RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

Department of Electronics and Communication Engineering

Date : 23-08-2023 & 24-08-2023

Venu : ECE Seminar Hall (Sathiyendranath bose)

Trained by: Enthu Technology

Enthu Technology Solutions India Pvt Ltd
#88 & 89, SSN Square, Peelamedu Pudhur,
Near RTO Office South,
Coimbatore, Tamil Nadu - 641004,India
GSTIN : 33AADCE9083H1ZJ

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Objectives:

The main objective is to provide the hands on experience in the field of IoT using LoRa WAN technology under the title of **"Two Days IoT Onsite Workshop Training Program"** for the students of ECE department.

. The following mentioned titles are discussed by the trainer which are:

Outline

Day 1	Day 2
SESSION I(10 AM to 1:00 PM) • Introduction to IoT and its Application • Introduction to ESP32 • Introduction to Arduino IDE & Arduino programming • ESP32 library installation • Hands-On: Integration LED with WDM • DIY: Integration LED with WDM • Hands-On: Integration IR sensor with WDM • DIY: Integration IR sensor with WDM • Hands-On: Integration PIR sensor with WDM • DIY: Integration PIR sensor with WDM • Hands-On: Integration Flame sensor with WDM • DIY: Integration Flame sensor with WDM • Hands-On: Integration DHT11 sensor with WDM • DIY: Integration DHT11 sensor with WDM SESSION II(2 PM to 4:00 PM) • Hands-On: Integration Ultrasonic sensor with WDM • DIY: Integration Ultrasonic sensor with WDM • Hands-On: Integration LM35 sensor with WDM • DIY: Integration LM35 sensor with WDM • Hands-On: Integration Soil Moisture sensor with WDM • DIY: Integration Soil Moisture sensor with WDM • Hands-On: Integration MQ2 sensor with WDM • DIY: Integration MQ2 sensor with WDM	SESSION I(10 AM to 1:00 PM) BLE Mobile App: • Hands-On: Sending constant data from End Device to BLE Mobile App. • DIY: Sending constant Data from End Device to BLE Mobile App • Hands-On: Controlling LED from BLE Mobile App. • DIY: Controlling LED from BLE Mobile App. • Introduction to IoT Platform: Thing speak • Hands-On: Sending constant data from End Device to Thing speak channels. • DIY: Sending constant Data from End Device to Thing speak • Hands-On: Sending Ultrasonic sensor data from End Device to Thing speak channels. • DIY: Sending Ultrasonic sensor data from End Device to Thing speak channels. SESSION II(2 PM to 4:00 PM) • Hands-On: Sending IR sensor Data from End Device to Thing speak channels. • DIY: Sending IR sensor Data from End Device to Thing speak • Hands-On: Sending DHT11sensor Data from End Device to Thing speak channels. • DIY: Sending DHT11sensor Data from End Device to Things peak • Introduction to MQTT • Hands-On: Sending constant data from End Device to MQTT Mobile App. • DIY: Sending constant Data from End Device to MQTT Mobile App • DIY: Sending Sensor data from End Device to MQTT Mobile App.

Total Number of Participants: 52 Students

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Department of Electronics and Communication Engineering

RAJARAJESWARI
COLLEGE OF ENGINEERING
#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru- 560074
CSE, ECE

सह वीर्य करवावहै
Institution of Electronics & Telecommunication Engineers

ARIIA
ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

Department of Electronics and Communication Engineering

Organizing

TWO DAYS IOT ONSITE WORKSHOP TRAINING PROGRAM

BY

enthutech
Infinite Innovations

Venue: ECE Seminar Hall

Date : 23-08-2023 and 24-08-2023

Organizing committee

Dr. Balakrishna. R
Principal

Dr. J. Amutharaj
Vice-Principal

Dr. A. K. Mariappan
Rector RRGI

Dr. Thangadurai N
Dean - Innovation

Dr. S. Usha
Dean R&D

Dr.L. Rangaiah
HOD / ECE

Staff Co-ordinators

Dr. A. Muruganandham
Professor

Dr. D. Sobya
Associate Professor

Admissions Open for 2023-2024

CET CODE:E145 / COMED-K:E099 / PGCET:T858

Contact Number: +91-80-28437375

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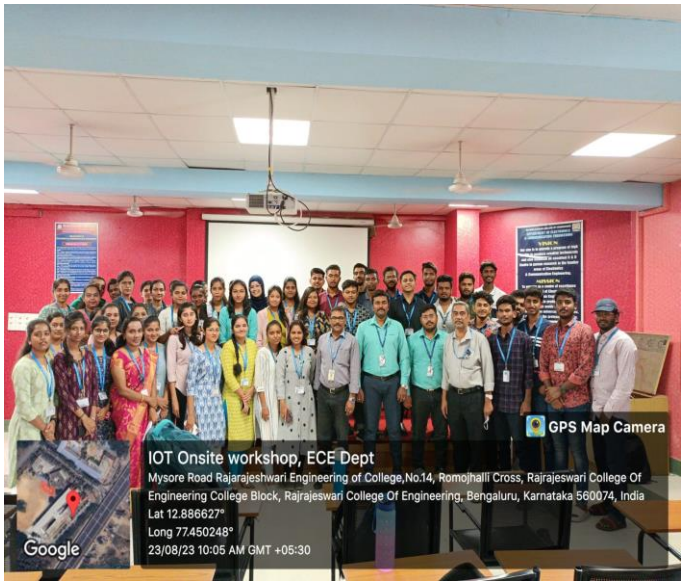
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