



DEPARTMENT OF INFORMATION SCIENCE and ENGINEERING

Workshop
on
“Automation and Analysis using IOT”

Participants: 4th Semester Students

Date: 04-April-2025

Brief Description of the Event

On April 4th 2025, the ISE Department hosted a workshop on “Automation and Analysis using IOT” by Harish N, CTO, Karunadu Technologies. The primary objective of the workshop was to provide hands-on experience and theoretical understanding of Internet of Things (IoT) based on automation and data analysis techniques. It aimed to bridge the gap between academic concepts and real-world applications of IoT in modern smart systems.

The Workshop consisted of

- Introduction to IoT and its Architecture
- IoT Communication Protocols and Technologies
- Sensor Interfacing and Data Acquisition
- Real-Time Data Monitoring and Control
- Automation using IoT Devices (Raspberry Pi, Arduino, etc.)
- Cloud Integration and Data Analytics
- Case Studies and Applications in Smart Homes, Agriculture, and Industry 4.0

Hands-on Sessions

Participants had the opportunity to:

- Interface sensors and actuators with microcontrollers
- Build small Automation Systems using IoT kits
- Analyse real-time data using cloud-based tools
- Develop basic dashboards for data visualization

No. Of Participants: 60

Resource Person Details:

Mr. Harish N currently serves as the CTO at Karunadu Technologies Pvt Ltd.

The brochure of the event and the glimpses of the event:



NEW HORIZON
COLLEGE OF ENGINEERING

Department of Information Science and Engineering

WORKSHOP

Automation & Analysis using IoT

Mr. Mahesh Deginal
Managing Director & CEO
Karunadu Technologies

Mr. Harish N
CTO
Karunadu Technologies

4 April 2025
9:00 AM onwards
C506
4th Semester Students

Faculty Coordinator
Mrs. Myneni Chandana
Assistant Professor / ISE

Convenor
Dr. Vandana C P
Associate Professor and Head / ISE



Faculty Coordinator
Myneni Chandana

HOD-ISE
Dr. Vandana C P