

ABOUT SENSE

The School of Electronics Engineering (SENSE) at VIT was established with the objective of imparting state-of-the-art knowledge in Electronics and Communication Engineering and its allied disciplines. The School is equipped with well-established laboratories featuring advanced infrastructure in the domains of Electronics, Communication, VLSI, Embedded Systems, Sensors, and Nanotechnology. The faculty members are actively engaged in research and development activities and are involved in sponsored research projects funded by reputed government agencies such as DRDO, ISRO (RESPOND), and DST.

ABOUT THE EVENT

IoT-AP is a 30-hour offline Value-Added Course organized by the Department of Communication Engineering and Embedded Technology, School of Electronics Engineering, Vellore Institute of Technology (VIT). The course introduces state-of-the-art IoT technologies and healthcare applications through expert lectures by SENSE faculty members. It focuses on emerging IoT developments, automation, real-time data analytics, remote monitoring, and intelligent decision-making for improving efficiency and safety. The course is intended for research scholars, postgraduate and undergraduate students interested in IoT, Embedded Systems, Healthcare Technology, and related areas.

COURSE CONTENT

- 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: Sessions

Blended Learning

WHO CAN ATTEND

This course is open to UG, PG students and Research Scholars of VIT.

REGISTRATION FEE

Rs. 300 /- (including GST)

REGISTRATION LINK

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

ADVISORY COMMITTEE

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This Course is aligned with the following SDGs



VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

VALUE ADDED COURSE

on

**IoT in Healthcare: Applications
and Hands-on Practice
(IoT-AP)
(VAC2414)**

1, Dec., 2026 ~ 26, Feb., 2027

(30 Hrs.)

Organized by

Department of Embedded Tech.,



**Department of Communication Eng.,
School of Electronics Engineering
Vellore Institute of Technology
Vellore - 632014**

