**Mini-Project Synopsis**

**Advanced Programming Lab (ICT 3166)**

1. **Project Title:** Stacked Long short-term memory (S-LSTM) with Bellman Ford Algorithm (BFA)-based stock market analysis
2. **Team Members:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl#** | **Full Name** | **Reg#** | **Roll#** | **Type of Project**  **(research, Gaming, Social and Other)** |
| **1** | **Punna Rupesh Koushik** | 200953018 | 05 |  |
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1. **Abstract:**

The goal of the project is to create a bot for trading in the Stock Market using Stacked Long short-term memory with Bellman Ford Algorithm. Using tensorflow library we train the model to predict the cost of a stock or index and implementation of various arbitration strategy to profit from these changes in prices

**4.Project Details:**

We use Tensorflow,numpy which are python libraries and also Jupyter Notebook. we use trading view and kite for implementation of the bot in real time

1. **Expected Result:**

The model is trained and expected to predict the stock market price based on

the previous dataset

**6.Python programming Concepts used:**

Stock Price Prediction And Forecasting Using Stacked LSTM and Tensorflow