



VIT⁰⁰

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

Virtual Workshop on Raspberry Pi Programming with Python



Raspberry Pi

Organized by School of Computer Science and Engineering
VIT Chennai



July 27th, 28th & 29th 2022 (Online sessions)

10 a.m. - 1 p.m.

Registration Fee: Rs.200

1. Installation of OS and Setting up Raspberry Pi
2. Interfacing LED/Buzzer/ Push button with Raspberry Pi
3. Interfacing Digital sensors (IR/LDR) with Raspberry Pi
4. Retrieving temperature/humidity from sensors with Raspberry Pi
5. Interfacing motor using relay with Raspberry Pi
6. Interfacing smart phone with Raspberry Pi via bluetooth
7. Connecting Raspberry Pi with thingspeak cloud
8. SQLite3 database on Raspberry Pi and perform basic SQL queries
9. Publishing temperature data to MQTT broker
10. M2M communication with Raspberry Pi

*Hands On Session will be given to all the students in Lab in the month of August based on free slots



E-Certificate will be issued after an assessment

<https://forms.gle/v1jvqygS6m4ifjGa6>

REGISTRATION



Faculty Coordinators

Dr.R.Radha & Dr.R.Vedhapriyavadhana

