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 Internet of Things (IoT): Emerging Technologies and Real-World Applications"

Date	: 22-10-2026
Duration	: 10.00 AM- 12.30 PM & 1:30 PM to 4:00 PM
Workshop topic	: **One-Day Workshop on Internet of Things (IoT): Emerging Technologies And Real-World Applications**
Number of Participants	: 60
Resource person	: Mr. Pramath Hegde, VLSI Engineer, Pantech Solutions India Pvt Ltd, Bengaluru.

Introduction

The hands-on workshop on "One-Day Workshop on Internet of Things (IoT): Emerging Technologies and Real-World Applications" was organized by the department of ECE, and IEEE student Chapter, NHCE, was conducted to provide participants with a comprehensive understanding of IoT, one of the most influential technologies in modern engineering. IoT connects physical devices, sensors and systems to the internet, enabling them to collect, exchange and act on data intelligently. The workshop aimed to equip attendees with the knowledge and skills to design, build and deploy simple IoT solutions effectively.

Objectives

i) To understand the fundamentals of the Internet of Things (IoT) and its architecture.
ii) To learn about emerging IoT technologies and their role in modern engineering systems.
iii) To explore the sensors, microcontrollers, communication protocols and platforms used in IoT.
iv) To gain hands-on experience in building and testing simple IoT applications.
v) To understand real-world applications of IoT across various domains.

Workshop Overview

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

1 Introduction to IoT and Emerging Technologies
2 IoT Architecture, Sensors and Actuators
3 Microcontrollers, Embedded Boards and Communication Protocols
4 IoT Cloud Platforms and Data Visualization
5 Hands-on Session
6 Real-World Applications and Case Studies

Outcomes

The workshop successfully achieved its objectives. Participants gained:

i) A solid understanding of the fundamentals and architecture of IoT.
ii) Practical experience in interfacing sensors with microcontroller-based boards.
iii) The ability to build and test a basic IoT application with data transmission to the cloud.
iv) Awareness of real-world IoT applications and the emerging trends shaping the field.

Conclusion

The "One-Day Workshop on Internet of Things (IoT): Emerging Technologies and Real-World Applications" was a valuable learning experience for all attendees. It provided a strong foundation in IoT 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 IoT and emerging technologies.





FACULTY CORDINATOR HOD-ECE

MS Baby Chithra R

IEEE Sensors Council
NHCE STUDENT BRANCH CHAPTER

NEW HORIZON
COLLEGE OF ENGINEERING

IEEE NHCE
STUDENT BRANCH

One-Day Workshop

Internet of Things (IoT): Emerging Technologies and Real-World Applications

22nd 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

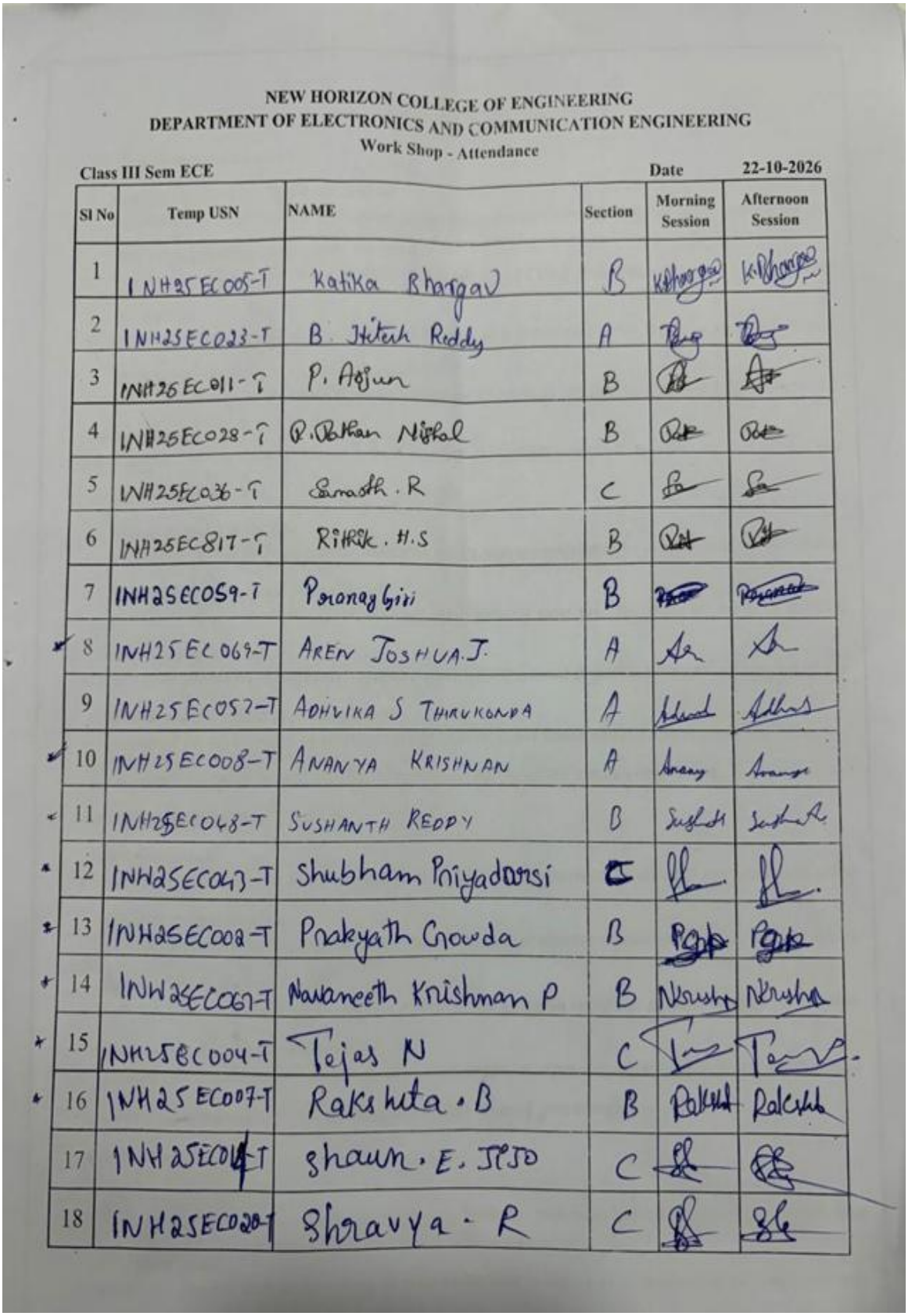
Faculty Coordinator
Ms. Baby Chithra R

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 22-10-2026

Sl No	Temp USN	NAME	Section	Morning Session	Afternoon Session
1	1NH25EC005-T	Katika Bhargav	B		
2	1NH25EC023-T	B. Hitesh Reddy	A		
3	1NH25EC011-T	P. Arjun	B		
4	1NH25EC028-T	P. Pathan Nishal	B		
5	1NH25EC036-T	Sanath. R	C		
6	1NH25EC817-T	Rithik. H.S	B		
7	1NH25EC059-T	Pranay Giri	B		
8	1NH25EC069-T	Aren Joshua J.	A		
9	1NH25EC052-T	Adhvika S Thrukonda	A		
10	1NH25EC008-T	Ananya Krishnan	A		
11	1NH25EC048-T	Sushanth Reddy	B		
12	1NH25EC043-T	Shubham Priyadarsi	C		
13	1NH25EC008-T	Prakyath Gowda	B		
14	1NH25EC061-T	Navaneeth Krishnan P	B		
15	1NH25EC004-T	Tejas N	C		
16	1NH25EC007-T	Rakshita. B	B		
17	1NH25EC0[illegible]-T	Shaun. E. Jose	C		
18	1NH25EC020-T	Shravya. R	C		

19	1NH25EC021-T	S·SHARATHKUMAR	C		
20	1NH25EC522-T	ADVIKA NELLUR	A	Advika	Advika
21	INH25EC055-T	DHIMANTH B J	A		
22	INH25EC006-T	Aditya Varun	C		
23	INH25EC049-T	Tejas	C		
24	INH25EC095-T	Yashwanth.A.R	C		
25	IN H25EC042-T	Deepak Ravi kumar	A		
26	INH25EC044	ChandanRaj M	A		
27	INH25EC032	Ruchita	C		
28	INH25EC070-T	Thanmay Atreya	A		
29	INH25EC532-T	Amogh	A		
30	INH25EC001-T	Aryan Verma	A		
31	INH25EC038-T	K.Venkat sai Kaithik	B		
32	INH25EC009-T	D. Shadik	A		
33	INH25EC019-T	P. Yaswanth kumar Reddy	B		
34	INH25EC063-T	Aishwanth Deepak V.J	A		
35	INH25EC077-T	Aditya Machal	A		
36	INH25EC060-T	B. Tanush	A		
37	INH25EC031-T	Ayush Ashokkumar Gupta	A		
38	INH25EC029-T	ADITYA RAM	C		
39	INH25EC003-T	Soorthak Verma	C		

40	1NH25EC539-T	Sucharitha.R	C	Sucharitha	Sucharitha
41	1NH25EC563-T	Sparti Savadatti	C		
42	1NH25EC557-T	Smriti	C	Smriti	Smriti
43	1NH25EC068-T	S L Sahithya	C	Sahithya	Sahithya
44	1NH25EC044-T	Divya Dharsini K N	A	Divya	
45	1NH25EC030-T	Abigail Joyce J	A	Abigail	
46	1NH25EC015-T	Lopika S	B		
47	1NH25EC039-T	Aditi. M. Shendge	A		
48	1NH25EC079-T	Haasini Mukka	A	Haasini	Haasini
49	1NH25EC056-T	Abhiram K	A		
50	1NH25EC505-T	Shreya Reddy	C		
51	1NH25EC533-T	Yuvarani T	C		
52	1NH25ECE054	Hari Priya	C	Hari	Hari
53	1NH25ECE085-T	Yoshitha	C	yoshitha	yoshitha
54	1NH25ECE024-T	Yashwanth BR	C		
55	1NH26ECE813-T	Rakshitha S R	B		
56	1NH26ECE803-T	Anusha	B	Anusha	Anusha
57	1NH26ECE801-T	Shravani	B		
58	1NH25EC062-T	Pranita S	B	Pranita	Pranita
59	1NH25EC050-T	Pratul Navin R V	B		
60	1NH25EC005-T	Bhargav	B		