

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LEAD EXPERIMENT LIST [A.Y: 2022-2023]

S.NO	YEAR & SEM	NAME OF THE LAB	LEAD PROGRAMS
1	II-I	Database Management Systems Lab	1. ER Model for Road Way Travels.
			2. Relational Model for Roadway Travel Database.
			3. Normalization for Database Tables.
	II-I	Operating Systems Lab	1. Write a C program to simulate the concept of Dining-Philosophers problem.
			2. Write a C program to implement SRTF CPU Scheduling algorithm.
	II-II	Java Programming Lab	1. JAVA Program to change the host name to its specific IP address.
			2. JAVA Program to validate an email address format.
			3. JAVA Program to print date in different formats.
2	II-II	Python Programming Lab	1. Write a python program to get Date and Time using Threads.
			2. Write a python program for URL Parsing.
	II-II	Software Engineering Lab	1. Draw UML diagrams for credit card processing.
			2. Draw UML diagrams for Online Exam Reservation System.
		Analog and Digital Electronics Lab	1. Characteristics of Zener Diode.

			2. Design and Realization of 8*1 Multiplexer using 2*1 Multiplexer.
3	III-I	Artificial Intelligence Lab	<ol style="list-style-type: none"> 1. Write a program to solve the complicated family tree.
		Computer Networks Lab	<ol style="list-style-type: none"> 2. Write a program to implement conjunction and Disjunction.
		Design and Analysis of Algorithms Lab	<ol style="list-style-type: none"> 1. Write a program to implement stop and wait protocol.
		Design and Analysis of Algorithms Lab	<ol style="list-style-type: none"> 2. Write a program to study about the working of basic networking commands.
		Design and Analysis of Algorithms Lab	<ol style="list-style-type: none"> 1. Rat in a Maze Problem in Java.
		Design and Analysis of Algorithms Lab	<ol style="list-style-type: none"> 2. Ford-Fulkerson Algorithm for Maximum flow problem.
4	III-II	Machine Learning Lab	<ol style="list-style-type: none"> 1. Design a self driving car using Reinforcement learning using Gym Environment.
		Machine Learning Lab	<ol style="list-style-type: none"> 2. Implement chain Modeling Prediction using Deep learning.
		Web Technologies Lab	<ol style="list-style-type: none"> 1. Write a program to check whether the given number is Armstrong or not using PHP SCRIPT?
		Web Technologies Lab	<ol style="list-style-type: none"> 2. Write a program to print Fibonacci series using PHP SCRIPT.
5	IV-I	Data Mining Lab	<ol style="list-style-type: none"> 1. Data preprocessing.
		Internet of Things Lab	<ol style="list-style-type: none"> 1. To interface the ultrasonic sensor with the raspberry pi3 to determine the distance of an object from the sensor.
			<ol style="list-style-type: none"> 2. Blinking of led using Arduino Uno.