NEW HORIZON COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

"One-Day Workshop on Embedded Systems: Design, Development and Practical Applications"

Date	: 23-10-2026
Duration	: 10.00 AM- 12.30 PM & 1:30 PM to 4:00 PM
Workshop topic	: **One-Day Workshop on Embedded Systems: Design, Development and Practical Applications**
Number of Participants	: 69
Resource person	: Mr. Pramath Hegde, VLSI Engineer, Pantech Solutions India Pvt Ltd, Bengaluru.

Introduction

The workshop on "One-Day Workshop on Embedded Systems: Design, Development and Practical Applications" was organized by the department of ECE, and IEEE student Chapter, NHCE, was conducted to provide participants with a comprehensive understanding of embedded systems, a core area of modern electronics and computing. Embedded systems are dedicated computing systems built into devices and products, ranging from household appliances to automotive, medical and industrial equipment, and they must operate reliably within defined constraints. The workshop aimed to equip attendees with the knowledge and skills to design, develop and test embedded solutions effectively.

Objectives

i) To understand the fundamentals and architecture of embedded systems.
ii) To learn the importance of embedded systems in modern electronics and engineering applications.
iii) To explore the microcontrollers, development tools and programming techniques used in embedded design.
iv) To gain hands-on experience in developing and testing simple embedded applications.
v) To understand practical applications of embedded systems across various domains.

Workshop Overview

The workshop was divided into several topics, each focusing on different aspects of embedded systems. The workshop included lectures, demonstrations, and hands-on exercises. The key topics covered were:

1 Introduction to Embedded Systems
2 Embedded System Design and Architecture
3 Microcontrollers, Sensors and Interfacing
4 Embedded Programming and Development Tools
5 Hands-on Session
6 Practical Applications and Case Studies

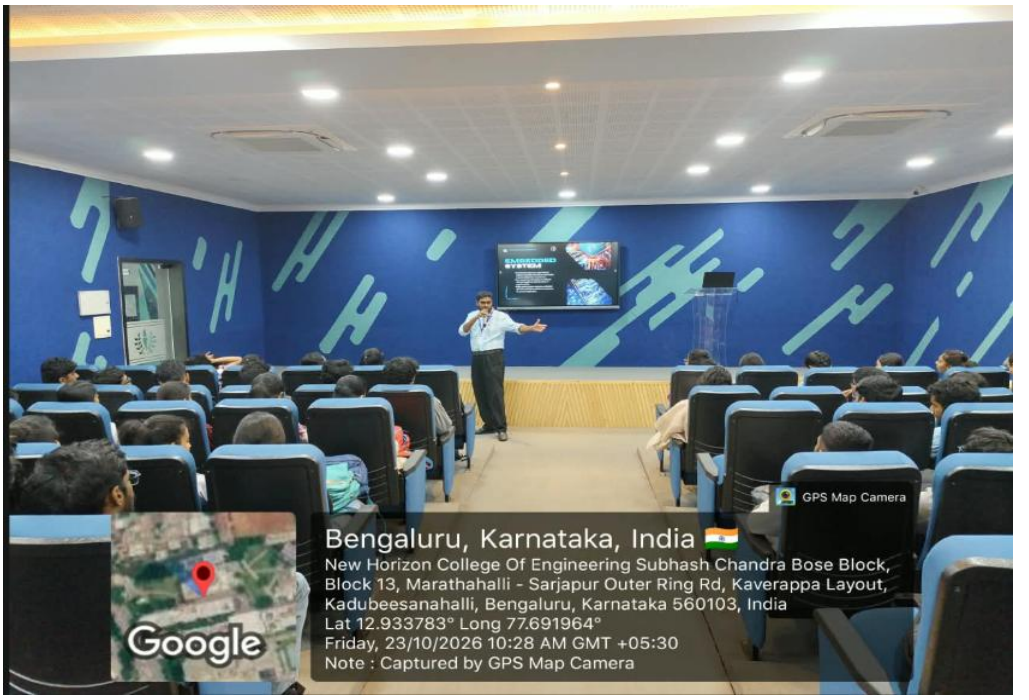
Outcomes

The workshop successfully achieved its objectives. Participants gained:

i) A solid understanding of the fundamentals and design process of embedded systems.
ii) Practical experience with microcontrollers, interfacing and embedded programming techniques.
iii) The ability to develop and test a basic embedded application.
iv) Knowledge of practical applications of embedded systems and current industry trends.

Conclusion

The "One-Day Workshop on Embedded Systems: Design, Development and Practical Applications" was a valuable learning experience for all attendees. It provided a strong foundation in embedded systems and prepared participants to apply these skills in their academic projects and future engineering careers. The workshop's success highlighted the importance of continuous learning and hands-on practice in the ever-evolving field of embedded systems.





FACULTY CORDINATOR HOD-ECE

MS Baby Chithra R

MTT-S
IEEE MICROWAVE THEORY & TECHNOLOGY SOCIETY
NHCE STUDENT BRANCH CHAPTER

NEW HORIZON
COLLEGE OF ENGINEERING
25 YEARS OF GLOBAL LEARNING

IEEE NHCE
STUDENT BRANCH

One-Day Workshop

Embedded Systems: Design, Development and Practical Applications

23rd October 2026

10:00 AM - 12:30 PM
01:30 PM - 04:00 PM

MBA Seminar Hall

3rd Semester Students



Mr. Pramath Hegde
VLSI Engineer
Pantech Solutions India Pvt Ltd

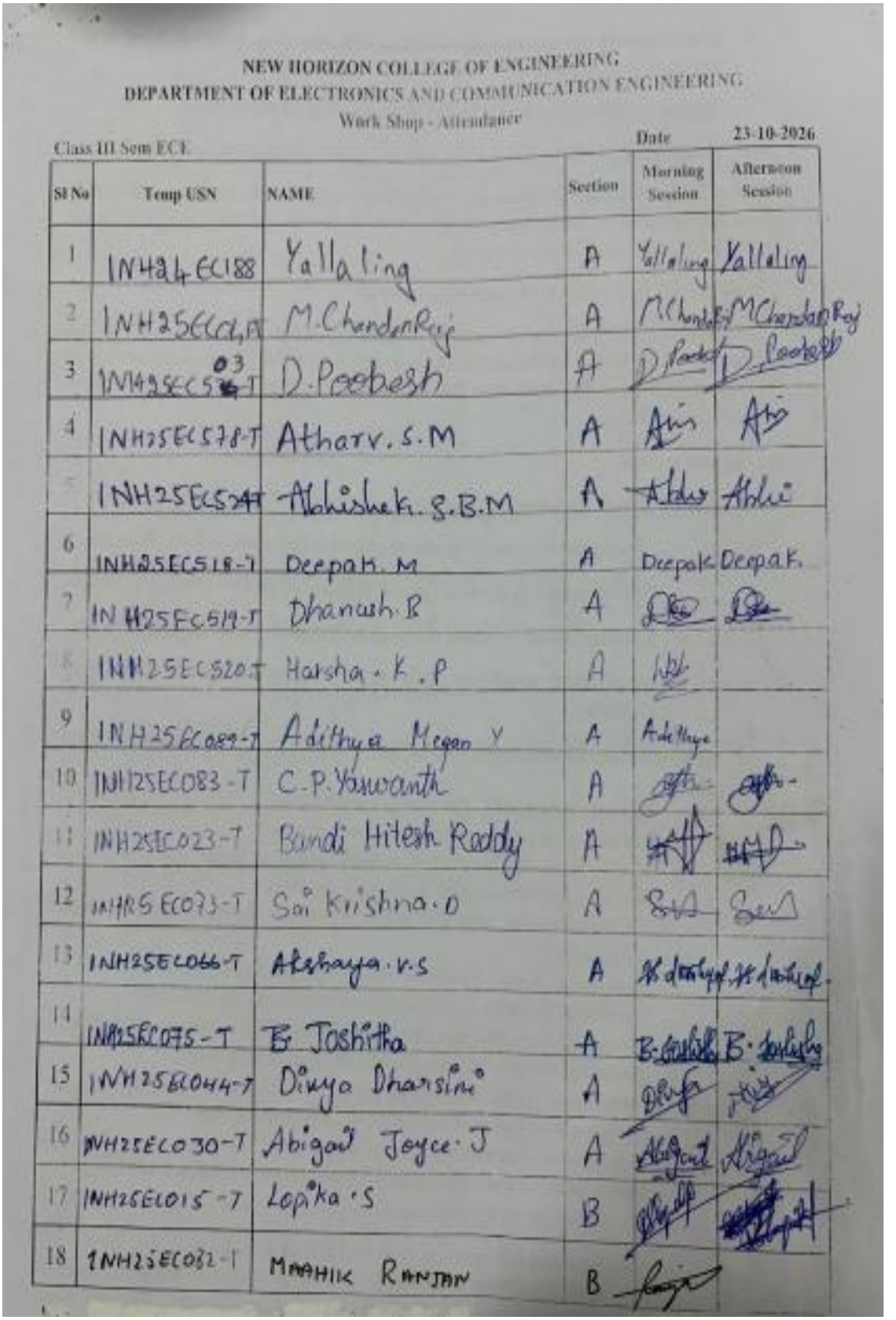
Faculty Coordinator
Ms. Baby Chithra R

Convenor
Dr. Manju Devi
HoD - ECE

Principal
Dr. Manjunatha

Organised by
Department of Electronics and Communication Engineering

Students' Attendance



NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Work Shop - Attendance

Class III Sem ECE Date 23-10-2026

Sl No	Temp USN	NAME	Section	Morning Session	Afternoon Session
1	1NH24EC188	Yallaling	A	Yallaling	Yallaling
2	1NH25EC[illegible]	M.Chandan Raj	A	M.Chandan Raj	M.Chandan Raj
3	1NH25EC503-T	D.Poobesh	A	D.Poobesh	D.Poobesh
4	1NH25EC578-T	Atharv.S.M	A	Atharv	Atharv
5	1NH25EC5[illegible]	Abhishek.S.B.M	A	Abhishek	Abhishek
6	1NH25EC518-T	Deepak.M	A	Deepak	Deepak
7	1NH25EC519-T	Dhanush.B	A	Dhanush	Dhanush
8	1NH25EC520-T	Harsha.K.P	A	Harsha	
9	1NH25EC089-T	Adithya Megan Y	A	Adithya	
10	1NH25EC083-T	C.P.Yaswanth	A	Yaswanth	Yaswanth
11	1NH25EC023-T	Bandi Hitesh Reddy	A	Hitesh	Hitesh
12	1NH25EC073-T	Sai Krishna.D	A	Sai	Sai
13	1NH25EC066-T	Akshaya.V.S	A	Akshaya	Akshaya
14	1NH25EC075-T	B Joshitha	A	B.Joshitha	B.Joshitha
15	1NH25EC044-T	Divya Dharsini	A	Divya	Divya
16	1NH25EC030-T	Abigail Joyce.J	A	Abigail	Abigail
17	1NH25EC015-T	Lopika.S	B	Lopika	Lopika
18	1NH25EC082-T	MAHIK RANJAN	B	Mahik	

Work Shop - Attendance

Class III Sem ECE

Date 23-10-2026

Sl No	Temp USN	NAME	Section	Morning Session	Afternoon Session
19	1NH25EC080-T	Mehar bindra	B	Mehar bindra	Mehar bindra
20	1NH25EC513-T	Joe Paul Francis	B		
21	1NH25EC082-T	Maahik Ranjan	B		
22	1NH25EC502-T	Lakkath Kumar	B		
23	1NH25EC091-T	Chinna Sridhar Reddy BR	A		
24	1NH25EC022-T	Adithya Singh D	A		
25	1NH25EC088-T	Arvindhan B A	A		
26	1NH25EC079-T	Haasini Mukka	A	Haasini	Haasini
27	1NH25EC522-T	Adwika Nellur	A	Adwika	Adwika
28	1NH25EC516-T	Mahitha C	B		
29	1NH25EC527-T	Keertana Arralapuraju	B		
30	1NH25EC551-T	PURUSHOTHAM. N	B		
31	1NH25EC044-T	YASHWANTH KUMAR BR	C		
32	1NH25EC580-T	Ravinayan B.R	B		
33	1NH25EC027-T	S.A Harshavardhan	C		
34	1NH25EC006-T	V.B Aditya Varun	E	V.B	V.B
35	1NH25EC081-T	Siddhant Tayash Golatkar	C		
36	1NH25EC014-T	Shawn E Jijo	C		

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Class III Sem ECE

Date 23-10-2026

Sl No	Temp USN	NAME	Section	Morning Session	Afternoon Session
37	INH25EC058-T	Srishta	C		
38	INH25EC016-T	Chekrika	C		
39	INH25EC505-T	Sheerya Reddy	C		
40	INH25EC523-T	Sahithya.V	C		
41	INH25EC085-T	Yoshita.J	C		
42	INH25EC054-T	Haripriya	C		
43	INH25EC032-T	Ruchitha	C		
44	INH25EC049-T	Tejas BG	C		
45	INH25EC500-T	Veditha R	C		
46	INH25EC545-T	Santoshi Sandeep Vunnam	C		
47	INH25EC533-T	YUVARANI J	C		
48	INH25EC502-T	Pratik E	B		
49	INH25EC517-T	Namith S	B		
50	INH25EC531-T	Thushar N Ganger	C		
51	INH25EC526-T	Yashwanth GP	C		
52	INH25EC529-T	Nandakishore.G	B		
53	INH25EC571-T	M. Akash Manoj	B		

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Work Shop - Attendance

Class III Sem ECE

Date 23-10-2026

Sl No	Temp USN	NAME	Section	Morning Session	Afternoon Session
54	1NH25EC011-T	P. ARJUN	B		
55	1NH25EC028-T	Rathan Nirul	B		
56	1NH26EC817-T	RITHIK - HS	B		
57	1NH25EC504-T	Prathamesh . R	B		
58	1NH25EC036-T	Samarth. R	C		
59	1NH25EC038-T	K. Venkat sai Koushik	B		
60	1NH25EC046-T	Kathirvel b	B		
61	1NH25EC07[illegible]-T	Kruthvik J G	B		
62	1NH25EC072-T	Mohammed Abdul Rahman	B		
63	1NH25EC508-T	Ramu	B		
64	1NH25EC538-T	Yashwanth. D.S	C		
65	1NH25EC556-T	Pallvela Mohith	B		
66	1NH25EC540-T	Rahul.G	B		
67	1NH25EC528-T	Sai Gokul. G	C		
68	1NH25EC007-T	Prakyath Gowda.	B		
69	1NH25EC067-T	Navaneeth krishnan P	B		