

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

Semester	4 th	Branch	CSE
Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
15/2/23	1.0 Basic Concepts of DBMS	Purpose of Database System	01
16/2		Explain Data abstraction	01
16/2		Database Users	01
20/2		Data Definition language	01
21/2		Data Dictionary Dictionary	01
22/2	2.0 Data Models	Data Independence	01
22/2		Entity Relationship Models	01
23/2		Entity Sets and Relationship sets	01
25/2		Explain Attributes	01
27/2		Mapping Constraints	01
28/2		E-R Diagram	01
1/3		Relational Model	01
2/3		Hierarchical Model	01
2/3		Network Model	01
4/3	3.0 Relational	Relational Algebra	01

LESSON PLAN

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

Semester	4th	Branch	CSE
Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
6/3	Database	Different Operators Select	01
7/3		Project, join	01
9/3		Simple Examples	01
11/3	4.0 Normalization	Functional dependencies	01
13/3	in	1NF, 2NF, 3NF, 4NF	01
14/3	Relational System	4NF, BCNF	01
15/3		Lossless join	01
16/3		Importance of Normalization	01
18/3		Compare First, Second	01
21/3		and third Normal Forms	01
23/3	5.0 STRUCTURED Query Language	Elementary Idea of Query language	01
25/3	ED Query Language	Queries in SQL	01
27/3		Simple Queries to Create	01
28/3		Update, insert in SQL	01
29/3	6.0 Transaction	Idea about transaction Processing	01

Semester	2/16	Branch	CSE	No. of Classes Required
Month & Date	Course No. & Title	Brief note of the topics to be covered		
4/4		Transaction & System Concept		01
5/4		Desirable Properties of transaction		01
11/4		Schedules		01
15/4		Recoverability		01
18/4	7.0	Basic Concepts		01
19/4	Concurren cy Control Concepts	Locks		01
22/4		Live Lock		01
26/4		Dead Lock		01
29/4		Serializability		01
1/5	8.0	Authorization & Views		01
2/5	Security & Integrity	Security Constraints		01
3/5		Integrity Constraints		01
4/5		Discuss Encryption		01

Semester	4th	Branch	CSE DBMS Lab	No. of Classes Required
Month & Date	Course No. & Title	Brief note of the topics to be covered		
	1.	Show the Structure of DEPT - Select all data from DEPT table. Create a query to display unique jobs from the EMP table.		
	2.	Write a query to display the Name and column headings EMP's, Employee, job and hire date, respectively. Run the query.		
	3.	Create a query to display the Name and salary of employees earning more than Rs 2850 save the query and run it.		
	4.	Create a query to display the employee name and depart- ment no. for employee no. 7566.		
	5.	Display the employee name, job and start date of employees hire date bet ⁿ Feb. 20, 1981 and May 1, 1981. Order the query in ascending order of start date.		
	6.	Display the name and title of all employees who don't have a Manager.		

LESSON PLAN

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

Semester	6 th	Branch	CSE	No. of Classes Required
Month & Date	Course No. & Title	Brief note of the topics to be covered		
16/2/23	1.	Introduction		01
21/2	Introduction 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.	Terminologies		01
9/3	IoT	Gateway Prefix Allotment		01
11/3	Networking	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

LESSON PLAN

Degree/Diploma/+2 Scier
(Theory/Pract/Lab/Workshc

Semester	Branch	No. of Classes Required
6th	CSE	
Month & Date	Course No. & Title	Brief note of the topics to be covered
17/3	3.	Introduction
18/3	Connective try Technolo gies	IEEE 802.15.4
20/3		ZigBee, 6 LOWPAN
21/3		RFID, HART
22/3		Wireless HART, NFC
23/3		Bluetooth, 7 wave
25/3		ISA 100.11.A
27/3	4.	Introduction
28/3	Wireless Sensor Networks	Components of a sensor node
29/3		Modes of Detection
3/4		Challenges is WSN
4/4		Sensor Web Cooperation and Behaviour.
5/4		of Nodes in WSN Self Mgt of WSN
6/4		Social Sensing WSN
8/4		Application of WSN

LESSON PLAN

Degree/Diploma/+2 Scier
(Theory/Pract/Lab/Workshc

Semester	Branch		
6th	CST		
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 Nanosensor 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	Communication	M2M ECOSYSTEM	01
19/4		M2M Service Platform	01
20/4		Interoperability	01
24/4	6. Programming	Features of Arduino	01
25/4	with Arduino	Components of Arduino Board	01
26/4		Arduino IDE	01
27/4		Case Studies	01
30/4	7. Programm	Architecture and Pin Configuration	01
1/5	ing with Raspberry Pi	Case Studies	01

LESSON PLAN

Degree/Diploma/+2 Sci
(Theory/Pract/Lab/Works)

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

LESSON PLAN

Degree/Diploma/+2 Scie
(Theory/Pract/Lab/Worksh

Semester 6th

Branch CSE

[illegible]

LESSON PLAN

Degree/Diploma/+2 Sci
(Theory/Pract/Lab/Worksh)

Semester 6th sem Branch DOT Lab

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
12/9/24	IQT	Name of the program	
16/9/24	IQT	Arduino program Startleave	
17/9/24	IQT	Arduino - Data Types	
18/9/24	IQT	Arduino - char array	
19/9/24	IQT	Arduino - Control statement	
23/9/24	IQT	Control - Statement & Description	
24/9/24	IQT	Function Definition	
25/9/24	IQT	Arduino - Overview	
28/9/24	IQT	Arduino board an ATmega 328P microcontroller	
30/9/24	IQT	Word	
02/10/24	IQT	Arduino programming in C	
03/10/24	IQT	Arduino code	