

TITE DIPLOMA,TARABOI,KHURDA
DEPARTMENT OF Computer Science & ENGINEERING
LESSON PLAN

DISCIPLINE:-CSE

SEMESTER:- 6th FROM DATE :-14.02.2023 TO DATE :- 23.05.2023

NAME OF THE TEACHING FACULTY:- Mr. Subhashis Mishra

SUBJECT- Internet Of Things

NO.OF PERIOD/PER WEEK CLASS ALLOTTED:- 4

TOTAL NO. OF CLASS AVAILABLE IN SEM:- 50

SL NO.	WEEK	CLASS DATE	NO. OF CLASS/DAY	TOPICS
1	Week-01	15.02.23	1	Introductio, Characterstics & Application & categories of IOT
		16.02.23	1	IOT Enabalers and connectivity layers
		17.02.23	1	Baseline Technologies, Sensors & Actuators
2	Week-02	20.02.23	1	IoT components & Implementation
		22.02.23	1	Challenges for IOT
		23.02.23	1	Connectivity Technologies
		24.02.23	1	gateway prefix allotment
3	Week-03	27.02.23	1	Impact of Mobility in Adressing
		01.03.23	1	Multihoming
		02.03.23	1	Deviations from regular WEB
		03.03.23	1	IOT Identifications & Data Protocols
4	Week-04	06.03.23	1	Introduction to connectivity Technologies
		09.03.23	1	IEEE 802.15.4
		10.03.23	1	ZigBee, 6LoWPAN
5	Week-05	13.03.23	1	RFID
		15.03.23	1	HART and wireless HART
		16.03.23	1	NFC, Bluetooth, Z wave, ISA100.11.A
		17.03.23	1	Introudction to Wireless Sensor Network, components of sensor node & modes of detection & challenges
6	Week-06	20.03.23	1	Sensor web & Cooperation and Behaviour of Nodes in WSN
		22.03.23	1	Self Management of WSN
		23.03.23	1	Social sensing WSN , Application of WSN

		24.03.23	1	Wireless Multimedia sensor network Wireless Nanosensor Networks Underwater acoustic sensor networks
7	Week-07	27.03.23	1	WSN Coverage Stationary WSN, Mobile WSN
		29.03.23	1	Introduction to M2M Communication
		31.03.23	1	M2M Application
		03.04.23	1	Types of Node in M2M
8	Week-08	05.04.23	1	M2M Ecosystem
		06.04.23	1	M2M service Platform
		10.04.23	1	Interoperability
9	Week-09	12.04.23	1	Features of Aurdino
		13.04.23	1	Components of Arduino Board
		17.04.23	1	Arduino IDE
10	Week-10	19.04.23	1	Program Elements
		20.04.23	1	Case Studies (Traffic Control System)
		21.04.23	1	Introduction to Raspberry Pi and its architecture
		24.04.23	1	Pin Configuration
11	Week-11	26.04.23	1	Case studies (Blinking LED)
		27.04.23	1	Implementation of IoT with Raspberry Pi
		28.04.23	1	Backdraw in current Networking
		01.05.23	1	Origin of SDN & SDN Architecture
12	Week-12	03.05.23	1	Rule Placement, Open flow Protocol
		04.05.23	1	Controller placement
		08.05.23	1	Security in SDN, Integrating SDN in IoT
13	Week-13	10.05.23	1	Origin and example of Smart Home Technologies
		11.05.23	1	Smart Home Implementation
		12.05.23	1	Smart Home Implementation, Smart Home benefits and issues
		15.05.23	1	Characteristics of Smart Cities,Smart city Frameworks
14	Week14	17.05.23	1	Challenges in Smart cities & Data Fusion, Smart Parking, Energy Management in Smart cities

14	week14	18.05.23	1	Industrial IoT requirements, Design considerations & Applications of IIoT
		22.05.23	1	Benefits of IIoT, Challenges of IIoT

