



# IoT Workshop – Full Day Schedule



## Morning Session

- 9:00 AM – 9:15 AM → Registration & Welcome
  - 9:15 AM – 10:45 AM → *Introduction to IoT & Real-Life Applications*
    - IoT concepts & fundamentals
    - Real-world case studies
    - Future scope & career opportunities
  - 10:45 AM – 11:00 AM → Tea / Coffee Break + Team Distribution for Midday Session
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## Midday Session (Parallel Activities)

- 11:00 AM – 12:00 PM →
    - Group A → Project Showcases (*RC Car, Drone, Gate Automation, Cyber IoT, Smart Home*)
    - Group B → Simulation Projects (*Smart Street Light + Weather Station*)
  - 12:00 PM – 1:00 PM →
    - Group B → Project Showcases (*RC Car, Drone, Gate Automation, Cyber IoT, Smart Home*)
    - Group A → Simulation Projects (*Smart Street Light + Weather Station*)
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## Lunch Break

- 1:00 PM – 2:00 PM → Lunch & Networking
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## Afternoon Session (Hands-On Practical)

### Project: Smart Weather & Disaster Management System

- 2:00 PM – 2:15 PM → *Introduction to Hardware & Sensors*
  - ESP8266, DHT11/DHT22, BMP280, Rain Sensor, Soil Moisture, MQ-135
- 2:15 PM – 2:45 PM → *Wiring & Setup (Team-based)*
- 2:45 PM – 3:30 PM → *Coding & Live Data Monitoring*
  - Serial Monitor outputs
  - Cloud dashboard integration
- 3:30 PM – 3:50 PM → *Disaster Scenario Demo*
  - Rain, Flood & Pollution alerts



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- Visual (LED) + Audio (Buzzer) alarms
  - 3:50 PM – 4:00 PM → *Wrap-Up, Feedback Collection, Certificates & Group Photo*
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