

**PROJECT ABSTRACT FORM**

**Batch: 2077 Semester: Seventh Year: 2081**

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| **S.No.** | **TU Exam Roll No** | **Student Name** |
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**Project Title:** Stock price prediction using LSTM

**Front-end Tool: React, Bootstrap**

**Back-end Tool: Python, Django**

**ABSTRACT**

The Stock Market Prediction System is an online tool created with the goal of improving and streamlining the stock prediction process for financial institutions, analysts, and investors alike. React, Bootstrap, Python, and Django were used in the system's construction. Users can register and log in to obtain market trends and prediction insights. The website provides investors with a smooth and entertaining experience, making it simple for them to peruse stock predictions, monitor market activity, and make wise investment selections. The platform's real-time updates and easy-to-use interface increase user engagement and happiness. By employing LSTMs (Long Short-Term Memory) to rapidly input data, generate forecasts, and track prediction accuracy, analysts can obtain important insights into the dynamics and trends of the market. The program allows for both long-term and short-term forecasts, among other prediction kinds. Secure data management, comprehensive stock analysis with visualizations, and real-time forecast updates are some of the key characteristics. Strong tools for system configuration, monitoring, and advanced analytics are advantageous to administrators, guaranteeing a smooth and effective prediction experience for all parties involved.

Student Signature/s Date and Time of Submission

2081/04/09 \_\_