



AD-405	<b>Notice of Hands on Workshop</b>	Academic Year: 2025-26
Rev:00		Semester: II

Logmicer /Degree/ AIML /2025-26 /

Date: 07/05/2026

### DEPARTMENT OF AIML ENGINEERING

All the students from Third year are hereby informed that, The One day Hands On Workshop on Industrial IOT is arranged by the Department of AIML Engineering. The Resource Person the expert and working on this topic since last 17 Years.

The workshop session will be conducted in Lab No. 328.

#### Event Details:

- Date: 08/05/2026
- Venue: Lab No.328
- Organized by: AIML Department

**Coordinator**  
**Prof.A.V.Gangurde**



**HOD**

**Dr.B.S.Shirole**

HEAD

Dept. of Computer Engineering  
LOKNETE GOPINATHJI MUNDE  
Institute of Engineering Education & Research  
Canada Corner, Nashik-422002



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Krantiveer Vasantirao Narayanrao Nalk Shikshan Prasarak Sanstha's  
**LOKNETE GOPINATHJI MUNDE**  
**INSTITUTE OF ENGINEERING EDUCATION & RESEARCH**  
Canada Corner, Sharanpur Road, Nashik-422002.  
Approved by AICTE, Accredited 'B' Grade by NAAC  
(Degree Engg., Diploma Engg. & MBA)



Logmiccer/Degree/ AIML/ 2025-26/

Date: .08/ 05/2026

To,  
**Prashant Abhiman Andhale**  
Senior Software Engineer  
Helical IT Solutions Pvt Ltd.  
Hydrabad.

Respected Sir,

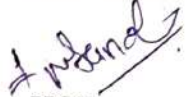
We would like to express our heartfelt gratitude for your remarkable lecture at our institute. Your expertise and insightful perspectives on "One day Hands on Workshop on Industrial IOT" made a profound impact on our students and faculty.

Your passion for the subject matter and your ability to connect with the audience truly made the event a memorable one. The knowledge and inspiration you shared during your session have left a lasting impression on our students, empowering them to explore new ideas and strive for personal and academic growth.

We are grateful for the time and effort you devoted to preparing and delivering such an enlightening and thought-provoking session. Your expertise and insights have significantly contributed to the educational experience of our students and enriched our institute's academic environment.

Thank you once again for your invaluable contribution. We hope to have the privilege of welcoming you back to our institute in the future.

With utmost appreciation,

  
HOD

Dr.B.S.Shirole

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Principal  
Dr. K V Chandratre

**PRINCIPAL**  
LOKNETE GOPINATHJI MUNDE INSTITUTE OF  
ENGINEERING EDUCATION AND RESEARCH.  
NASHIK 422 002



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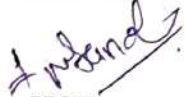
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Krantiveer Vasantao Narayanrao Naik Shikshan Prasarak Sanstha

**LOKNETE GOPINATHJI MUNDE**  
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AD-301	Activity Report	Academic Year: 2025-26
Rev-00		Semester: I / II

DEPARTMENT OF AIML ENGINEERING

Particulars	Description
Activity	Workshop.
Activity level	College
Title	<b>One day Hands On Workshop on Industrial IOT.</b>
Resource Person Organization/Institute Name and address	<b>Mr.Prashant Abhiman Andhale</b> Senior Software Engineer Helical IT Solutions Pvt Ltd. Hydrabad
Organized by	<b>AIMSA</b>
Venue	<b>Lab No.328</b>
Date & Time	<b>08/05/2026</b>
Objectives of the activity	<ul style="list-style-type: none"><li>•To understand the concept of IoT-based cloud data logging.</li><li>• To learn how to collect sensor data using a microcontroller.</li><li>• To interface sensors with Arduino/NodeMCU for real-time data acquisition.</li><li>• To understand serial communication and internet-based data transfer.</li></ul>
Outcomes of activity	<ul style="list-style-type: none"><li>• Understand the working of IoT-based cloud data logging systems.</li><li>• Implement serial and wireless communication for data transfer.</li><li>• Store and monitor sensor readings remotely using cloud platforms.</li></ul> Apply IoT concepts for real-time monitoring applications such as temperature, humidity, and smart systems.
Targeted participants	24
Total no. of participants, Participation %	24 (100%)
Content of the activity	Hands-on Practical Implementation and Testing Troubleshooting and Debugging of Circuits LED Interfacing and LED ON/OFF Control Programming Arduino using Arduino IDE LCD Interfacing with Arduino
Relevance to POs	<b>PO2,PO3 ,PO4 ,PO5 ,PO7 , PO10,PO12</b>
Relevance to PSOs	<b>PSO1,PSO2,PSO3,PSO4</b>
Methodology used	1. Hardware Setup Connect the sensor (temperature/humidity or other sensor) with Arduino/NodeMCU and establish proper power supply and circuit connections.

2. Software Configuration

Install and configure Arduino IDE along with required libraries for sensor interfacing and Wi-Fi communication.

3. Sensor Data Acquisition

Read real-time sensor values using the microcontroller and verify the output through Serial Monitor.

4. Internet Connectivity

Connect the NodeMCU/ESP8266 or Wi-Fi module to the internet using Wi-Fi credentials.

5. Google Sheets Integration

Create a Google Sheet and configure Google Apps Script or API to receive sensor data..

7. Data Logging and Monitoring

Store the received sensor data automatically in the spreadsheet for continuous monitoring.

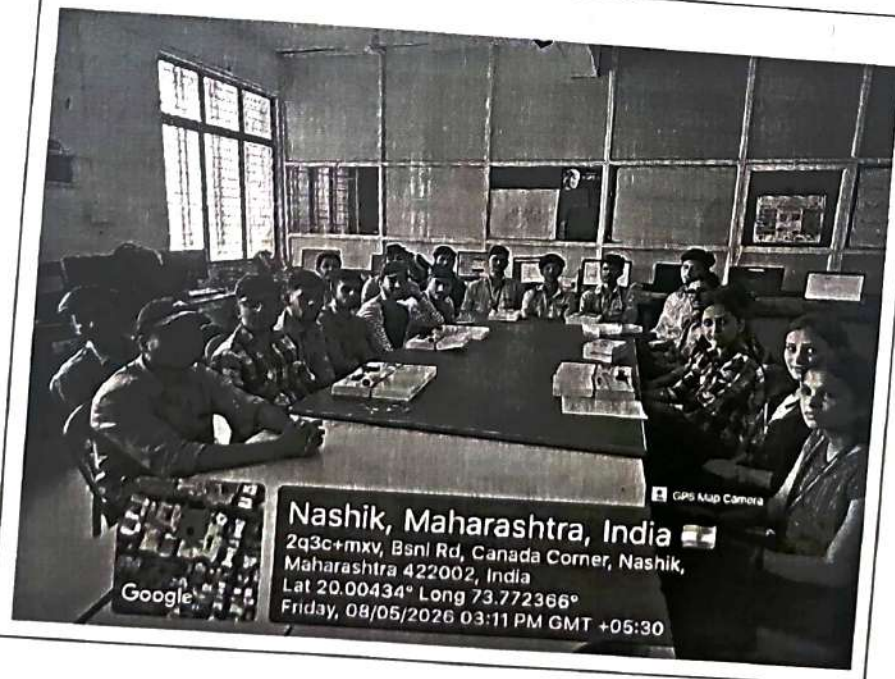
8. Result Analysis

Analyze the collected data using spreadsheet functions, tables, and graphical representation.

Brief Description of the Activity

The practical on Sending Sensor Data to Google Sheets/Spreadsheet was conducted to understand IoT-based cloud data logging and remote monitoring systems. In this activity, sensors were interfaced with Arduino/NodeMCU to collect real-time environmental data such as temperature and humidity. The acquired sensor values were processed using embedded programming and transmitted to Google Sheets through internet connectivity. Google Apps Script/API was used for storing the data in an online spreadsheet. The activity demonstrated the working of cloud-integrated IoT systems for continuous monitoring and data analysis. Students observed how real-time data can be accessed remotely from any location. The practical also included visualization and analysis of collected data using spreadsheet tools. This activity is important for understanding modern IoT applications used in smart homes, healthcare, industrial automation, and environmental monitoring systems.

Geo- tag photos of the Activity



ties for



*A.V. Gangurde*  
 Coordinator

Prof.A.V.Gangurde

*M.D. Sanap*

Department Coordinator

Prof.M.D.Sanap

*B.S. Shirode*

HOD HEAD  
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DEPARTMENT OF AIML ENGINEERING

Event Name :-

Attendance Sheet

Class: TE

One day Hands on Workshop on JIOT

Date:- 21/05/2026

Roll No.	Name of Student	Signature
1	AVHAD KALYANI VILAS	
2	BACHHAV AKSHAY MADHUKAR	
3	BACHHAV SARTHAK MOHAN	
4	CHAUDHARI HITESH DADABHAU	
5	GAIKWAD SHRUTIKA SANTOSH	
6	GALPHADE ADITYA SANJAY	
7	JADHAV TANUJA VISHWAS	
8	KANDE SAMADHAN MANIK	
9	KHAIRE TEJAS VIJAY	
10	KOND OM MACHCHINDRA	
11	MAHAJAN KALPESH SANJIV	
12	MANTHEN SUCHIT VENKATESH	
13	MOHITE SARTHAK RAJENDRA	
14	PARAKH YASH NILESH	
15	PATIL KHUSHI VIJAY	
16	PATIL RUCHIRA MILIND	
17	PAWAR SAKSHI RAMESH	
18	PAWAR SAMRUDDHI BHIDAS	
19	RAJPUT VANSH SANDEEPSINGH	
20	SALVE KARTIK NANDKISHOR	
21	SALVE SHANTANU RAMESH	
22	SHEJWAL VEDIKA PRASHANT	
23	SHINDE KARAN VALMIK	
24	SHRDUL PRAJWAL KAILAS	
25	SHREYAS VINAYAK BHOGE	
26	SONAWANE GAURI DINKAR	
27	SONAWANE SANIKA SUNIL	
28	SURYAWANSHI SHREYASH SUNIL	
29	TELANG VAISHNAVI AJAY	
30	TIDAKE ISHWARI SANJAY	
31	CHAUDHARI SAMIKSHA SANTOSH	
32	JADHAV POONAM SUBHASH	
33	KOLHE ARYAN VILAS	
34	MORE RUTUJA SURESH	

Prof. M. D. Karad

Class Coordinator

Prof. A. V. Gangurde

Event Coordinator

HEAD  
HOD AIML

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