SAMANTA CHANDRASEKHAR INSTITUTE OF TECHNOLOGY & MANAGEMENT

SEMILIGUDA-764 036, KORAPUT

DEPT. OF CSE [EVEN SEM]
(MAR-23 to AUG-23)

LESSON PLAN AND PROGRESS REGISTER

(To be maintained by all members of the teaching staff)

SESSION 2023

NAME KHALEDA SULTANA.

DESIGNATION ASST. PROF

DEPT. CSE

SIGNATURE

SEMESTER WISE (1st, 3rd, 5th, 7th) TIME TABLE FOR YOUR BRANCH (First Half)
(Mention time for the period, Course No. & Room No.) Degree / Diploma

Period / Days	1st 9.15-10	2nd 10-11	3rd 11-12	4th 12-1	5th 1-2	6th 2-3	7th 3-4	8th	9th	10th
Monday	Karate	OS	DCCN	MPMC	L	OS	DBMS			
Tuesday	OS	DBMS	Tech Sem		U	MPMC	OS			
Wednesday	Eng	MPMC	DBMS	DCCN	N	MP	MC Lab			
Thursday	DBMS	OS	OS Lab		C	DBMS	DCCN			
Friday	DCCN	MPMC	N/W Lab		H	Lib	Sports Bhat			
Saturday	DBMS	OS	DBMS Lab			Sports				

SEMESTER WISE (2nd, 4th, 6th, 8th) TIME TABLE FOR YOUR BRANCH (Second Half)
(Mention time for the period, Course No. & Room No.) Degree / Diploma

Period / Days	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Monday	Karate	E.Comm	IOT	CC	L	CNS	SCA			
Tuesday	CC	CNS	IOT	E.C	U	CC	CNS			
Wednesday	CNS	C	IOT	Lib	N	CNS Lab				
Thursday	S.Eng	ITO	IOT Lab		C	CNS	E.Comm			
Friday	E.Comm	CNS	Project		H	CC	S.B			
Saturday	CNS	E.Comm	IOT	CC		Sports				

This Lesson Plan and Progress Register is to be submitted to the Director for verification and counter signature twice in every semester. The H.O.D. must verify and sign this Register before submission.

COURSES ALLOTED

FOR DIFFERENT BRANCHES & SEMESTER (Degree/Diploma/+2 Science)

Semester	Course No.	Course Title
4th	Th.4	Database Mgt. System
6th	Th.2	Internet of Things

N.B. : Submission of Annual Lesson Plan-cum-Progress Register and performance Report for Assessment are responsibility of each faculty member.

LESSON PLAN

Degree/Diploma/+2 Science (Theory/Pract/Lab/Workshop)

Semester 6th Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
16.2.23	1. Introduct	Introduction	01
21/2	-ion to Internet	Characteristics of IoT	01
22/2	of Things	Applications of IoT	01
23/2		IoT Categories	01
25/2		IoT Enables and Connectivity layers	01
28/2		Baseline Technology	01
1/3		Sensor, Actuator	01
2/3		IoT Components and Implementation	01
4/3		Challenges for IoT	01
6/3	2. IoT	Terminologies	01
9/3	Networking	Gateway Prefix Allotment	01
11/3		Impact of Mobility on Addressing	01
13/3		Multihoming	01
14/3		Deviation from Regular Web	01
15/3		IoT Identification and Data Protocols	01

IOT

PROGRESS

Degree/Diploma/+2 Science (Theory/Pract/Lab/Workshop)

Semester 6th Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
16/2/23	1. Introd	8	What is IoT and How does it work?		
21/2	uction to Internet	8	1. Connectivity 2. Intelligence and Identity 3. Scalability 4. Dynamic and Self Adapt		
22/2	of things	8	Creating better enterprise, Integrating smarter homes		
23/2		6	Industrial IoT (IIoT) Consumer IoT (CIoT) Enterprise IoT (EIoT)		
25/2		5	4 layers of IoT Architect Device layer, Comm layer, etc		
28/2		5	NFC & RFID Low Energy Bluetooth		
1/3		6	Types of sensors Types of Actuator		
2/3		6	IoT Components :- sensors, actuators, Connectivity etc		
4/3		7	Security challenges Design Challenge		
6/3		5	6LOWPAN, Big Data Beacon Technology		
9/3		8	Gateway, functionalities Working, Advantages		
11/3		5	Mobility on Addressing		
13/3		4	Multihoming		
14/3		6	Deviation from Regular Web		
15/3		3	MQTT, AMQP, CoAP, XMPP, HTTP		

LESSON PLAN Degree/Diploma/+2 Science (Theory/Pract/Lab/Workshop)

Semester 6th Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
16.2.23	1. Introduction to Internet of Things	Introduction	01
21/2		Characteristics of IoT	01
22/2		Applications of IoT	01
22/2		IoT Categories	01
25/2		IoT Enables and Connectivity layers	01
28/2		Baseline Technology	01
1/3		Sensor, Actuator	01
2/3		IoT Components and implementation	01
4/3		Challenges for IoT	01
6/3	2. IoT Networking	Terminologies	01
9/3		Gateway Prefix Allotment	01
11/3		Impact of Mobility on Addressing	01
13/3		Multihoming	01
14/3		Deviation from Regular Web	01
15/3		IoT Identification and Data Protocols	01

IOT

PROGRESS Degree/Diploma/+2 Science (Theory/Pract/Lab/Workshop)

Semester 6th Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
16/2/23	1. Introduction to Internet of Things	8	What is IoT and How does it work?		
21/2		8	1. Connectivity 2. Intelligence and Identity 3. Scalability 4. Dynamic and self Adaptive		
22/2		8	Creating better enterprise, Integrating smarter homes		
23/2		6	Industrial IoT (IIOT) Consumer IoT (CIoT) Enterprise IoT (EIoT)		
25/2		5	4 layers of IoT Architect Device layer, comm layer, etc		
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4/3		7	Security challenges Design challenge		
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9/3		8	Gateway, functionalities Working, Advantages		
11/3		5	Mobility on Addressing		
13/3		4	Multihoming		
14/3		6	Deviation from Regular Web		
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LESSON PLAN Degree/Diploma/+2 Science (Theory/Pract/Lab/Workshop)

Semester 6th Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Class Required
18/3	3. Connecting Technologies	Introduction	01
18/3		IEEE 802.15.4	01
20/3		ZigBee, 6LoWPAN	01
21/3		RFID, HART	01
22/3		Wireless HART, NFC	01
23/3		Bluetooth, Z Wave	01
25/3		ISA 100.11.A	01
27/3	4. Wireless Sensor Networks	Introduction	01
28/3		Components of a Sensor node	01
29/3		Modes of Detection	01
3/4		Challenges is WSN	01
4/4		Sensor Web Cooperation and Behaviour	01
5/4		of Nodes in WSN Self Mgt of WSN	01
6/4		Social Sensing WSN	01
8/4		Application of WSN	01

PROGRESS Degree/Diploma/+2 Science (Theory/Pract/Lab/Workshop)

Semester 6th Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
17/3	3. Connecti vity Techno logies	4	IoT Connectivity 2G, 3G, 4G, 5G		
18/3		4	IEEE 802.15.4 Technology		
20/3		4	ZigBee Specification Requirements of Elements		
21/3		6	About RFID HART Communication		
22/3		6	Wireless HART Types of NFC		
23/3		6	Bluetooth Architecture Z-Wave Works		
25/3		5	ISA 100.11.A		
27/3	4. Wireless	6	WSN Appln, challenges WSN - Components of WSN		
28/3	Sensor N/ws	6	Sensor, Controller, Transceiver		
29/3		6	Intrusion Detection in IoT		
3/4		7	Challenges of WSN		
4/4		5	Sensor Web coperation & Behaviour		
5/4		5	of Nodes in WSN Self Mgt of WSN		
6/4		6	Social Sensing WSN		
8/4		5	IoT, Surveillance and Monitoring		

LESSON PLAN

Degree/Diploma/+2 Scien
(Theory/Pract/Lab/Worksho

Semester 6th Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
10/4		Wireless Multimedia Sensor Network	01
11/4		Wireless Nanosensore Networks	01
12/4		Underwater acoustic Sensor Networks	01
13/4		WSN Coverage	01
15/4		Stationary WSN, Mobile WSN.	01
17/4	5. M2M	M2M Communication	01
18/4	Communi cation	M2M ECOSYSTEM	01
19/4		M2M Service Platform	01
20/4		Interoperability	01
24/4	6. Programming with Arduino	Features of Arduino	01
25/4		Components of Arduino Board	01
26/4		Audiuno IDE	01
27/4		Case Studies	01
31/4	7. Programm ing with Raspberry Pi	Architecture and Pin Configuration	01
1/5		Case Studies	01

PROGRESS

Degree/Diploma/+2 Science
(Theory/Pract/Lab/Workshop)

Semester 6th Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
10/4		3	Internal Structure of the Multimedia sensor node		
11/4		5	Nano-nodes Nano-routers Nano-micro interface		
12/4		6	Underwater acoustic Sensor Networks		
13/4		6	Coverage in Wireless Sensor Networks		
15/4		7	Difference Between Stationary WSN and Mobile WSN		
17/4	5. M2M	6	IoT and M2M Features of M2M		
18/4	Commu nicati on	7	M2M Ecosystem		
19/4		4	Smart home meters Vehicle telemetry Service		K
20/4		3	M2M Service Platform		
24/4	6. Progra mming with	5	Interoperability		
25/4		6	Features of Arduino		
26/4	Arduino	3	Microcontroller, Digital Pins, Analog Pins etc		
27/4		6	Audiuno IDE 2.0 documentation		
30/4	7. Progra mming with Raspberry pi	7	H/W, S/W, Arduino UNO		
1/5		5	GPIO Pinout, voltages, outputs		

LESSON PLAN

Degree/Diploma/+2 (Theory/Pract/Lab/Workshop)

Semester 6th Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Class Required
2/5		Implementation of IoT with Raspberry Pi	01
3/5	8. Software Defined Networking	Limitation of Current Network	01
4/5		Origin of SDN	01
6/5		SDN Architecture	01
8/5		Rule Placement Open flow Protocol	01
9/5		Controller Placement	01
11/5		Security in SDN	01
13/5		Integrating SDN in IoT	01
15/5	9. Smart Homes	Origin and examples of Smart Home Technologies	01
16/5		Smart Home Implementation	01
17/5		Home Area Network (HAN)	01
18/5		Smart Home Benefits and issues	01
20/5	10. Smart Cities	Characteristics of Smart Cities	01
22/5		Smart City Frameworks	01
23/5		Challenges in Smart Cities	01

PROGRESS

Degree/Diploma/+2 Science (Theory/Pract/Lab/Workshop)

Semester 6th Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
2/5		4	Internet, Sensor, Actuator system, DHT		
3/5	8. S/W	3	Limitation of Current Network		
4/5	Defined Nwing	7	Origin of SDN		
6/5		8	SDN Architecture		
8/5		8	Rule Placement Open flow Protocol		
9/5		7	Controller Placement		
11/5		6	Security in SDN		
13/5		5	Integrating SDN in IoT		
15/5	9. Smart	4	Origin and examples of Smart Home Tech		
16/5	Homes	3	Smart Home Implementation		
17/5		7	Home Area Network (HAN)		
18/5		7	Smart Home Benefits and issues		
20/5	10. Smart	8	Characteristics of Smart Cities		
22/5	Cities	8	Smart City Frameworks		
23/5		4	Challenges in Smart cities		