

**Department of Computer Engineering**

**Academic Session 2020-21(Even)**

**6CS4-22 Machine Learning Lab Plan**

**Tool –Google Colab, Anaconda Navigator**

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| **No.** | **Experiments** | **Lab Turn** |
|  | Data Preprocessing | Turn-01 |
|  | Linear Regression | Turn-02 |
|  | Decision Tree Classification | Turn-03 |
|  | Deployment of ML model | Turn-04 |
|  | Naïve Bayes Classification, K nearest neighbor implementation on Google colab with deployment using Flask | Turn-05 |
|  | Support Vector Machine, Random forest algorithm on Google colab with deployment using Streamlit | Turn-06 |
| I Midterm Examination | | |
|  | K-Means Clustering on Google colab with deployment using Flask | Turn-07 |
|  | Hierarchical Clustering on Google colab with deployment using Streamlit | Turn-08 |
|  | Apriori Algorithm on Google colab with deployment using Flask | Turn-09 |
|  | Feature Selection using PCA & on Google colab with deployment using Flask | Turn-10 |
|  | Sentiment Analysis using NLP on Google colab with deployment using Flask | Turn-11 |
|  | Artificial Neural Network using CSV input on Google colab with deployment using Flask | Turn-12 |
|  | Artificial Neural Network –Image Classification on Google colab with deployment using Flask | Turn-13 |
| II midterm Examination | | |