



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ♦ Approved by AICTE ♦ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

A One-Day Workshop On “IoT Protocols “

By

EMBEDDED AND IOT TECHNICAL CLUB

Department Of ECE

Name of the event: IoT Protocols - Hands on experience

Dates: 30-09-2026

Venue: R-105

No. of students participated: 18

Objective of the event:

The objective of the event is to introduce students to commonly used IoT sensors and actuators and provide practical experience in interfacing them with microcontrollers. The event aims to help students understand real-time sensor data collection and actuator control. It also focuses on developing basic hardware interfacing and programming skills. Students will explore the working principles and applications of different IoT components. The event encourages participants to build simple and innovative IoT-based prototypes.

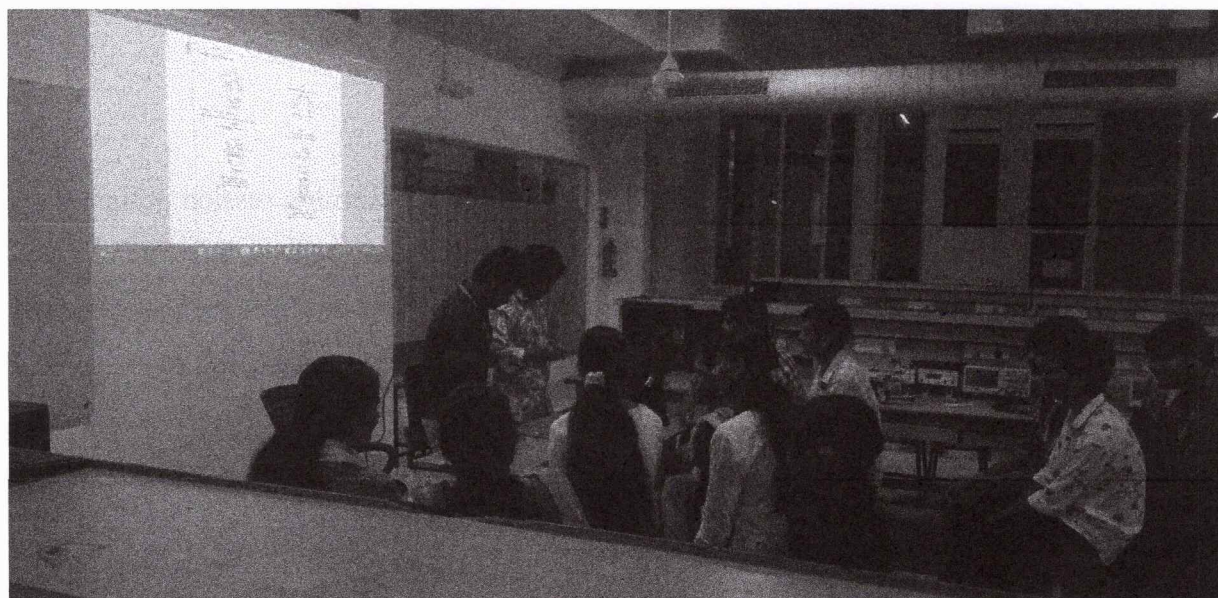
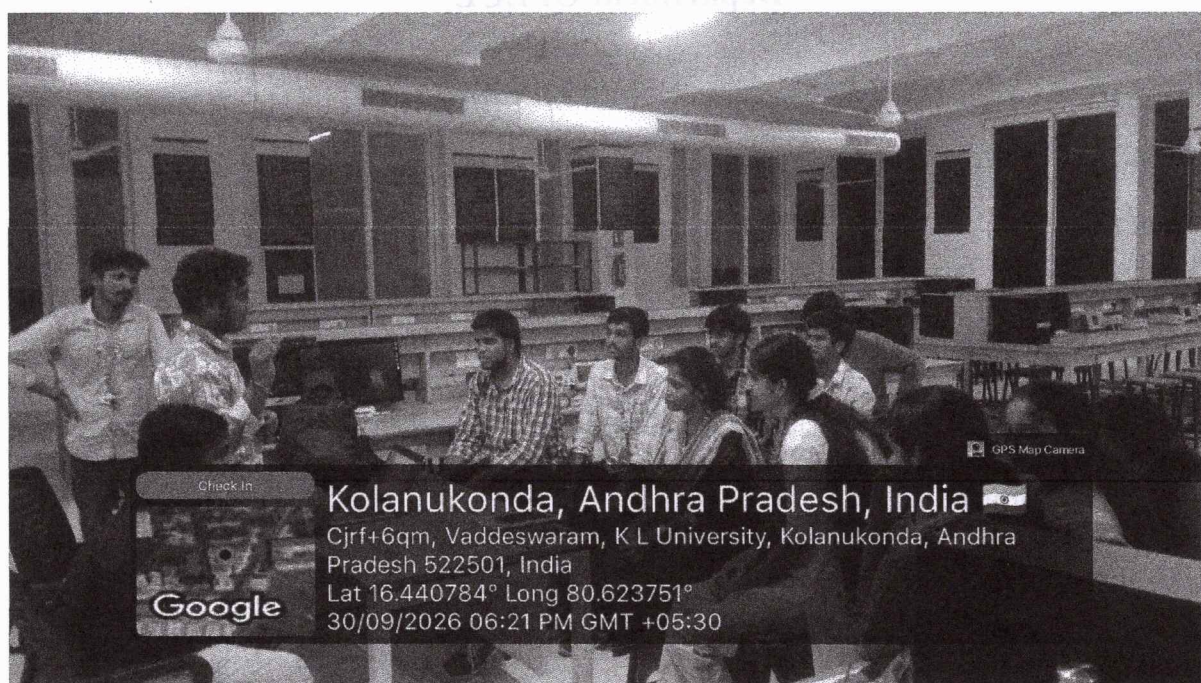
Description of the event:

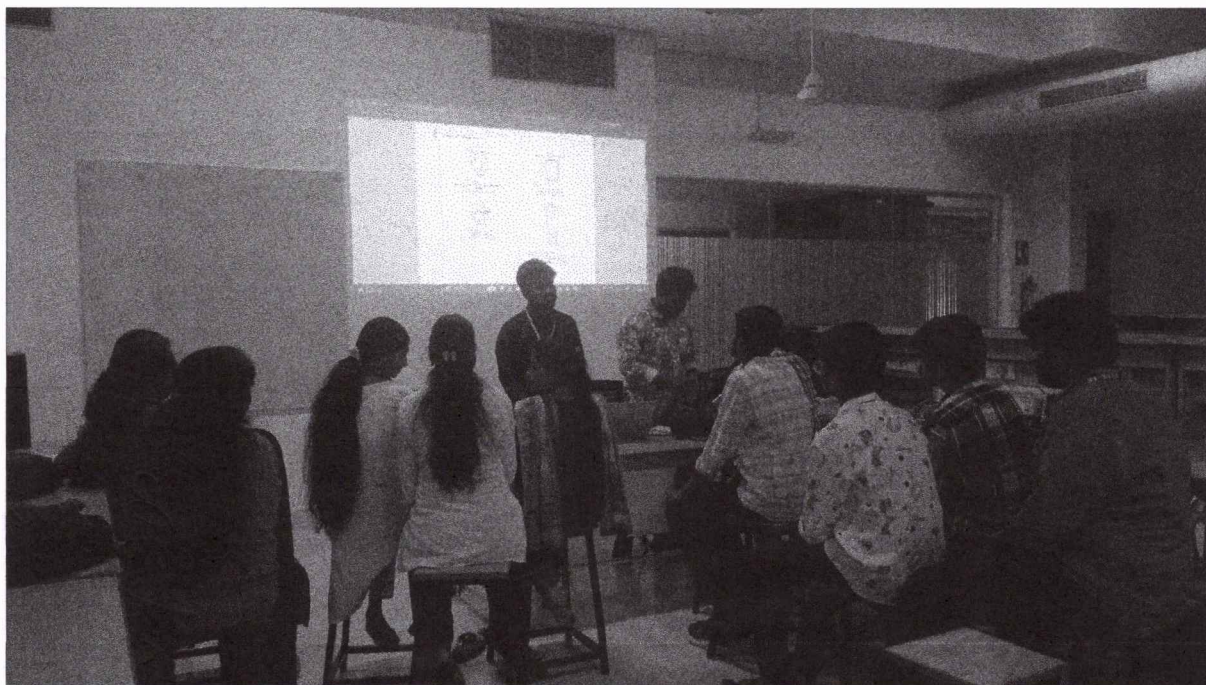
The **IoT Protocols – Hands-on Experience** event is a practical learning session designed to introduce students to the fundamentals of IoT hardware. Participants will work with different sensors and actuators and learn how to interface them with microcontrollers such as Arduino or ESP32. The session will demonstrate how sensor inputs can be collected and processed to control actuators in real time. Through hands-on activities, students will understand the working of IoT components and their practical applications. The event encourages students to experiment, troubleshoot, and develop simple IoT-based prototypes.

Outcome of the event:

Participants will gain a clear understanding of different IoT sensors and actuators and their real-world applications. They will develop hands-on skills in connecting and programming sensors with microcontrollers. Students will learn to collect sensor data and control actuators based on real-time inputs. The activity will improve their problem-solving and hardware development skills. Participants will be confident in designing and developing basic IoT-based systems..

Photos of the event:





Participant's List:

S. NO	STUDENT ID	STUDENT NAME	DEPT	SIGNATURE
1	2400040082	G Bala Aditya Gowtham .	ECE	<i>Gaditya</i>
2	2400040107	R Sreenivasulu	ECE	<i>R. Sreenivasulu</i>
3	2500040022	JaiRam	ECE	<i>Jai Ram</i>
4	2400049022	J Akshaya	ECE	<i>J Akshaya</i>
5	2500049020	C Dharani	ECE	<i>C Dharani</i>
6	2500049021	M Tejaswani	ECE	<i>M Tejaswani</i>
7	2500049032	M Rohitha	ECE	<i>M Rohitha</i>
8	2500049018	M Anusha	ECE	<i>M Anusha</i>
9	2500049026	Y Liketeswari	ECE	<i>Y Liketeswari</i>

10	2500049013	T Surya Kowshik	ECE	Tsura
11	2500049041	P Vijayarshini	ECE	P Vijaya
12	2500040131	Venkata Vaageesha	ECE	V.V
13	2500040011	P Sai Shreshta	ECE	P.S.S
14	2500040157	P Bhavya Sri	ECE	Siri
15	2500040197	Bhuvana Kruthi	ECE	Bhuvana K.
16	2500040127	Lakshmi Durga Anjani	ECE	L.D.A
17	2500040217	Annapureddy Sonsy Cherybic	ECE	Sony
18	2500060007	VARUN CHOWDARY	EEE	Varun



In charge

Embedded and IOT Technical
Club


Dr. L. Govardhani
HOD-ECE
Professor & Head
Department of ECE
K L E F
Green Fields, Vaddeswaram,
Guntur Dist., A.P. PIN: 522 302