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| Pattern Recognition A.Y. 2022-23 | |
| List of Experiments  Note: All experiments are to be done through python programming and usage of machine learning libraries like mathplotlib, sklearn and tensorflow. | |
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| 1 | To demonstrate use of preprocessing Machine Learning using Python Programming. |
| 2 | To implement Linear Regression on a sample dataset using Python Programming |
| 3 | To implement Polynomial Regression on a sample dataset using Python Programming. |
| 4 | To implement Decision Tree Regression on a sample dataset using Python Programming. |
| 5 | To implement Decision Tree Classification on a sample dataset using Python Programming. |
| 6 | To implement K-Nearest Neighbours Classification on a sample dataset using Python Programming. |
| 7 | To implement K-Means Clustering on a sample dataset using Python Programming. |
| 8 | To implement Hierarchical Clustering on a sample dataset using Python Programming. |
| 9 | To implement Handwritten Character Recognition using Artificial Neural Networks using Python Programming (using tensorflow/keras).To implement Handwritten Character Recognition using Artificial Neural Networks using Python Programming (using tensorflow/keras). |
| 10 | To implement ANN using Python Programming without using any library. |
| 11 | To implement Customer Churn Prediction using ANN. |

Note:

1. For Practical 1 to 8, use the google drive folder shared with you.
2. For Practical 9 to 11, use youtube channel: CODEBASICS.