**SDP REPORT**

## Name: Shwetark Deshpande

## Gr No.: 11910295

## Class & Div: TY-IC-A

## Roll No.: 51

## Guide: Dr. Shilpa Sondkar

## Project Title: **Stock Prediction Based on LSTM**

# Problem Statement:

* To Develop a software that will Predict Stock Movement.

# Objectives:

* In the past decades, there is an increasing interest in predicting markets among economists, policymakers, academics and market makers. The objective of the proposed work is to study and improve the supervised learning algorithms to predict the stock price.
* Technical Objective:

The technical objectives will be implemented in Python. The system must be able to access a list of historical prices. It must calculate the estimated price of stock based on the historical data. It must also provide an instantaneous visualization of the market index.

# Domain:

* Deep Learning

# Technology & Tools:

* Python
* Google Colab

# Plan For Publish:

* I will Publish Paper of my Work.

# Flowchart:

Historical Stock Data

Evaluate Prediction Accuracy or Output

Create Model LSTM

Train the Model

Test the Model

Testing Data

Training Data

Feature Selection

Data Preprocessing