**UNIVERSITY OF MISSOURI, KANSAS CITY**

**PYTHON & DEEP LEARNING – CS 5590**

**PART – 2 - DEEP LEARNING**

**LAB – 3 REPORT**

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**CLASS ID: 14**

**TASK:**

Implement the Text Classification with three different models CNN, RNN and LSTM models with new dataset using in python. And also, to compare all the three models and should figure out which is the best model among the three.

1. **INTRODUCTION:**

The dataset chosen for performing the three different models is the IMDB movie review dataset where we would be performing the classification of the text based on the sentiment of the review whether it belongs to positive or negative. We will be applying three different models CNN, RNN and LSTM on this dataset and we calculate the test accuracy of the model. The model which gets the most is said to be the best model of all.