

## Summer School on

# *The* **INTERNET of THINGS**



**11 Jun - 19 Jul 2018**

### **Week 1:**

- \* Introduction to IoT
- \* Embedded System in IoT
- \* Difference between Router, Model and Switch

### **Week 2:**

- \* Networking: LAN, WAN, MAN
- \* Programming in Embedded C
- \* Serial Communication

### **Week 3:**

- \* Interfacing with RFID and GSM
- \* HTML, CSS, PHP, Javascript, Database, SQL
- \* ESP 8266 Wifi Interfacing

### **Week 4:**

- \* Data from server to controller and vice-versa
- \* GPRS AT Commands
- \* GPS Interfacing

### **Week 5:**

- \* Basics of R Pi and its Interfacing
- \* Basics of Python
- \* Camera and Wifi Intefacing
- \* Email Tx & Rx by R pi

### **Week 6:**

- Project Work**
- \* Air Monitoring System
- \* Online Load Sharing System
- \* Army Security System

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**Venue: Dronacharya College of Engineering, Guragon**