SHARATH KUMAR S	
9	1NH25EC024-T	YASHWANTH KUMAR B R	
10	1NH25EC025-T	YASHWANTH A R	
11	1NH25EC027-T	S A HARSHAVARDHAN	
12	1NH25EC029-T	T ADITYA RAM	
13	1NH25EC032-T	RUCHITHA RAMYA SRI U	
14	1NH25EC033-T	THAKKELLAPATI CHANDRANSHU	
15	1NH25EC034-T	VIVEK GOTUR	
16	1NH25EC036-T	SAMARTH R VASISHTA	
17	1NH25EC037-T	V ARJUN	
18	1NH25EC043-T	SHUBHAM PRIYADARSI	
19	1NH25EC049-T	TEJAS B G	
20	1NH25EC051-T	SUBIKSHA V	
21	1NH25EC054-T	SRISATYA HARIPRIYA GARIMELLA	
22	1NH25EC058-T	SHARABU MOHANA SRESHTA	
23	1NH25EC065-T	V BHUVAN RAHUL	
24	1NH25EC068-T	S L SAHITHYA	
25	1NH25EC081-T	SIDDHANT JAYESH GOLATKAR	
26	1NH25EC085-T	YOSHITA J	
27	1NH25EC090-T	RIJUL GUPTA	
28	1NH25EC500-T	VEDITHA R	
29	1NH25EC505-T	SHREYA REDDY	

30	1NH25EC506-T	SWATI	Swati
31	1NH25EC509-T	SRUJAN B R	Srujan. B.R
32	1NH25EC523-T	SAHITHYA V	Sahithya.V
33	1NH25EC526-T	YASHWANTH G P	Yashwanth G P
34	1NH25EC528-T	SAI GOKUL G	
35	1NH25EC530-T	SHREYA HANAMANT ITTAPPAGOL	S.H.I
36	1NH25EC531-T	THUSHAR N GANGER	Thushar
37	1NH25EC533-T	YUVARANI J	Yuvarani
38	1NH25EC536-T	THILAK C V	Thilak
39	1NH25EC538-T	YASHWANTH D S	Yashwanth D.S
40	1NH25EC539-T	SUCHARITHA R	Sucharitha R
41	1NH25EC545-T	SANTOSHI SANDEEP VERNEKAR	Santoshi
42	1NH25EC547-T	YASHAS S SAJJAN	Yashas Sajjan
43	1NH25EC552-T	SYED MOIN	—
44	1NH25EC555-T	SAGAR DODAMANI	—
45	1NH25EC557-T	SRUSTI N	Srusti
46	1NH25EC559-T	YADUNANDAN L V	—
47	1NH25EC563-T	SPOORTI SAVADATTI	
48	1NH25EC564-T	TAIBA GAFOOR KHAN	Taiba
49	1NH25EC566-T	SHIVKUMAR	—
50	1NH25EC567-T	SHREYAS SAJJAN	
51	1NH25EC569-T	SUSHANTH M	Sushanth
52	1NH25EC570-T	SURYA SUBIN SHANKAR	
53	1NH25EC571-T	VINAYAK HAMPIMATH	Vinayak
54	1NH25EC574-T	SAI VISWAS S	
55	1NH25EC575-T	VIVEK	
56	1NH25EC577-T	SRINIVAS N	Srinivas.N
57	1NH26EC807-T	SHASHANK. S. GOUDRU	
58	1NH25EC071-T	Nagaa NagaSudheer. R	Nagaa
59	1NH26EC809-T	Theerthan Krishna K	Theerthan Krishna
60	1NH26EC815-T	Umesh.M	
61	1NH26EC805-T	VISMITA S. PATIL	Patil
62			