

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,
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Lab Sheet III

**ML and Neural Network
*Programming Language: Python***

- 1) To Design and train a perceptron for AND Gate.
- 2) To design and train a perceptron training for EX-OR gate.
- 3) To design and train a perceptron for NOT gate.
- 4) Implement kNN algorithm
- 5) Implement SVM algorithm
- 6) Implement k-Mean algorithm

Extra

- 1) To design and train a perceptron for identifying ODD and EVEN number.
- 2) To create a Bi-directional Associative Memory (BAM) for ID and telephone number.
- 3) To design and train the Hopfield net to map the input vector with the stored vector and correct them.