Register No.



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore - 641 107

AN AUTONOMOUS INSTITUTION



16501 65

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

INTERNAL ASSESSMENT EXAMINATION - 1

IV Semester

B.E., ELECTRONICS AND COMMUNICATION ENGINEERING

190E401–IOT SYSTEM ARCHITECTURE

Regulations 2019

	10 A		Bank thomas a ser				
	Duration Date	: 1 Hours 30 Mi : 16.03.2022	ours 30 Minutes 03.2022 Session : FN Maximum: 50 Marks Answer ALL questions				
			PART A - (5 X 2 = 10 m)	arks)			
Q.No		•	Question		M	CO	BL
1.	List out the	features of IoT.			2	CO-1	L-1
2.	What is the	e function of Sensor?			2	CO-1	L -1
3.	Write abou	t Arduino IDE.			2	CO-!	L -1
4.	Which Pro	gramming Language	is used for Arduino?	<i>.</i>	2	CO-2	L -1
5.		e types of Actuators			2	CO-2	L -1

PART	B -	(2	X	13	= 26	marks))

6.	(a)	Illustrate various IoT sensors and sensing technologies with an example.		13	CO-1	L-2
	(b)	Investigate how the IoT can be utilized in Healthcare Monitoring system.		13	CO-1	L-4
7.	(a)	(i) Discuss the impact of IoT on Society.(ii) Compare and contrast Arduino and NodeMCU		6 7	CO-1 CO-2	L-2 L-2
	(b)	OR Describe about the working of Arduino Uno Board. PART C – $(1 \times 14 = 14 \text{ Marks})$		13	.CO-2	L-2
8.	(a)	Analyze and infer the impact of IoT in Agriculture.		14	CO-1	L-4
	(b)	OR Examine how the analog and digital sensors are interfaced with Arduino.	~	14	CO-2	L-3

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INTERNAL ASSESSMENT EXAMINATION - I

IV Semester

B.E., ELECTRONICS AND COMMUNICATION ENGINEERING

190E401–IOT SYSTEM ARCHITECTURE

Regulations 2019

				TO B				
	Durat Date	tion	: 1 Hours 30 Mi : 16.03.2022	Session : FN Answer ALL questions	Maximum: 50 N	larks	,	
				PART A - (5 X 2 = 10 Question	marks)	M	CO	BL L-1
Q.No				Question		2	CO-1	L -1
1.	List	out the	features of IoT.	0		2	CO-1	L -1
2.	Wha	t is the	function of Sensor	?		2	CO-1	L -1
3.		- h Droc	Arduino IDE. ramming Languag	e is used for Arduino?		2 2	CO-2 CO-2	L -1
4. 5.	Men	tion the	e types of Actuators	s used in Aradina				
				PART B - $(2 \times 13 = 26 \text{ m})$	arks) is with an example.	13	CO-1	L-2
6.	(a)	Illustra	te various IoT sens	PART B - (2 X IS - 20 In sors and sensing technologie OR can be utilized in Healthcare	Monitoring system.	13	CO-1	L-4
					· .	6	CO-1 CO-2	L-2 L-2
7.	(a)	(ii) Co	scuss the impact of mpare and contrast	OR		13		L-2
	(b)	Descri	be about the worki	ing of Arduino Uno Board. PART C – (1 x 14 = 14 N	Aarks)	14	CO-1	L-4
8.	(a)	Analy	ze and infer the im	pact of IoT in Agriculture.		14	co-2	L-3
•	(b)	Exam	ine how the analog	and digital sensors are inter				

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