

## 5MCAP2: PYTHON PROGRAMMING LAB

Total No. of Hours: 72

Hours/Week: 06

Part – A	
1	Array, String, List
2	Tuple, Set, Dictionary
3	Class and Object
4	Regular Expression
5	NumPy: Arrays, Random, Date Time
6	NumPy: Math, Statistics
7	Pandas: Data Series
8	Pandas: Data Frame
9	Classifier: KNN, SVM, ANN
10	Regression
11	Clustering: k-Means, Hierarchical, Fuzzy k-Means
12	Visualization using Matplotlib
Part - B	
	Mini project: Implement a machine learning algorithm for a specific domain

### Scheme of Evaluation

Section	Criteria	Marks
Part A	Writing ONE program	10
	Execution of ONE program	20
	Viva	10
Part B	Project Demo	20
	Viva	10
Total		70