

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH



PROGRESS REGISTER
Session-2022-2023

Discipline: Computer Science & Engg.


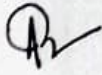

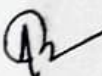

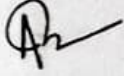
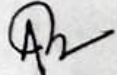
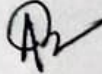

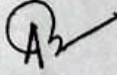

Semester: 6th Subject: IOT.

Name of the Teaching Faculty: ASHIS BEHERA


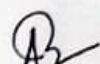
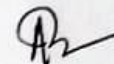

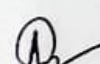



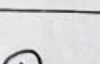
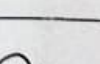
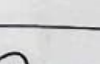
Subject: IOT No. of Days/per week class allotted 04Semester From Date: 14/2/2023 To Date: 23/5/2023 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
14.2.23	Introduction to IOT.	Introduction to IOT	Introduction to IOT.	
16.2.23	Application and Category of IOT.	Application & Category of IOT	Application & Category of IOT	
17.2.23	Connectivity Layer.	Connectivity Layer.	Connectivity Layer.	
20.2.23	Baseline Technology.	Baseline Technology	Baseline Technology	
21.2.23	Sensors and Actuators.	Sensors and Actuators	Sensors & Actuators	
22.2.23	IOT components and Challenges.	IOT components and Challenges	IOT components and Challenges	
23.2.23	IOT Networking	IOT Networking	IOT Networking	
24.2.23	Gateway prefix Allotement.	Gateway Prefix Allotement	Gateway prefix Allotement	
25.2.23	Multihoming, Mobility on Addressing.	Multihoming, Mobility on Addressing	Multihoming, Mobility on Addressing	
27.2.23	Multihoming.	Multihoming	Multihoming	
28.2.23	Data Protocols.	Data Protocol	Data Protocol	










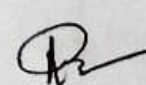

Subject: IOT No. of Days/per week class allotted 04Semester From Date: 14/2/2023 To Date: 23/5/2023 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
2-3-23	Data Protocols	Data Protocol	MQTT.	
3-3-23	Data Protocol	Data Protocol	COAP, XMPP	
4-3-23	IEEE 802.15.4	IEEE 802.15.4	IEEE 802.15.4	
6-3-23	Zigbee Protocol.	Zigbee Protocol	Zigbee Protocol	
9-3-23	6LoWPan Protocol	6LoWPan Protocol	6LoWPan Protocol	
10-3-23	RFID, HART Protocol	RFID, HART. Protocol	RFID, HART Protocol	
11-3-23	NFC and Bluetooth	NFC and Bluetooth	NFC and Bluetooth	
14-3-23	Bluetooth	Bluetooth	Bluetooth	
15-3-23	2-Wave 2 ISA 180.11.9.	2-Wave 2 ISA 180.11.9	2-Wave 2 ISA 180.11.9.	
16-3-23	WSN 2 it's Components.	WSN 2 it's Components	WSN 2 it's Components	
17-3-23	Detection Mode Challenges	Detection Mode Challenges	Detection Mode Challenges	

Subject: IoT No. of Days/per week class allotted 04Semester From Date: 14/2/2023 To Date: 23/5/2023 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
18-3-23	Behaviour of nodes. Social Sensing.	Behaviour of nodes, social sensing	Behaviour of nodes, social sensing	
20-3-23	Application of WSN.	Application of WSN	Application of WSN.	
21-3-23	WSN Coverage.	WSN Coverage.	WSN Coverage.	
23-3-23	WSN Coverage, stationery and Mobile WSN.	WSN Coverage, stationery & Mobile WSN	WSN Coverage, Stationery & Mobile WSN.	
24-3-23	M2M Comm ⁿ .	M2M Comm ⁿ	M2M Comm ⁿ	
25-3-23	- do.	- do.	- do.	
27-3-23	M2M Ecosystem.	M2M Ecosystem	M2M Ecosystem	
28-3-23	M2M Service Platform.	M2M Service Platform	M2M Service Platform	
31-3-23	Interoperability	Interoperability	Interoperability	
4-4-23	do.	- do.	- do.	
6-4-23	Arduino.	Arduino	Arduino	


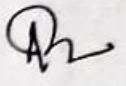
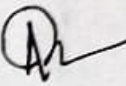
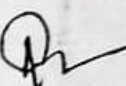

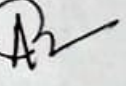
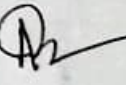
Subject: IOT. No. of Days/per week class allotted 04Semester From Date : 14/2/2023 To Date : 29/5/2023 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (In brief)	Signature of Teacher
7.4.23	Components of Arduino.	Components of Arduino	Components of Arduino	
8.4.23	Arduino IDE	Arduino IDE	Arduino IDE	
11.4.23	Programming in Arduino.	Programming in Arduino	Prog. in Arduino	
13.4.23	Case study	Case study	Case study	
14.4.23	Raspberry Pi	Raspberry Pi	Raspberry Pi	
15.4.23	Raspberry Pi Architecture.	Raspberry Pi Architecture.	Raspberry Pi Architecture	
18.4.23	Pin Configuration of Raspberry Pi	Pin configuration of Raspberry Pi	Pin configuration of Raspberry Pi	
20.4.23	Implementation of IOT in Raspberry	Implementation of IOT in Raspberry Pi	Implementation of IOT in Raspberry Pi	
21.4.23	Case Study.	Case study	Case study	
22.4.23	SDN 2 it's Architecture.	SDN 2 it's Architecture	SDN 2 it's Architecture	
25.4.23	Rule Placement	Rule Placement	Rule Placement	

Subject: IOT No. of Days/per week class allotted 04Semester From Date: 14/2/2023 To Date: 23/5/2023 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
27.4.23	Open flow Protocol	open flow Protocol	open flow Protocol	
28.4.23	Controller Placement	Controller Placement	Controller Placement	
29.4.23	Security in SDN.	Security in SDN	Security in SDN	
2.5.23	Integration of SDN in IOT.	Integration of SDN in IOT	Integration of SDN in IOT	
3.5.23	SMART HOME	Smart Home	Smart Home	
4.5.23	Smart Home Implementation	Smart Home Implementation	Smart Home Implementation	
6.5.23	Home Area Net.	HAN	HAN	
7.5.23	do.	- do.	- do.	
8.5.23	Smart Cities.	Smart Cities	Smart Cities	
9.5.23	IIOT and it's requirement.	IIOT and it's requirement	IIOT and it's requirement	
10.5.23	Design of IIOT	Design of IIOT	Design of IIOT	

Subject: IOT. No. of Days/per week class allotted 04Semester From Date : 14/2/2023 To Date : 23/5/2023 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
11.5.23	Application of IOT.	Application of IOT	Application of IOT	
12.5.23	Benefits and Challenges of IOT.	Benefits and Challenges of IOT.	Benefits and Challenges of IOT.	
13.5.23	Smart home benefits.	Smart home benefits	Smart home benefits	
14.5.23	Smart Cities & it's framework	Smart Cities & it's framework	Smart Cities & it's framework	
16.5.23	Data fusion.	Data fusion.	Data fusion	
18.5.23	Smart Parking	Smart Parking	Smart Parking	
20.5.23	Smart Parking.	Smart Parking	Smart Parking	
23.5.23	Energy mgmt. in Smart Cities.	Energy mgmt. in Smart Cities.	Energy mgmt. in Smart Cities.	