

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

Registration QRCode:



About the event:

IoT-AP is a 30 hours offline Value-Added Course organized by the Department of Communication Engineering and Embedded Technology, School of Electronics Engineering, Vellore Institute of Technology showcasing the state-of-the-art and applications of Internet of Things in Healthcare, through talks by faculty members of SENSE. This value-added course is aimed at providing the participants with a glimpse of contemporary as well as disruptive developments in the fields of IoT, leading the path to motivate and enlighten the next generation of Industry for enabling automation, real-time data analysis, and remote control to improve efficiency, safety, and decision-making. The target audiences are research scholars, postgraduate and undergraduate students working in the areas of Internet of things, Embedded Technology and so on.

Eligibility: UG / PG/ Ph.D Students of VIT.

Topics Scheduled:

IoT architecture for medical systems

Use cases: Remote patient monitoring, smart wearables, hospital automation

Arduino and Raspberry Pi Fundamentals

Communication Protocols in IoT

Security & Ethics in Healthcare IoT

IoT Wired and Wireless Protocols

IoT Wireless Technologies

MQTT Protocol

Hands On:

Arduino Uno Basics

Raspberry Pi Fundamentals

Cloud Platforms for Healthcare IoT

MQTT-based Sensor Data Transmission

Advisory Committee:

Dr. Jasmin Pemeena Priyadarsini M

Professor HAG and Dean,
School of Electronics Engineering, Vellore Institute of Technology, Vellore, India.

Dr. Kannadasan. D

Professor Grade 1 & HOD
Department of Communication Engineering,

Dr. Sundar. S

Associate Professor Sr. & HOD
School of Electronics Engineering,
Vellore Institute of Technology, Vellore, India.

Coordinators

Dr. S. Rajalakshmi, Asst Professor (Sr)

Dr. N. Sangeetha, Asst Professor (Sr)

Department of Communication Engineering,
Department of Embedded Technology
School of Electronics Engineering,
Vellore Institute of Technology, Vellore – 632 014.

Contact Numbers:

+91-9894283831, +91-8838337267,

Mail ID: srajalakshmi@vit.ac.in,

nsangeetha@vit.ac.in

Mode: Offline

Time: 6.30 PM to 8:30 PM

Registration Fee: 300 Rs (including GST)

Last date for registration: 04.01.2026

Note : *E-certificates will be given to participants with minimum 80% attendance and 60% score in assessment/quiz*



Value Added Course

on

**IoT in Healthcare: Applications
and Hands-on Practice
(IoT-AP)**

January 5th to March 16th 2026

Organized by

Department of Communication

Engineering &

Department of Embedded Technology

School of Electronics Engineering

Vellore Institute of Technology, Vellore.

Tamil Nadu, India.

