DISCIPLING		LESSON PLAN (SUMMER-2023)	
DISCIPLINE: ELECTRONICS	SEMESTER:	NAME OF THE TEACHING FACULTY: PRAKASH CHANDRA DAS	
AND	6		
TELECOMMUNIC			
ATION			
ENGG.			
SUBJECT:	No. of	Semester From date: 14/02/2023 To date:- 23/05/2023	
INTERNET OF	Days/per	Semester From date: 14/02/2025 TO date: 20/00/2020	
THINGS	week class allotted: 4	No.of Weeks:15	
Week	Class Day	Theory Topics	Chapt
	1st	What is IoT.Architectural Overview,	<u> </u>
1st	2nd	Design principles and needed capabilities,	
	3rd	IoT Applications, Sensing, Actuation,	s
	4th	Basics of Networking, M2M and IoT Technology	1. Introduction to loT
2nd	1st	Fundamentals- Devices and gateways,	ng n
	2nd	Data management, Business processes in IoT	- Po
	3rd	Everything as a Service(XaaS),	II T
	4th	Role of Cloud in IoT, Security aspects in IoT.	+i
3rd	1st	Hardware Components- Computing (Arduino, Raspberry Pi),	
	2nd	Communication, Sensing, Actuation	
	3rd	I/O interfaces	
	4th	Software Components-Programming API's	
4th	1st	Software Components-Programming API's	S O
	2nd	Protocols- MQTT,	2.Elements of loT
	3rd	ZigBee,,	<u> </u>
	4th	Bluetooth,	——————————————————————————————————————
5th	1st	CoAP	7
7.11	2nd	UDP, TCP.	
	3rd	Implementation of Device integration	
	4th	Implementation of Device integration	
ith	1st	Data acquisition and integration	
	2nd	Data acquisition and integration	
	3rd	Data acquisition and integration	Jen
	4th	Device data	g
46	1st	storage- Device data	
'th	150	storage-	)ev
	2nd	Device data	
	2-4	Storage-	— ji
	3rd	Unstructured data storage on cloud/local server	<u>:</u>
6h	4th	Unstructured data storage on cloud/local server	dd
th	1st 2nd	Solution framework for IoT applications Solution framework for IoT applications	— i
	3rd	Authentication, authorization of devices	3. loT Application Development
	3rd	Authentication, authorization of devices  Authentication, authorization of devices	
th	1st	Understanding the IoT Big Picture	

	2nd		
	3rd	Building the Internet of Things	
101	4th	Building the Internet of Things	
10th	1st	Understanding Smart Devices, Building Blocks	4.Smart Technology
	2nd	Understanding Smart Devices, Building Blocks	<del>-</del>
	3rd	Understanding Network Conections	
		Understanding IP Adresses	t
11th	4th	Understanding IP Adresses	E
	1st	Understanding cellular Network & Mesh Network	4.
	2nd	Understanding cellular Network & Mesh Network	
	3rd	Understanding cellular Network & Mesh Network	
12th	4th	What is Smart TV & its use	
	1st	What is inside Smart TV	
	2nd	What is inside Smart TV	
	3rd	What a Smart TV does	<u> </u>
	4th	What a Smart TV does	5. smart
13th	1st	Smart TV Operating Systems	tv
	2nd	Smart TV Operating Systems	
	3rd	What is Smart TV Set-TopDevices	
	4th	Intergrating Smart TV in to IOT	
14th	1st	Intergrating Smart TV in to IOT	
	2nd	smart	
		home	6.IOT
	3rd	smart car	case
	4th	smart cities	
	1 at	smart	studies
	1st	drone	
	2nd	industrial	
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	3rd	industrial	
		automatio n	
		industrial	
	4th	automatio	
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Prakash Chancha Day Signature of Faculty 関立25 H.O.D Principal 2