

CMR TECHNICAL CAMPUS
UGC AUTONOMOUS

B. Tech. III Year II Semester, Assignment-I

Subject: Fundamentals of Internet of Things

Date:

Subject Code: 22EC611OE

Max. Marks: 30

Note: Answer all the Questions

5 X 06 = 30 Marks

Q.No	Questions	Marks	CO	BL
UNIT-I				
1	Discuss the main characteristics of IOT.	6M	CO1	L3
2	Explain the Physical Design of IOT.	6M	CO1	L3
UNIT-II				
3	Explain the a) Concept of M2M communication b) Interoperability in IOT.	6M	CO2	L2
4	Explain the structure of an Arduino program with examples of basic functions like setup() and loop(). Write a basic Arduino program to blink an LED.	6M	CO2	L2
UNIT-III				
5	a).Explain the process of interfacing basic peripherals with Raspberry Pi. b)Explain how IoT is transforming agriculture through precision farming, automated irrigation, and crop monitoring.	6M	CO3	L2

CO-PO & PSO Mapping

CO	CO1	CO2	CO3
PO	3	3	2
PSO	2	3	1

BL–Bloom’s Taxonomy Levels (L1-Remembering, L2-Understanding, L3–Applying, L4–Analyzing, L5–Evaluating, L6- Creating)