

Embedded Systems Workshop

Techfest is the annual science and technology festival of IIT Bombay. Following is the basic outline of the workshop that would be happening at **Techfest, IIT Bombay**.

Session 1

Introductory Session

Introduction of Embedded Systems

Embedded Devices and IoT

Role of IoT In various fields

Applications of IoT

Session 2

Architecture Session

Architecture of IoT

Architecture of NodeMCU

Arduino IDE and Configuring for NodeMCU

Session 3

IoT Devices Session

Interfacing I/O Devices with NodeMCU

Connecting NodeMCU with Wifi Gateway.

Server & Client Configuration



Session 4

Cloud Session

Introduction to Thingspeak

Collecting Sensor Data on Thingspeak cloud

Send Data from NodeMCU to the webpage

Note:

Hardware practical sessions will be delivered using pre-recorded videos along with live explanations by the instructor.