



<b>Event Name</b>	<b>Workshop on “Internet of Things and its Applications”</b>
<b>Theme</b>	Practicing Tools for connecting to different devices using IoT, Arduino
<b>Date</b>	22nd Mar 2024 – 23rd Mar 2024(2 days)
<b>Venue</b>	6 <sup>th</sup> floor seminar hall, RVITM Campus

### **Objective of the Program:**

The workshop has been designed with the following objective:

- Provide introduction to Internet of Things (IoT)
- Exposure to various sub-fields and technology stacks of IoT
- Enable people to convert their IoT product idea into a working prototype.
- Provide thorough working knowledge of the Arduino board such as Arduino Uno.
- Bring up entrepreneurs and innovators by supporting them with ideas.

### **Topics Covered:**

- Getting started with IoT.
- Introduction to Arduino
- Connecting to Devices with Arduino.
- Hands-on session in a group of 4 students.
- Conduction of different experiments with Arduino
- Certification

**Day1 22.03.2024**

**9.30 am to 10.00 am**

**Inaugural Function**

The program was started with the Inauguration session. Dr. Latha C A, HoD, Department of ISE started the session with the Welcome address. An invocation song by Ms. Sinchana, a 3rd-semester ISE student, RVITM then followed it. Prof.Krishnamurthy H, Assistant Professor, Dept of ISE gave details about the objectives and the Workshop. Prof.Girish Kumar B C, Assistant Professor, Department of ISE has introduced the chief guest to the session. The Chief Guest of the session Mr. Mahesh Deginal has set the right tone for the program by delivering an Inaugural address to the participants and outlining the importance of the Workshop. Finally, Prof.Krishnamurthy H Assistant Professor, Department of ISE proposed a vote of thanks to the gathering and concluded the Inaugural function.



**Day 1: 22.03.2024**

**10.00 am to 11.00 am**

**Forenoon Session**

**Topic:**

Introduction to IoT

**Resource Person:**

Mr. Mahesh Deginal  
Managing Director, CEO  
Karu Nadu Technologies  
Bengaluru

The following titles are covered in the forenoon session

- What is IoT?
- Why use IoT?
- IoT Features
- Values in IoT
- Advantages of IoT
- Disadvantages of IoT
- Application in IoT



**Day 1: 22.03.2024**

**11.20 am to 12.20 pm**

**Afternoon Session**

**Topic:**

Introduction to Arduino

**Resource Person:**

Mr. Mahesh Deginal

Managing Director, CEO

Karu Nadu Technologies

Bengaluru.

The following titles are covered in the Afternoon session.

- Introduction to Arduino
- Arduino uses
- Configuration of Arduino
- Working on Arduino
- Connecting to Devices with Arduino



**Day 1:22.03.2024**

**1.20 pm to 4.30 pm**

**Afternoon Session**

**Topic:**

Working on Arduino

**Resource Person:**

Mr. Mahesh Deginal  
Managing Director, CEO  
Karu Nadu Technologies  
Bengaluru.

The following titles are covered in the forenoon session.

- The Arduino Platform
- The Arduino Open-Microcontroller Platform
- Arduino Basics
- Arduino Board Layout & Architecture
- Reading from Sensors



**Day 2: 23.03.2024**

**9.30 am to 12.30 pm**

**Forenoon Session**

**Topic:**

Working on a use case using Arduino

**Resource Person:**

Mr. Mahesh Deginal  
Managing Director, CEO  
Karu Nadu Technologies  
Bengaluru.

The following titles are covered in the forenoon session.

- Programming fundamentals
- Arduino Programming & Interface of Sensors
- Interfacing sensors with Arduino
- Programming Arduino



**Day 2: 23.03.2024**

**1.20 pm to 3.30 pm**

**Afternoon Session**

**Topic:**

Students Mini Project demonstration & Other Industry Visualization tools

**Resource Person:**

Mr. Mahesh Deginal  
Managing Director, CEO  
Karu Nadu Technologies  
Bengaluru.

The following titles are covered in the forenoon session.

- Arduino Program Execution
- Students with a group of 4 Members Executed the Projects.
- Feedback from Students
- Certificate Distribution



**Day 2: 23.03.2024**

**3.30 pm to 4.00 pm**

**Valedictory function**

The Valedictory function workshop was organized on Mar 23<sup>rd</sup> 2024, at 3.30 pm. The chief guest of the valedictory function was Dr. Latha C A, HOD department of ISE, RVITM. During the welcome address of the function, the coordinator Prof.Krishnamurthy H informed that the workshop was attended by more than 90 students. The students have given good feedback about this workshop and finally, the coordinator Prof.Girish Kumar B C has given the vote of thanks.



**Coordinators Signature**

**HOD's Signature**