



Inversion Consultancy LLP

Organizing Entity



SkillForge

Delivery Partner

INTERNET OF THINGS AGENDA

01

Introduction



Introduction to IoT, overview, application and challenges

Class 1 - 1 hour

02

IoT Architecture



Layers of IoT, Approach towards IoT

Class 2 – 1 hour

03

Microcontroller



ATMega 328p, Architecture and Block

Class 3 – 1 hour

04

Arduino



Arduino working and integration of sensors

Class 4 – 1 hour

05

Arduino



Actuators

Class 5 – 1 hour

06

Communication



I2C, SPI, Bluetooth, Wi-Fi, Zigbee, etc

Class 6 – 1 hour



Inversion Consultancy LLP

Organizing Entity



SkillForge

Delivery Partner

INTERNET OF THINGS AGENDA

07

Transfer Protocol



TCP and UDP in details

Class 7 - 1 hour

08

LAN



IoT on LAN Example

Class 8 – 1 hour

09

Cloud



Data acquisition from sensors using https

Class 9 – 1 hour

10

API



Importance of APIs and Data transfer using APIs

Class 10 – 1hour

11

Other Platforms



Things board Project

Class 11 – 1 hour

12

App



Create your own application to send data over the clouds

Class 12 – 1 hour



Inversion Consultancy LLP

Organizing Entity



SkillForge

Delivery Partner

INTERNET OF THINGS AGENDA

13

IFTTT



Google Assistant

Class 13 - 1 hour

14

IFTTT



Telegram

Class 14 – 1 hour

15

MQTT



Introduction and working of MQTT

Class 15 – 1 hour

16

Cumulocity



Accessing Phone Sensors

Class 16 – 1hour

17

Node RED



Introduction and Project on Node RED

Class 17 – 1 hour

18

Major



Major Project Discussion

Class 18 – 1 hour