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MACHINE LEARNING

SYLLABUS

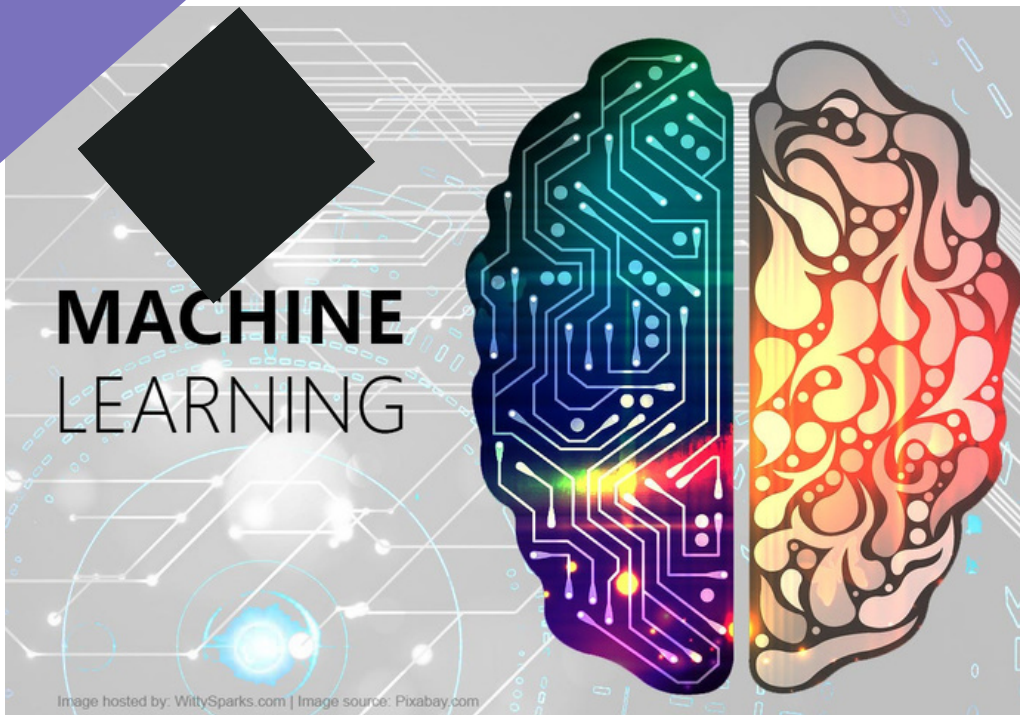
Prepared For :

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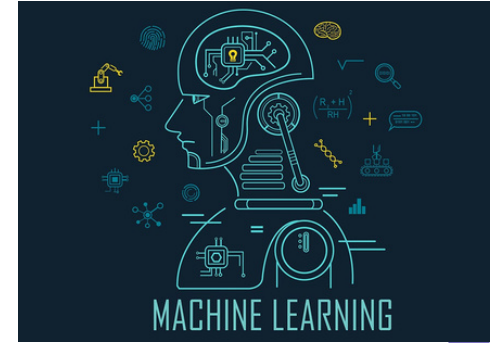
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Course Outline

ABOUT MACHINE LEARNING

- What Is Machine Learning
- Requirement for Machine Learning
- Software Installation for ML
- Some important Python Library
- Different DS, DL & ML
- Application of ML
- Types of ML Algorithms
- Types of ML Algorithms
- Life Cycle Of ML
- Assignments



REGRESSION (SUPERVISED LEARNING)

- Overview
- Linear Regression
- Logistic Regression
- Polynomial Regression
- Stepwise Regression
- Ridge Regression
- Lasso Regression
- ElasticNet Regression

CLASSIFICATION (SUPERVISED LEARNING)

- Overview
- Logistic Regression
- Naive Bayes Classifier
- K-Nearest Neighbor. (KNN)
- Support Vector Machines. (SVM)

ENSEMBLE TECHNIQUE

- Overview
- Decision Trees
- Decision Trees for classification & regression
- Boosted Trees.
- Bagging
- Random Forest



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CLUSTERING(UNSUPERVISED LEARNING)

- Overview
- Types of Clustering Algorithms
- K Means Clustering
- Hierarchical Clustering
- Difference between K Means and Hierarchical clustering
- Applications of Clustering

ASSOCIATION(UNSUPERVISED LEARNING)

- Overview
- Types of Association Algorithms
- Apriori Algorithm
- Eclat Algorithm

PROJECT

