NEW HORIZON COLLEGE OF ENGINEERING
Autonomous College, Affiliated to VTU | Approved by AICTE New Delhi & UGC
Accredited by NAAC with 'A' Grade & Accredited by NBA

Department of Artificial Intelligence and Machine Learning

Tel: 080 66297777, Extn: 3008 hod_aiml@newhorizonindia.edu

RECORD

RECORD ID: NHCE/AIML/CIR/EXTA/2026-2027/001

RECORD TITLE: Expert Talk on Role of Machine Learning in the Semiconductor and Storage Industry

ACTIVITY / EVENT / PROCESS: EVENT

DATE: 29TH OCTOBER 2026

TIME*:* 10am to 12pm

VENUE / LOCATION C block - 212

DEPARTMENT : Artificial Intelligence and Machine Learning

RECORD CATEGORY: Event

PREPARED BY: Prof. Apeksha N H, Prof. Manojkumar

VERIFIED BY: Dr. Vandana CP

APPROVED BY *(As applicable)*:

RELATED DOCUMENTS:

- Circular
- Notesheet
- Report

1. OBJECTIVE

To document and preserve verifiable institutional evidence of the Expert Talk titled **"Role of Machine Learning in the Semiconductor and Storage Industry,"** conducted to provide students with insights into the practical applications of Machine Learning in semiconductor manufacturing, storage technologies, industrial automation, and quality control. The session aims to enhance students' understanding of emerging industry trends, real-world technological applications, research opportunities, and future career prospects, thereby bridging the gap between academic knowledge and industry requirements.

2. DESCRIPTION / DETAILS OF ACTIVITY

The Department of Artificial Intelligence and Machine Learning organized an Expert Talk titled **"Role of Machine Learning in the Semiconductor and Storage Industry"** to provide students with insights into the growing applications of Machine Learning in the semiconductor and storage sectors. The session covered the role of Machine Learning in semiconductor manufacturing, process optimization, defect

detection, quality control, and advanced storage technologies. The resource person highlighted how Machine Learning techniques are being used to improve industrial efficiency, accuracy, automation, and operational performance. Insights were also shared on emerging technological trends, real-world industry applications, challenges, and innovations in semiconductor and data storage domains. The session emphasized the importance of Artificial Intelligence, Machine Learning, data-driven decision-making, and technical skills in addressing industry requirements. An interactive question-and-answer session enabled students to clarify their queries regarding industrial applications, technological advancements, research opportunities, and career prospects in these fields. The activity provided valuable industry exposure and encouraged students to explore emerging technologies and understand the growing role of Machine Learning in modern industries.

3. PARTICIPANT / STAKEHOLDER DETAILS *(As applicable)*

Category	Details
Participants	7th Semester Students -60
Departments Involved	Artificial Intelligence and Machine Learning
Resource Persons	Mr. Nitin Ravichander
Coordinators	Prof. Apeksha N H Prof. Manojkumar

4. RECORD DETAILS

Parameter	Details
Activity Name	Expert Talk
Date	29th October 2026
Duration	2 Hours
Responsible Coordinator	Prof. Apeksha N H Prof. Manojkumar

5. EVIDENCE ATTACHED

Supporting Evidence:

✓ Photographs
✓ Attendance Sheets
✓ Circulars
✓ Feedback

6. EVIDENCE INDEX *(Recommended)*

Sl. No.	Evidence Type	File Name / Reference	Remarks
1	Photograph	Annexure I	Event photographs
2	Attendance	Annexure II	Student attendance

7. OBSERVATIONS / OUTCOMES

- Improved awareness of Machine Learning applications in the semiconductor and storage industries.
- Better understanding of the role of Machine Learning in semiconductor manufacturing, defect detection, quality control, and process optimization.
- Increased awareness of emerging technologies, industrial innovations, and real-world applications of Machine Learning.
- Enhanced understanding of industry requirements, technological challenges, and future developments.
- Encouraged students to explore research opportunities and career prospects in the semiconductor and storage domains.
- Bridged the gap between academic knowledge and practical industry applications.

8. VERIFICATION DETAILS

Verification Parameter	Details
Verified By	Dr. Vandana CP
Verification Date	
Verification Remarks	

9. COMPLIANCE REQUIREMENTS

Mandatory Requirements:

✓ The event record shall include the title, date, venue, and department details.

✓ Attendance records of participating students shall be maintained.

✓ Photographs of the expert talk shall be properly attached as supporting evidence.

✓ Details of the resource person, including name and designation, shall be documented.

✓ Event proceedings and key discussion points shall be maintained for institutional records.

✓ All supporting documents and evidence shall be properly organized and preserved for future reference.

10. STORAGE & RECORD RETENTION

Storage Location:

- Department Repository
- IQAC Repository
- ERP / Cloud Storage
- Administrative Section

Retention Period:

Access Control:

11. DIGITAL IMPLEMENTATION *(Recommended)*

Possible Digital Modes:

- ERP Entry
- Google Form Submission
- Cloud Repository
- QR-Based Evidence Upload
- Automated Documentation Platform

Suggested Features:

- Evidence Upload
- Auto Record ID Generation
- Timestamping
- Search & Retrieval
- PDF Export
- Audit Trail

12. COMMON OBSERVATIONS / ERRORS *(Recommended)*

Common Issue	Suggested Correction
Missing evidence	Ensure mandatory uploads
Unverified records	Complete verification process
Incomplete descriptions	Use structured reporting
Missing references	Maintain traceability

13. ANNEXURES *(As applicable)*

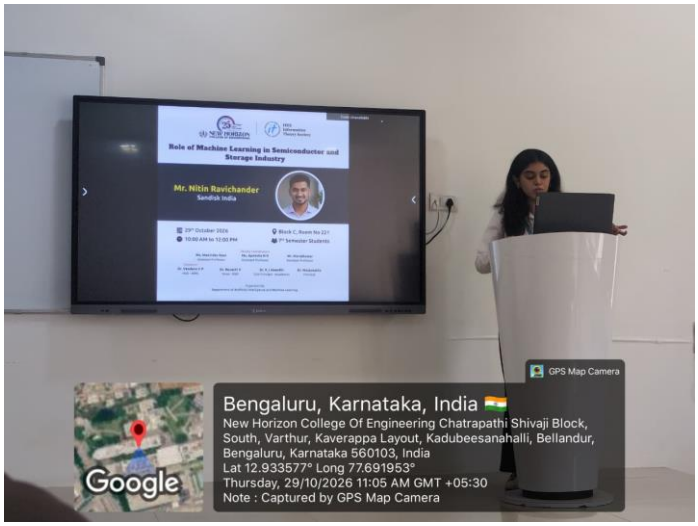
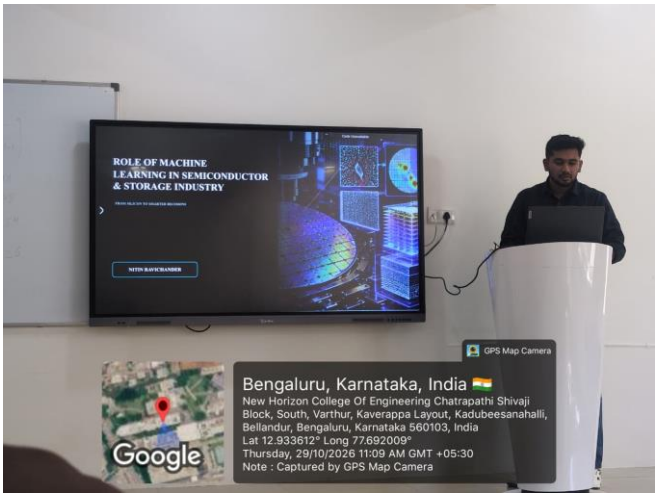
- Annexure I – Photographs
- Annexure II – Attendance
- Annexure III – Supporting Documents

APPROVALS

Role	Name	Signature	Date

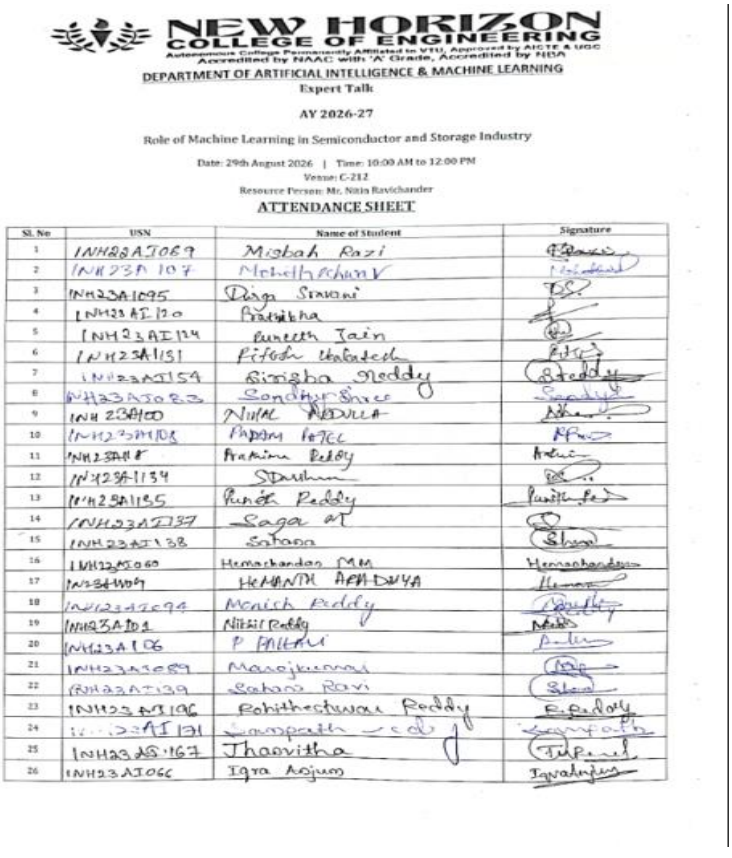
Prepared By	Prof. Apeksha N H, Prof. Manojkumar		
Verified By	Dr. Vandana CP		
Approved By *(As applicable)*			

- Annexure I – Photographs

Inauguration of the session	Delivery of the session
	

Delivery of the session	Group Photograph of the session
	

- Annexure II – Attendance



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Expert Talk

AY 2026-27

Role of Machine Learning in Semiconductor and Storage Industry

Date: 29th August 2026 | Time: 10:00 AM to 12:00 PM

Venue: C-212

Resource Person: Mr. Nitin Ravichander

ATTENDANCE SHEET

Sl. No	USN	Name of Student	Signature
1	1NH23AI089	Misbah Razi	
2	1NH23A 107	Mohith Chandra V	
3	1NH23A1095	Diya Sawani	
4	1NH23AI120	Prathiksha	
5	1NH23AI124	Puneeth Jain	
6	1NH23A1151	Pitesh Chakradeo	
7	1NH23AI154	Sirisha Reddy	
8	1NH23AI083	Sandhya Shree	
9	1NH 23AI00	Nihal Abdulla	
10	1NH23MI08	Pappu Patel	
11	1NH23AI1	Prathima Reddy	
12	1NH23A-1134	Shashwan	
13	1NH23A1185	Punith Reddy	
14	1NH23AI137	Saga at	
15	1NH23AI138	Sahana	
16	1NH23MI060	Hemachandar MM	
17	1NH23MI069	HEMANTH ARAVIYA	
18	1NH23AI094	Monish Reddy	
19	1NH23A104	Nikhil Reddy	
20	1NH23AI106	P Pallavi	
21	1NH23AI089	Manojkumar	
22	1NH23AI139	Sahana Ravi	
23	1NH23AI196	Rohitheshwar Reddy	
24	1NH23AI131	Sampath	
25	1NH23AI167	Thanvitha	
26	1NH23AI066	Iqra Anjum	

27	1NH23AI069	K Bhushyanth	
28	1NH23AI184	Yashwanth	
29	1NH23AI185	Yashwanth AD	
30	1NH23AI184	Kabeer	
31	1NH23AI206	Tuya charan	
32	1NH23AI[illegible]	Vishnu	
33	1NH23AI206	Tanishq	
34	1NH23AI070	Jashwanth chowdry	
35	1NH23AI110	Samanth Venkata Rao	
36	1NH23AI151	Shreyash	
37	1NH23AI126	Rahul P.	
38	1NH23AI145	Shamitha Ramesh	
39	1NH23AI150	Shreeya	
40	1NH23AI205	Kavyashree	
41	1NH23AI200	Tejay reddy	
42	1NH23AI197	Sai Bhadra	
43	1NH23AI209	Sudheepthi	
44	1NH23AI[illegible]	Kalyan	
45	1NH23AI202	Bhavani prasad	
46	1NH23AI211	Bhaskar Reddy	
47	1NH23AI117	Rahul Prasad	
48	1NH23AI[illegible]	Tejas Roy	
49	1NH23AI128	Rahul Bharan	
50	1NH23AI[illegible]	Kushumavith	
51	1NH23AI160	Sumedha Bam	
52	1NH23AI166	Tejashwini	
53	1NH23AI195	Keerthi Shravya	
54	1NH23AI145	Shamitha Ramesh	
55	1NH23AI074	Keerthan R	
56	1NH23AI104	PRAGATHI N	
57	1NH23AI191	Krishnapal	
58	1NH23AI208	Agrim Gupta	
59	1NH23AI091	Lokeshwar Reddy	
60	1NH23AI172	Ullas	
61	1NH23AI146	Shruthi	
62	1NH23AI201	Madhu charan	
63	1NH23AI301	NIKHIL. REDDY M	

Expert Talk Coordinator

HOD

- Annexure III – Supporting Documents

