

**Academic Year 2023-24**

## List of Experiments

**Class: TE(sem VI)**

**Course: Data Analytics and Visualization Lab**

**Course Code: CSL601**

### Lab Outcomes

Sr. No. of CO	CO Code	Course Outcomes
<b>CO1</b>	CSL 601.1	Explore various data analytics Libraries in R and Python.
<b>CO2</b>	CSL601.2	Implement various Regression techniques for prediction.
<b>CO3</b>	CSL601.3	Build various time series models on a given data set.
<b>CO4</b>	CSL 601.4	Design Text Analytics Application on a given data set.
<b>CO5</b>	CSL601.5	Implement visualization techniques to given data sets using R .
<b>CO6</b>	CSL 601.6	Implement visualization techniques to given data sets using Python.

Sr. No	Name of the Experiment	Mapped CO
1.	Getting introduced to data analytics libraries in Python and R.	CSL 601.1
2.	Simple Linear Regression in Python.	CSL601.2
3.	Multiple Linear Regression in Python.	CSL601.2
4.	Time Series Analysis in Python/R.	CSL601.3
5.	Implementation of ARIMA model in python.	CSL601.3
6.	Text analytics: Implementation of Spam filter/Sentiment analysis in python.	CSL 601.4
7.	Two visualization experiments in R using different Libraries.	CSL601.5
8.	Two visualization experiments in python using different Libraries.	CSL 601.6

**Subject I/Cs**

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Department

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