

**KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES**

Vinjanampadu (V), Vatticherukuru Mandal, Guntur, Andhra Pradesh-522017

**(AUTONOMOUS)**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING**

Date: 04-03-2023,

To,

The principal,

KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES,

Vinjanampadu,

Guntur -17.

Sub: Requisition for Conduction of Embedded systems using IOT III/II B. Tech –Reg.

Respected Sir,

I bring to your kind notice that III B.Tech., ECE students are interested in doing Embedded systems using IOT through IETE Students Forum (ISF) & IEEE Students Chapter (ISC). In consultation with the ISF & ISC coordinators it is arranged. The program details as mentioned under.

Program details

Mode : Off-line

Date : 6<sup>th</sup> -15<sup>th</sup> March, 2023

Duration : 6 hrs/day

Title : Embedded systems using IOT

Resource Person: M.Purna Kishore(Professor) &

J.Sai Ram(Assistant Professor)

In this connection, I am requesting you to provide permission for conducting the program.

Thanking You,

Yours Sincerely,

**KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES**

Vinjanampadu (V), Vatticherukuru Mandal, Guntur, Andhra Pradesh-522017

**(AUTONOMOUS)**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING**

Date: 25-02-2023,

To,

The Principal,

KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES,

Vinjanampadu,

Guntur -17.

Sub: Requisition for food and accommodation for resource person –Reg.

Respected Sir,

I bring to your kind notice that the department conducting Embedded systems using IOT workshop for III B.Tech., ECE students through IETE Students Forum (ISF) & IEEE Students Chapter (ISC).

In consultation with college coordinator and ISF & ISC coordinators it is arranged during 6<sup>th</sup> - 15<sup>th</sup> March, 2023 In this connection, I am requesting you to provide food and accommodation for the trainers.

Thanking You,

Yours Sincerely



HOD - ECE

# **KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES**

Vinjanampadu(V), Vatticheruku Mandal, Guntur, Andhra Pradesh – 522017  
(AUTONOMOUS)

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING**

**DATE: 25-02-2023**

### **Embedded systems using IOT**

**INFORMATION SHEET (6<sup>th</sup> -15<sup>th</sup> March 2023)**

**Class: III Year- II Sem**

#### **Speaker Names with qualification & designation:**

1. Dr. M. Purna Kishore, Professor.
2. Mr. J. Sai Ram, Asst. Professor.

#### **Topics Covered:**

**On 06 -03-2023:** Introduction to IoT and Embedded Systems

**On 09 -03-2023:** Embedded Systems Design and Development

**On 10 -03-2023:** IoT Device Development

**On 13 -03-2023:** Cloud Platforms and IoT Applications

**On 14 -03-2023:** IoT Communication Protocols and Networking

**On 15 -03-2023:** IoT Projects and Case Studies



**Signatures of Resource Person**



**HOD, ECE**

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## **KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES**

Vinjanampadu (V), Vatticherukuru Mandal, Guntur, Andhra Pradesh-522017

**(AUTONOMOUS)**

### **DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING**

#### **A One-Week Workshop on Embedded systems using IOT 6<sup>th</sup> -15<sup>th</sup> March 2023**

Conducted by ECE Dept, in association with **IETE Students Forum (ISF) & IEEE Students Chapter (ISC)**.

The Department of ECE organizes One Week offline workshop on “**Embedded systems using IOT**” from **6<sup>th</sup> -15<sup>th</sup> March** by IETE Students Forum (ISF) & IEEE Students Chapter (ISC).

Embedded systems, the unsung heroes of modern technology, are specialized computer systems designed to perform specific tasks. They are the brains behind countless devices, from smartphones and smartwatches to industrial robots and self-driving cars. These systems typically consist of a microprocessor or microcontroller, memory, input/output devices, and specialized software. Their core function is to interact with the physical world, processing data from sensors and controlling actuators to achieve desired outcomes.

The integration of embedded systems with the Internet of Things (IoT) has revolutionized the way we live and work. IoT devices, equipped with sensors, actuators, and wireless connectivity, can collect and transmit data over networks, enabling remote monitoring, control, and automation. Embedded systems play a crucial role in enabling this connectivity, acting as the bridge between the physical world and the digital realm. By leveraging IoT technologies, embedded systems can enhance efficiency, productivity, and quality of life in various domains.

From smart homes to smart cities, IoT-enabled embedded systems are transforming the way we interact with our environment. In healthcare, they monitor patient vitals, automate drug delivery, and enable remote patient care. In agriculture, they optimize irrigation, track livestock, and monitor crop health. In manufacturing, they streamline production processes, improve quality control, and reduce downtime. By harnessing the power of IoT, embedded systems are driving innovation, improving sustainability, and creating a more connected and intelligent world.

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Vinjanampadu (V), Vatticherukuru Mandal, Guntur, Andhra Pradesh-522017

(AUTONOMOUS)

## DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

### WORKSHOP FEEDBACK FORM

1. Name of the speaker :
2. Company/Organization : KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES
3. Program : Embedded systems using IOT
4. Name of the student :
5. Roll No :
6. Date: 06-03-2023 to 15-03-2023

As part of a continuing improvement process, our college appreciates suggestions and inputs regarding the institution. We request you to sincerely answer these questions under assurance of completely and confidentially. Your interest in making our institution better is greatly appreciated. For each item please indicate your level of satisfaction with the following statement by choosing between 1 and 3. (3- Excellent 2- Good 1- Satisfactory)

| S.NO | Particulars  | Yes/No | Excellent<br>(3) | Good<br>(2) | Satisfactory<br>(1) |
|------|--|--------|------------------|-------------|---------------------|
| 1    | Your perception of his/her Knowledge                             |        |                  |             |                     |
| 2    | Communication skills   |        |                  |             |                     |
| 3    | Do you feel the guest lecture was your curriculum related        |        |                  |             |                     |
| 4    | Do you feel the guest lecture was related to advanced technology |        |                  |             |                     |
| 5    | Ability to make the subject relevant to profession and society   |        |                  |             |                     |
| 6    | Are you willing to participate in more no of sessions            |        |                  |             |                     |
| 7    | Do you feel the lecture was Interesting                          |        |                  |             |                     |
| 8    | Overall Opinion  |        |                  |             |                     |

Signature of the Student