



# 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



## Department of Computer Science & Engineering [IoT, Cybersecurity including Blockchain Technology]



### RAJARAJESWARI COLLEGE OF ENGINEERING



#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 Students Development Program on*

## Internet of Things(IOT)

*Organized by*

**Dept. of Computer Science & Engg.**

(IoT, Cybersecurity including Blockchain Technology)



Co-Patron

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

B.Tech (Hons.), LMISTE., MIET., (UK), LMCSI.,

MIEEE, MCSI, MISTE, CEng (India)

President

RajaRajeswari Group of Institutions



Resource Person

**Mr. Dhinakar.L**

lobiT Solutions



Resource Person

**Mr. Sreedhara**

lobiT Solutions



**Date:** 28<sup>th</sup> - 29<sup>th</sup> Oct 2024 **Time:** 8:30AM - 4:00PM **Venue:** 1<sup>st</sup> Floor, Seminar Hall

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

Executive Director, RRG

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

Chief Executive Officer, RRG

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

Special Officer, RRG

**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)

**Campus:** #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru – 560074

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**TWO DAYS STUDENT  
DEVELOPMENT PROGRAM  
ON  
“INTERNET OF THINGS”  
FOR FIFTH SEMESTER STUDENTS**

**OCTOBER 28TH & 29TH , 2024**  
**VENUE**  
**FIRST FLOOR SEMINAR HALL**

**PRINCIPAL**  
**DR.R.BALAKRISHNA**

**HOD**  
**DR.SHASHIDHAR V**

**VICE PRINCIPAL**  
**DR.J.AMUTHARAJ**

**COORDINATOR**  
**ALL FACULTY MEMBERS**

  
Resource Person  
**MR. DHINAKAR.L**  
**IOBIT SOLUTIONS**

  
Resource Person  
**MR. SREEDHARA**  
**IOBIT SOLUTIONS**

**CETCODE: E145**  
**Contact: +91-90088-45678**  
**E-Mail: admission@rrce.org**

**COMED-K: E099**

**PGCET: T858**  
**Ph: 8028437124 /7375**  
**Website: www.rrce.org**

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### Report of event for Student Development Program on “Internet of Things”

Name of the Department: Dept. of CSE [IoT, Cybersecurity including  
Blockchain Technology]

1. **Type of Event:** Event on “Internet of Things”
2. **Venue:** Room 107, 1<sup>st</sup> Floor, RRCE, Bangalore
3. **Date & Time:** 28.10.2024 and 29.10.2024 9.30AM to 4.00PM
4. **Resource Person:** **Mr. Dhinakar.L, IobiT Solutions**  
**Mr. Sreedhara, IobiT Solutions**
5. **Staff Coordinators:** All the Staff Members
6. **Students attended:** 5<sup>th</sup> Semester (64 students)
7. **Outcome of the Programme:**

#### SDP Objectives:

- To enhance the technical skills in Internet of Things domain
- Make the awareness about modern Internet of Things tools and methodologies
- Get the knowledge in current Internet of Things research domain and its application
- Impact professional practice relevant to technical education.
- Channelize the development with respect to academic qualifications and training to develop the project prototypes.

#### SDP Outcomes:

On completion of SDP the Students will be able to,

1. The SDP provides a platform for students to enhance their skills and integrate in advanced IoT concepts into their fundamental courses.
2. Build real time projects to contribute towards the Internet of Things.



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3. By the end of the "Internet of Things (IoT) Developer" course, students will possess advanced proficiency in identifying and troubleshooting electronic components, operating measurement devices, and assembling circuits using breadboards and veroboard.
4. They will have mastered soldering, de-soldering, and PCB troubleshooting techniques essential for electronics development. In IoT, students will demonstrate expertise in microprocessor and microcontroller programming with Arduino using embedded C, effectively interfacing with sensors and actuators to develop sophisticated IoT projects like smart streetlights, home automation systems, and digital locks.
5. Moreover, students will leverage the Raspberry Pi for IoT applications, becoming proficient in Python programming, sensor and actuator integration, and overall system development, preparing them for careers in IoT development and innovation.



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(A)



(B)

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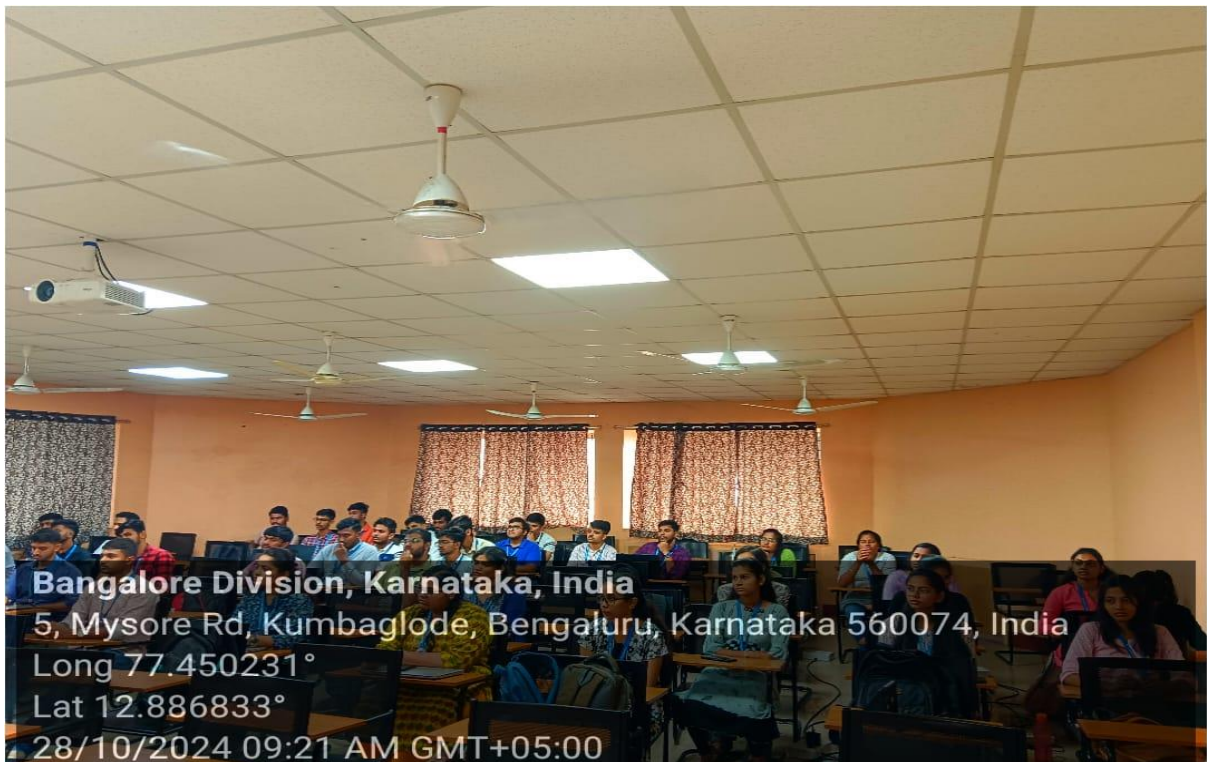
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(C)



(D)

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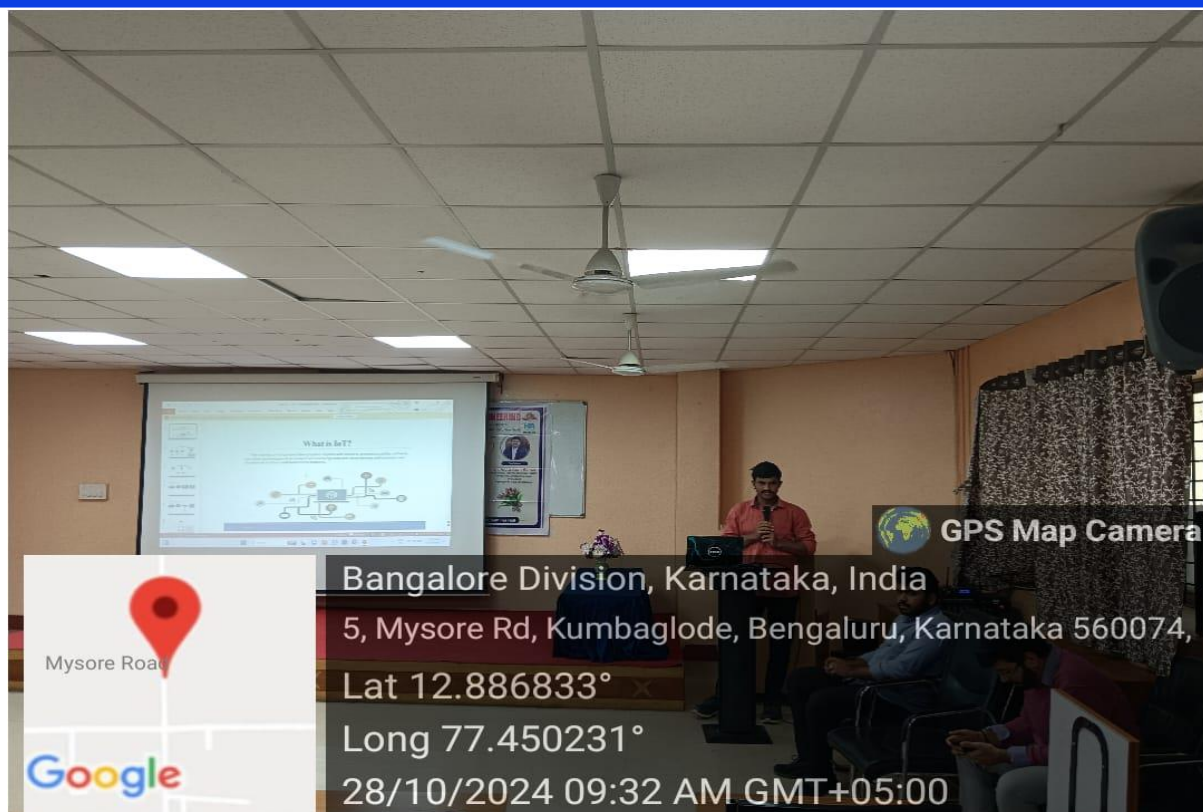
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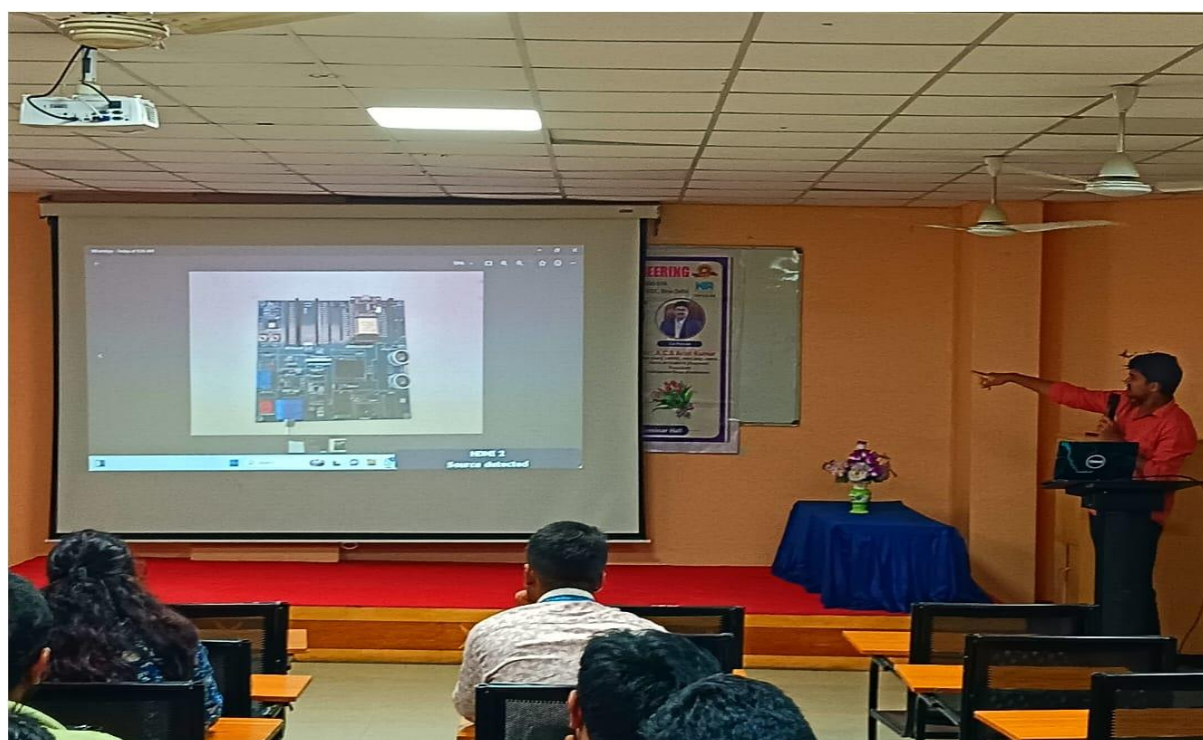
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(E)



(F)

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(G)



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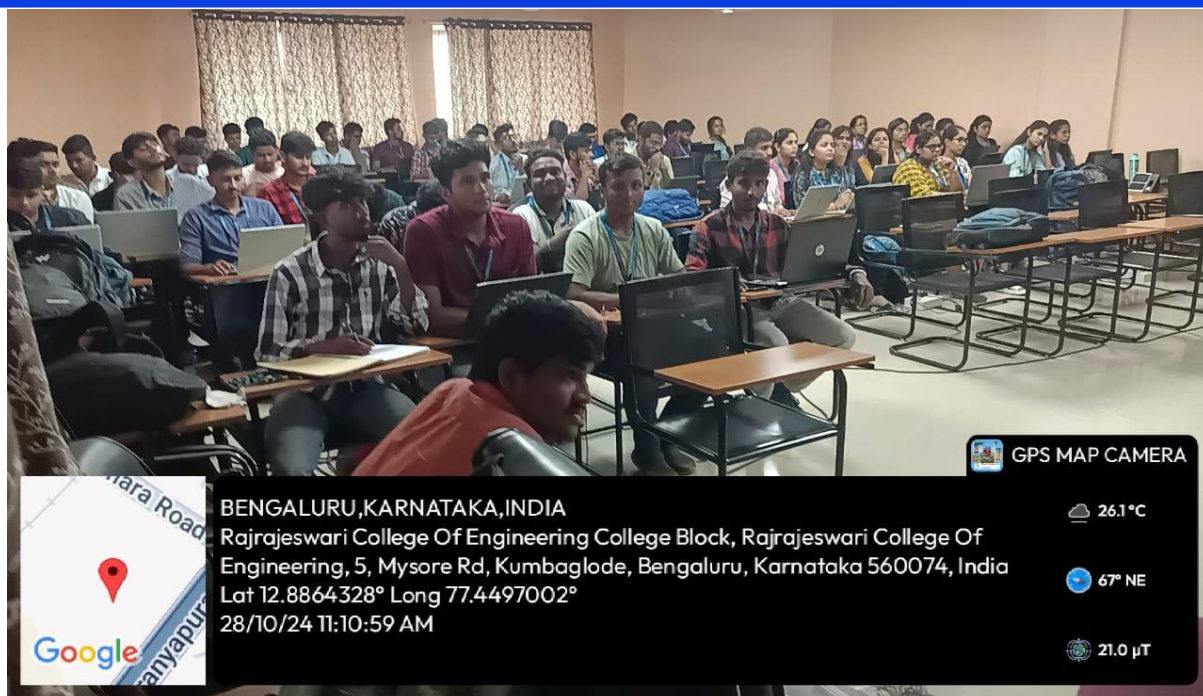
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## Department of Computer Science & Engineering [IoT, Cybersecurity including Blockchain Technology]



(I)



(II)

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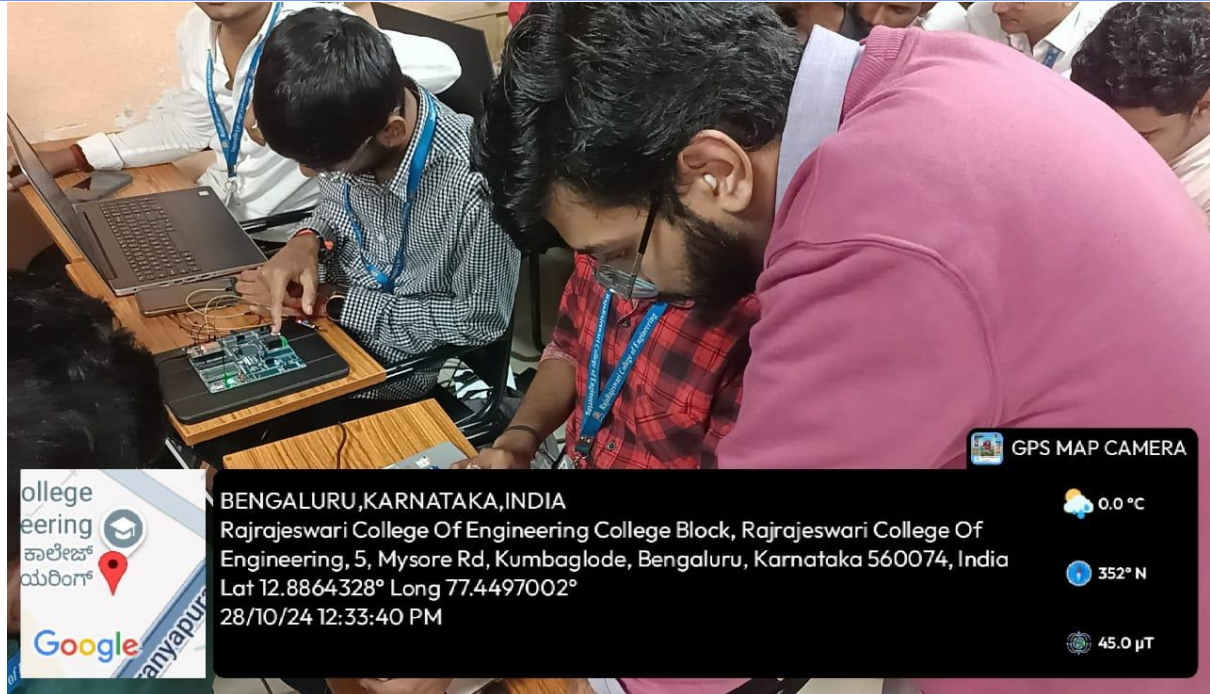
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## Department of Computer Science & Engineering [IoT, Cybersecurity including Blockchain Technology]



(K)



(L)

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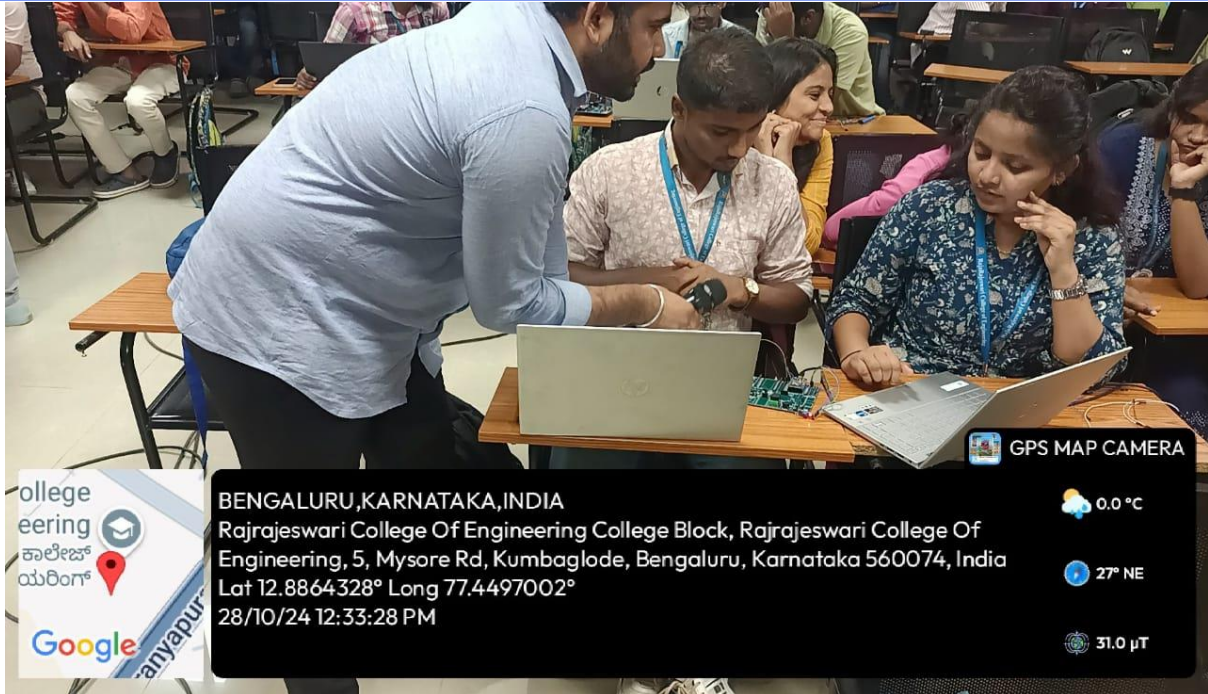
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(M)



(N)

The Figures (A), (B), (C), (D), (E), (F), (G), (H), (I), (J), (K), (L), (M), (N) are samples of SDP photos in presence of Dr. R.Balakrishna-Principal, Dr. Shashidhar V-HoD, Mr. Dhinakar.L, Mr. Sreedhara, IobiT Solutions-Resources Person, Faculty members and 5<sup>th</sup> Semester Students

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