Swarnandhra College of Engineering & Technology

Autonomous and recognized under 2(F) and 12(B) by UGC

Recognized by AICTE, permanently affiliated to JNTUK Kakinada

Accredited by NAAC with 'A' Grade (2nd Cycle)

Seetharamapurm, Narsapur – 530280 (Andhra Pradesh)

DEPARTMENT OF INFORMATION TECHNOLOGY

TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods/ Week	Academic Year	Date of commencement
20IT6S01	Artificial Intelligence Lab	VI	IT	3	2024-25	18-11-2024

COURSE OUTCOMES

1	Understand the concept of Artificial intelligence.
2	Apply various search algorithms of artificial intelligence.
3	Apply knowledge representation and reasoning techniques.
4	Understand & apply different types of machine learning and models.

Experiment Number	Experiment	Contact Hours
1	Write a program in prolog to implement simple facts and Queries	3
2	Write a program in prolog to implement simple arithmetic	3
3	Write a program in prolog to solve Monkey banana problem	3
4	Write a program in prolog to solve Tower of Hanoi	3
5	Write a program in prolog to solve 8 Puzzle problems	3
6	Write a program in prolog to solve Traveling salesman problem	3
7	Write a python program to implement simple Chatbot	3
8	Write a python program to implement Breadth First Search Traversal	3
9	Write a python program to implement Depth First Search Traversal	3
10	Write a python program to implement Water Jug Problem	3

11	Write a program to implement Tic-Tac-Toe game using python.	3
12	Write a program to implement Missionaries and Cannibals problem using python.	3
	Cumulative Proposed Periods	36

		Name	Signature with Date
i	Faculty	Mr. Ch R K Raju	
ii	Module Coordinator	Dr. RVVSV Prasad	
iii	Programme Coordinator	Dr. RVVSV Prasad	

Principal