

# About the event:

The Value-Added Program offers hands-on training in the **Internet of Things (IoT)** with a focus on IoT protocols, Sensor interfacing with Arduino, ESP32, Raspberrypi and Wi-Fi/web integration. The program includes **cloud dashboards, Node-RED flow programming, and MQTT communication** for real-time data transfer. Special emphasis is given to **IoT applications in different environments**, especially on medical applications. Learners will also explore **Python programming** on Data Analytics for IoT projects. A practical, project-driven approach ensures industry-ready skills in IoT.

This value-added course, planned to be conducted on week-ends preferably, will equip participants with **Hands-on IoT skills**, bridging theory with real-world applications. With relevant tools and hands-on projects, students gain **job-ready expertise for diverse IoT applications**.

## Lectures Scheduled:

- Introduction to IoT.
- Interfacing sensors with Cloud.
- Node-RED with use-cases.
- Data Analytics – Python
- IoT projects in different environments.

## Mode: Blended mode

**Offline Venue: TT 603**

**Time: 9.30:00 AM to 12:30 PM**

**Online Platform: Microsoft Teams**

**Time: 07:30 PM to 09:30 PM**

## Registration Link:

(Last Date: 26<sup>th</sup> September 2025)

<https://events.vit.ac.in/>

## Advisory Committee:

**Dr. M. Jasmin Pemeena Priyadarisini**

Professor and Dean,  
School of Electronics Engineering (SENSE),  
Vellore Institute of Technology, Vellore, India.

**Dr. D. Kannadasan / HoD**

Department of Communication Engineering,  
SENSE, VIT Vellore.

**Dr. S. Sundar / HoD**

Department of Embedded Technology,  
SENSE, VIT Vellore.

## Coordinators:

**Dr. K.C. Sriharipriya**, Associate Professor

**Dr. J. Christopher Clement**, Professor

**Dr. G. Sumathi**, Assistant Professor

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## Resource Persons from:

Vellore Institute of Technology, Vellore

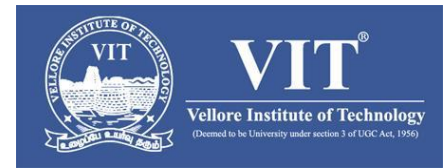
Vellore Institute of Technology, Chennai.



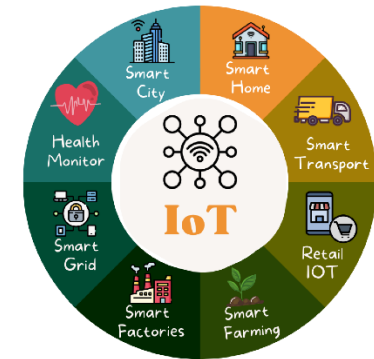
## Registration fees for Participants

**UG / PG Students : Rs. 300/-**

**Research Scholars : Rs. 500/-**



# Value Added Course on VAC2355: Internet of Things



**27<sup>th</sup> September 2025 to  
10<sup>th</sup> November 2025**

**Organized by  
Department of  
Communication Engineering  
&  
Department of Embedded  
Technology**

**School of Electronics Engineering  
(SENSE)  
Vellore Institute of  
Technology, Vellore**

Sessions are planned to be conducted during the Week-ends and evenings (according to flexible timings of students).  
Special Consultation with Industries for developing own projects.