RV College of Engineering®
Autonomous Institution Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE New Delhi

Academic Year 2022-2023 (ODD Semester)

USN:

Department of Artificial Intelligence and Machine Learning

Course Code:22EM101 **Date:**
Sem: I **Duration:** 90 Minutes

CIE-I
Introduction to Internet of Things

Answer all Questions

SL. No		Questions	M	BT	CO
1	a)	Discuss the classification of the ubiquitous things.	05	1	1
	b)	Summarize the Intrinsic Characteristics of Internet of Things.	05	2	2
2	a)	Explain the eight layered model of Internet of Things.	05	2	3
	b)	Discuss the different developmental stages of Internet of Things architecture.	05	3	1
3	a)	Explain the different emerging technologies related to Internet of Things.	05	2	2
	b)	Differentiate between two and three layered architectures for Unit Internet of Things.	05	2	2
4	a)	Illustrate the Modified Man Like Nervous system model for Home Automation System.	05	3	1
	b)	Infer the design of Ubiquitous Internet of Things framework for River Navigation Safety System.	05	3	4
5	a)	Discuss three layered architecture of Internet of Things for airport management system.	05	2	4
	b)	Articulate different types of sensors and actuators used in Internet of Things ecosystem.	05	1	1

Course Outcome	
CO1	Apply the knowledge of IoT and related science to solve the engineering problems
CO2	Analyse the applicability of IoT in various application domains
CO3	Design a sustainable solution using IoT with societal and environmental concern by engaging in lifelong learning for emerging technology
CO4	Demonstrate the solutions using various IoT principles by exhibiting team work and effective communication.

M-Marks, BT-Blooms Taxonomy Levels, CO-Course Outcomes

Marks Distribution	Particulars	CO1	CO2	CO3	CO4	L1	L2	L3	L4	L5	L6
	Max Marks	20	15	05	10	20	25	05	-	-	-

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Academic Year 2022-2023 (ODD Semester)

USN:

Department of Artificial Intelligence and Machine Learning

Course Code:22EM101 **Date:**
Sem: I **Duration: 20** Minutes

QUIZ-I
Introduction to Internet of Things

SL. No	Question	M	BT	CO
1	_____is a project in the European Union's Seventh Framework Program to integrate the physical world with the cyber world.	1	1	1
2	_____sensor senses the audio which send out a sound pulse in the inaudible range. The echo from the object is processed.	1	2	2
3	Categorize the types of sensors based on sensed data.	1	1	1
4	Interpret the Man Like Nervous system with the Ubiquitous Internet of Things, reframe the Brain, Spinal Cord & network of nervous system in accordance with Ubiquitous IoT.	1	3	4
5	_____ layer will be the responsible for the data fusion, coding & data management.	1	2	2
6	Identify the Science Category and Supporting Technologies for IoT.	2	2	2
7	Which architecture will provides a software platform with a set of Web services as a service-oriented architecture for Internet of Things?	1	2	3
8	_____organization/enterprise introduced eight layered Ubiquitous IoT model to the world.	1	1	1
9	_____ attribute inter connects Social world, Physical World & Cyber World.	1	2	3

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M-Marks, BT-Blooms Taxonomy Levels, CO-Course Outcomes

Marks Distribution	Particulars	CO1	CO2	CO3	CO4	L1	L2	L3	L4	L5	L6
	Max Marks	3	4	2	1	3	6	1	-	-	-