

Vision

To produce globally competitive computer engineers, who are prepared to accept the challenges at professional level, while maintaining the core values.

Mission

- ✓ To create excellent teaching learning environment.
- ✓ To mould engineers with a strong foundation of scientific knowledge and engineering concepts.
- ✓ To enhance the acquired concepts and develop new technology through excellence in research.
- ✓ To assist nation building and elevating the quality of life of the people through leadership in professionalism, education, research and public services.

Programme Educational Objectives (PEO)

- ✓ To educate young aspirants with the fundamentals of engineering and knowledge of latest technologies.
- ✓ To encourage the students to remain updated by pursuing higher degree or certification programs.
- ✓ To assume management and leadership roles to contribute in socio-economic development of the nation.

INDEX

A.Y. 2024-25(EVEN), SEMESTER VI

SUBJECT CODE: 202046702

SUBJECT NAME: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

NAME

ENROLLMENT No

Sr. No	Name of the Experiment	Marks	DATE	Sign
1.	Implement Breadth first search or Depth first search.			
2.	Implement solution of Water Jug problem or 8-puzzle problem using Best First Search or A*.			
3.	Write a program to solve a given cryptarithmic problem.			
4.	Write a program to perform following operation <ul style="list-style-type: none"> • Load the data from file • Find out null and missing value • Handle missing Value using different approach Plot the data using scatter plot, histogram, box plot			
5.	Write a program to implement Linear Regression.			
6.	Write a program to implement k-Nearest Neighbor algorithm to classify the iris data set. Print both correct and wrong predictions.			
7.	Write a program to demonstrate the working of the decision tree based ID3 algorithm. Use an appropriate data set for building the decision tree and apply this knowledge to classify a new sample.e.			
8.	Write a program to classify IRIS data using Random Forest classifier.			
9.	Write a program to classify iris dataset using SVM. Experiment with different kernel functions.			
10.	Build an Artificial Neural Network by implementing the Backpropagation algorithm and test the same using appropriate data sets.			
11.	Write a Program to implement K-Means clustering Algorithm.			
12.	Case study/Project: Implementation of any real time application using suitable machine learning technique.			

A.Y. 2024-25(EVEN), SEMESTER VI
SUBJECT CODE: 202046702

SUBJECT NAME: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Sr. No	List of Assignment(s)	Date	Marks	Signature
1	Assignment I			
2	Assignment II			
3	Assignment III			