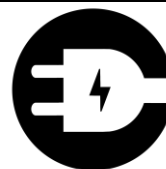




# CURRENT

T w e n t y



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## **INTERNET OF THINGS CHALLENGE**

### **General rules:**

1. You can have a maximum of 2 members per team.
2. Malpractice shall lead to disqualification.
3. The judge's decision is final and binding.
4. Internet resources can be used for reference however, plagiarism is strictly prohibited.
5. Participants are required to bring their own components.

Suggested components:

1. Arduino UNO
  2. ESP 12 Wi-Fi Module
  3. 5 V Relays( at least 3)
  4. IR sensor ( at least 2)
  5. LDRs
  6. Resistors ( can be of various values)
  7. Thermistors
  8. LEDs
  9. Breadboard
  10. Connecting wires and jumper wires
  11. 9 V batteries
  12. 7805 Voltage Regulator
6. Participants must bring their own laptops with relevant software installed.

### **Format of the event:**

1. The problem statement for the event will be release at the start of the event.
2. The participants will be given half an hour to ideate and 1.5 hours to design the module.
3. Points will be awarded for creativity, coding and output.

**Disclaimer:** For those who have registered for the IOT workshop, the components will be provided at the workshop. The problem statement will be similar to the one taught in the workshop. To register, visit [currents.nitt.edu](http://currents.nitt.edu).