



# RajaRajeswari College of Engineering

(An Autonomous Institute, Affiliated Visvesvaraya Technological University, Belagavi ,  
Approved by AICTE, UGC & GoK, Accredited by ISO 9001-2015 Certified Institution)

Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST  
#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru – 560074



Department of Electronics and Communication Engineering

## Workshop Event Report

**Event Name:** Two Days hands on Training –IoT On-site Workshop

**Date/Time:** 07.11.2024 To 08.11.2024/8.30AM to 4.00PM

**Venue & Time:** ECE Seminar Hall

**Resources Person:**

1. Mr. Dhinakar.L, IobiT Solutions
2. Mr. Sreedhara, IobiT Solutions

IobiT Solutions,  
Lakshmi Complex, Ullal Main Road,  
Bangalore-560056  
Email : sales@iobit.in | Website: [www.iobit.in](http://www.iobit.in)  
Contact No: +91 9449238479  
GST No. 29AGBPN9880E1ZZ



### 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 hands on Training –IoT On-site Workshop**” for the students of ECE department. . The following mentioned titles are discussed by the trainer which are:

### Agenda for 2 Days Training Program

- Introduction to IoT & ESP 32.
- Introduction to Arduino IDE.
- Installing the Microcontroller Board Manager.
- Hands-On: Basic Exercise of Led, Switch.
- Introduction to Communication Protocols.
- Hands-On: Sensor interface eg: Temperature, Humidity, IR , Ultrasonic, Touch etc.
- DIY Session : Project Development using Sensors.
- DIY Session : Sensor Application Development.
- Introduction to Bluetooth & Wi-Fi Communication.
- DIY Session : Project Development using Bluetooth Communication .
- Introduction to Open source IoT cloud and end device.
- Hands-On : Open source IoT cloud and end device.
- DIY Session : Project Development using Wi-Fi Communication.
- Hands-On : Data collection and visualization for real-time systems.
- DIY Session : Real time data monitoring application development.

Total Number of Participants: 52 Students



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## Department of Electronics and Communication Engineering



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#14, Ramohalli Cross, Kumbalgodu Post, Mysore Road, Bangalore – 560 074.

An Autonomous Institute Affiliated to VTU, Belagavi, Approved by AICTE and UGC, New Delhi



Chief Patron

**Dr. A.C. Shanmugam**

B.A. LLB, FIMSA, FRCPS (Glasgow, UK)

Founder Chancellor & Chairman

RajaRajeswari Group of Institutions

*Two Days hands on Training on*

## IoT On-site Workshop

*Organized by*

**Dept. of Electronics & Communication  
Engineering**



Co-Patron

**Sri. A.C.S Arun Kumar**

B.Tech (Hons.), LMISTE., MIET.,(UK), LMCSI,  
MIEE, MCSI, MISTE, CEng (India)

President

RajaRajeswari Group of Institutions



Resource Person

**Mr. Dhinakar.L**

lobiT Solutions



Resource Person

**Mr. Sreedhara**

lobiT Solutions



**Date:** 7<sup>th</sup> - 8<sup>th</sup> Nov 2024 **Time:** 8:30AM - 4:00PM **Venue:** 4<sup>th</sup> Floor, Seminar Hall

**Dr. S.Vijayanand, M.Tech., Ph.D**

Executive Director, RRG I

**Sri. C.N.Seetharam, IAS (Retd.)**

Chief Executive Officer, RRG I

**Prof. Dr.S.Jeyabalan., M.E., MBA, Ph.D**

Special Officer, RRG I

**Dr. A.K.Mariyappan**

Rector, ACSCE

**Dr. Balakrishna R**

Principal, RRCE

**Dr.Amutharaj J**

Vice Principal, RRCE

**Dr.Usha S**

Dean (R & D)

**Dr.Rangaigh L**

Dean (Academics)

**Dr.S.Jagannathan**

Dean (Corporate Affairs)



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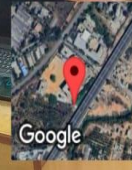
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## Department of Electronics and Communication Engineering



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