

IOT FOR WIRELESS SENSOR

SESSION PLAN (6th July 2018 to 12th August 2018)

No	Date	Day	Module	Time
1	6 July 2018	Friday	Overview of IOT Introduction to Cloud Computing IOT Evolution and Arduino IOT in Industrial Internet	9:00am – 5:00pm
2	7 July 2018	Saturday	Understanding IOT Ecosystem IOT Application and Available Platforms Internet of Things (IOT) Platform	9:00am – 5:00pm
3	8 July 2018	Sunday	Maker Kit IOT Programming	9:00am – 5:00pm

WEEK 2				
No	Date	Day	Module	Time
4	13 July 2018	Friday	Application Development MQTT Support Mechanism in IOT Project	9:00am – 5:00pm
5	14 July 2018	Saturday	Basic Sensors, and interfacing Simulation and theory of operation	9:00am – 5:00pm
6	15 July 2018	Sunday	Basic Sensors, and interfacing Simulation and theory of operation	9:00am – 5:00pm

WEEK 3				
No	Date	Day	Module	Time
7	20 July 2018	Friday	Arduino Uno with sensors and interfacing Simulation with practical training (Digital Sensors)	9:00am – 5:00pm
8	21 July 2018	Saturday	Arduino Uno with sensors and interfacing Simulation with practical training (Analog Sensors)	9:00am – 5:00pm
9	22 July 2018	Sunday	Arduino Uno with sensors and interfacing Simulation with practical training (Serial Communication)	9:00am – 5:00pm

WEEK 4				
No	Date	Day	Module	Time
10	27 July 2018	Friday	Nodemcu with sensors and interfacing Simulation with practical training (Digital Sensors)	9:00am – 5:00pm
11	28 July 2018	Saturday	Nodemcu with sensors and interfacing Simulation with practical training (Analog Sensors)	9:00am – 5:00pm
12	29 July 2018	Sunday	Nodemcu with sensors and interfacing Simulation with practical training (serial Interface)	9:00am – 5:00pm

WEEK 5				
No	Date	Day	Module	Time
13	2 August 2018	Thursday	Arduino and nodemcu with local IP and cloud storage (Digital Sensors)	9:00am – 5:00pm
14	3 August 2018	Friday	Arduino and nodemcu with local IP and cloud storage (Analog Sensors)	9:00am – 5:00pm
15	4 August 2018	Saturday	Arduino and nodemcu with local IP and cloud storage (Communication)	9:00am – 5:00pm
16	5 August 2018	Sunday	Arduino and nodemcu with local IP and cloud storage (All combined together)	9:00am – 5:00pm

WEEK 6				
No	Date	Day	Module	Time
17	9 August 2018	Thursday	Raspberry pi Introduction Raspbian jessie Os installation Basic operations	9:00am – 5:00pm
18	10 August 2018	Friday	Raspberry Pi 3 interfacing with sensors	9:00am – 5:00pm
19	11 August 2018	Saturday	Raspberry pi with iot local ip (designing our web server)	9:00am – 5:00pm
20	12 August 2018	Sunday	Raspberry pi 3 with cloud storage and control	9:00am – 5:00pm

Note:

No class session during public holidays.