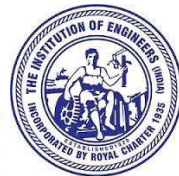**One Week Workshop**
On

Applications of IOT in Mechanical Engineering

28th August 2023 – 02nd September 2023

Organized by

DEPARTMENT OF MECHANICAL ENGINEERING

In association with

DEPARTMENT OF INTERNET OF THINGS

SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)
Seshadri Rao Knowledge Village, GUDLAVALLERU- 521356

Resource Persons **:** Dr. B.R.B.Jaswanth, Asst.Professor,

Sri. P.Ramakrishna, Asst.Professor

Dept. of IoT, SRGEC.

Session Details & Contents:

Details		Contents
Day I	9:30 AM – 12:30 PM	Introduction to IOT-Developing a model to measure distance between source and an observer. Implementing a model to monitor temperature and humidity in real time conditions.
	1:30 PM – 3:45 PM	Enabling precision weight measurement using Arduino. Pathways to understanding the role and impact of LDR sensors in light detection and control systems.
Day II	9:30 AM – 12:30 PM	Detecting Invisible presence un masking the role of passive infrared sensor in motion based applications. Implementation of push-button interfaces, offering a user-friendly method for managing illumination.
	1:30 PM – 3:45 PM	Measuring humidity and temperature parameters with the help of ESP32 and uploading it in cloud. Understanding the moisture levels of soil.

Target Students: **IV B.Tech - I Sem M.E Students**

Faculty Coordinators:

Sri. K Krishna Kishore, Asst. Prof. of ME.

Sri. M Ujwal Teja, Asst. Prof. of ME.

Student Coordinators:

V Neeraja	G V Pavan	Ch Revanth	P Srinivas
K Maruthi Nanda Kumar	M Sasi Namratha	K Sumana Datta	K Kavya Tulasi
B Suhas	M Rakesh	P Eswar	

Venue: M.E Seminar Hall (N-216)