A

Project Report

On

**Stock Price Prediction using Machine Learning**

Project report submitted to Ganpat University in the partial fulfillment of the requirement for the award of the Degree of Master of Computer Applications.

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Under the Guidance of

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**May, 2021**

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Subject Name: **M.C.A. SEM – VI** **P16A1SDP2 SYSTEM DEVELOPMENT PROJECT - II**

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This is to certify that the following students of M.C.A. Semester-VI have completed their project work titled “**Stock Price Prediction using Machine Learning**” satisfactorily fulfill the requirement of M.C.A. Semester-VI, Ganpat University, Ganpat Vidyanagar, in the Year 2020-21.

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**PREFACE**

The project aims to provide retail investors with a third-party investment web application to navigate through the stock market. This is achieved through the use of machine learning and web technology. Two stock price prediction approaches and models are developed including artificial neural networks and Support Vector machine. Model architectures and hyperparameters are optimized and automatically searched by evolution algorithm. Promising results are found for trend prediction. The project serves as a foundation for democratizing machine learning technologies to the general public in the context of discovering investment opportunities.

**ACKNOWLEDGEMENT**

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Thanking you,

Preyash Sanjay KaPatel (18034211003)

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