

# INTERNSHIP-2020 DRAFT

Sl no	concepts	description	hours
Day 1	introduction	Refreshing concepts - c & java	1 hour
Day 2	Objects and classes	What is object and classes ,uses in java	45 min
Day 3	Introduction to python	Python installation, install ide(pycharm,anaconda)	30 min
Day 4	Python programming	Print,input,data types, Lines and Indentation,python strings and multiline strings	1 hour 15 min
Day 5	Python programming	Python booleanas and operators	30 min
Day 6	Python programmings	List tupels dictonaries	1 hour
Day 7	Python programming	Condition statements looping statements function	1 hours
Day 8	Simple project	-	depends
Day 9	python	Array, classes,inheritance ,try and exception	1h 30min
Day 10	Advance python	Introduction to Tkinter and installtion	30 min
Day 11	Advance python	Tkinter widgets,Tkinter geometry	45 min
Day 12	File handling	Reading files,create/writing files,delete files	45 min
Day 13	AWS	Introduction to aws	30 min

Day 14	AWS	How to download file and send file to aws	45 min
Day 15	project	-	
Day 16	IOT	Introduction to raspberry pi, install raspbian os, and basics	45 min
16	IOT	Introduction to iot components	30 min
Day 17	IOT	Introduction to sensors (water, gas, flame, pir)	30 min
Day 18	IOT	Sensors projects (ultrasonic, dht11), Iot cloud application (blynk, ubidots)	1h 30min
Day 19	PROJECT	-	
DAY 20	IOT PROJECT	Controlling lights and fan. Operating open and close door.	1h 30min
Day 21	Home automation	Home automation using telegram and voice recognition using google assistants	1h 30 min
Day 22	IOT with opencv	Camera module, webcam detection, face detection	1h
Day 23	IOT with AWS	Sensor values to cloud and images sending/downloading from cloud	1h
Day 24	IOT with ML	Face recognition,	1h
Day 25	Project	-	