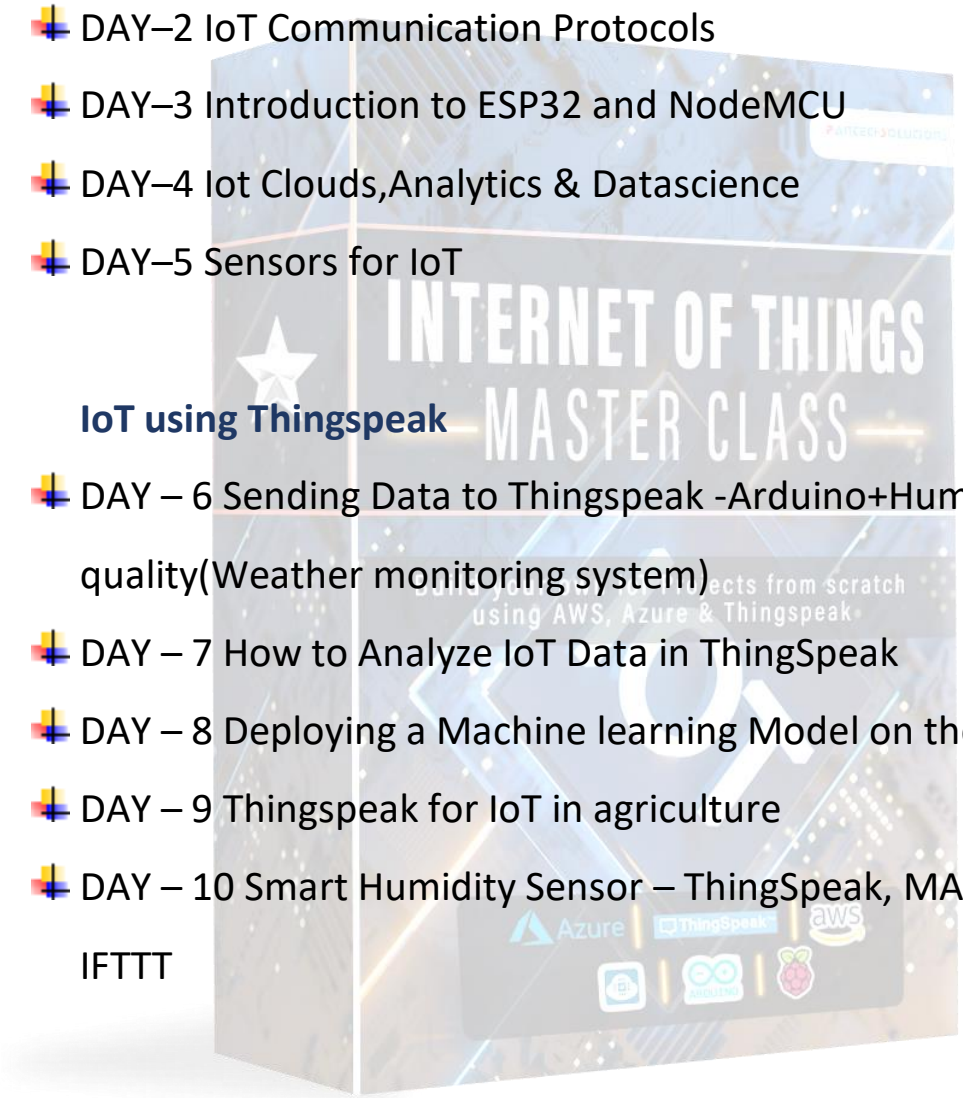
WARRIORS WAY COACHING PROGRAM

IOT MASTER CLASS

IoT Introduction and Architectures

- DAY–1 Introduction to IoT
- DAY–2 IoT Communication Protocols
- DAY–3 Introduction to ESP32 and NodeMCU
- DAY–4 Iot Clouds,Analytics & Datascience
- DAY–5 Sensors for IoT



IoT using Thingspeak

- DAY – 6 Sending Data to Thingspeak -Arduino+Humidity+Air quality(Weather monitoring system)
- DAY – 7 How to Analyze IoT Data in ThingSpeak
- DAY – 8 Deploying a Machine learning Model on the Cloud
- DAY – 9 Thingspeak for IoT in agriculture
- DAY – 10 Smart Humidity Sensor – ThingSpeak, MATLAB, and IFTTT

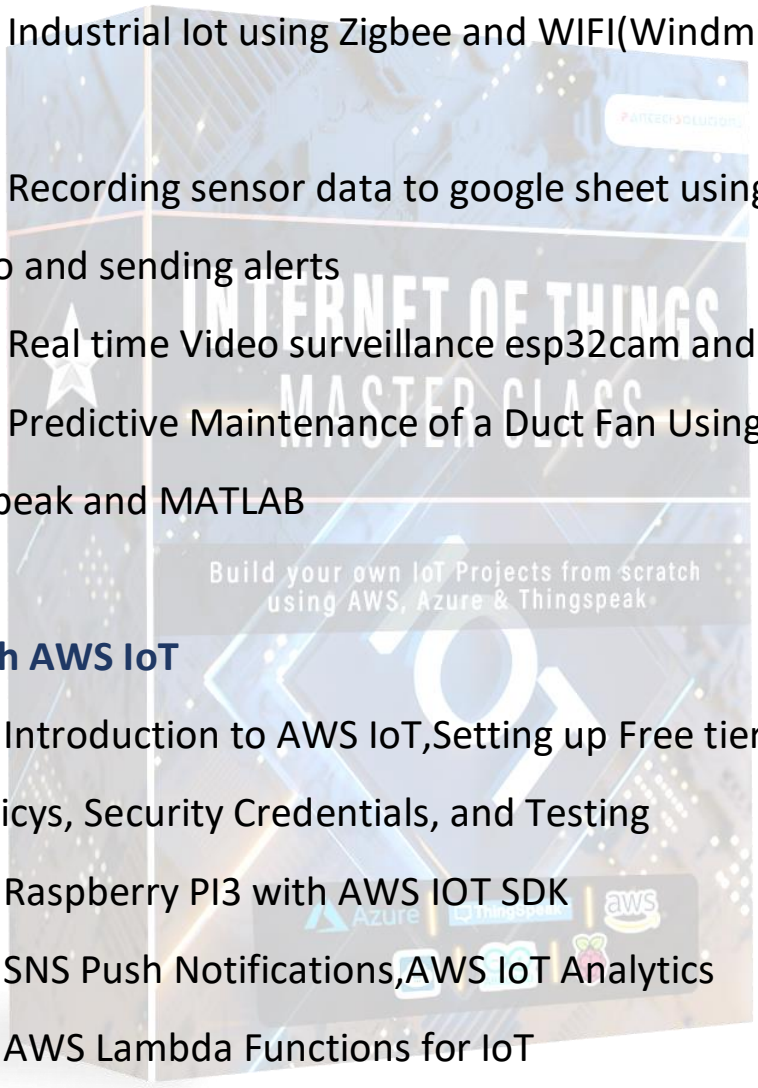
IoT with Microsoft Azure

- DAY– 11 Introduction to IoT with Microsoft Azure
- DAY– 12 Implementing IoT with Azure
- DAY– 13 Edge Computing and Analytics
- DAY– 14 Coginitive services,Computer vision API

- DAY– 15 Weather monitoring station using Microsoft Azure and Arduino

IoT Projects and Case Study

- Day-16 Home automation using Google Assistant
- Day-17 Industrial Iot using Zigbee and WIFI(Windmill case study)
- Day-18 Recording sensor data to google sheet using IFTTT with Arduino and sending alerts
- Day-19 Real time Video surveillance esp32cam and Blynk App
- Day-20 Predictive Maintenance of a Duct Fan Using Nodemcu, ThingSpeak and MATLAB



IoT with AWS IoT

- Day 21 Introduction to AWS IoT,Setting up Free tier AWS, AWS CLI, Policys, Security Credentials, and Testing
- Day 22 Raspberry PI3 with AWS IOT SDK
- Day 23 SNS Push Notifications,AWS IoT Analytics
- Day 24 AWS Lambda Functions for IoT
- Day 25 HTTPs Arduino sketch to AWS IoT Core for the ESP8266 and ESP32
- Day 26 Using Mongoose OS on embedded devices for AWS IoT
- Day 27 Storing data into the Dynamo Database from the AWS IoT control panel

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- Day 28 AWS Quicksight for data analytics and visulizations
- Day 29 AWS Device Shadows and multiple Pub/Sub's
- Day 30 Weather monitoring station using AWS IOT