

**Modern Education Society's**  
**Wadia College of Engineering, Pune**

NAME OF STUDENT:	CLASS:
SEMESTER/YEAR:	ROLL NO:
DATE OF PERFORMANCE:	DATE OF SUBMISSION:
EXAMINED BY:	Mini Project

**TITLE:** Mini Project

**AIM:** The aim of this mini project is to understand, analyse, and apply machine learning techniques on real-world datasets to gain insights and make predictions. This project focuses on developing practical skills in data preprocessing, model building, and performance evaluation, while exploring the potential of data-driven solutions for solving real-world problems such as stock market analysis or survival prediction.

**Topics:**

Stock price prediction OR predicts the type of people who survived the Titanic shipwreck

**OBJECTIVES:**

- ☐ To understand and explore real-world datasets through data analysis and visualization.
- ☐ To perform data preprocessing such as handling missing values, encoding categorical data, and feature selection.
- ☐ To apply suitable machine learning algorithms for predictive analysis.
- ☐ To evaluate model performance using appropriate metrics and improve accuracy through tuning.
- ☐ To interpret the results and derive meaningful insights from the data.
- ☐ To enhance practical knowledge of implementing machine learning models in solving real-world problems.
- ☐ To develop analytical thinking and technical proficiency in data-driven decision-making.

**Expected Output / Results**

The expected outcome of the project is a trained machine learning model capable of making accurate predictions — such as forecasting stock price trends or identifying survival chances — along with visual insights that demonstrate data relationships and model performance.

**Conclusion**

The project helps in understanding the end-to-end machine learning workflow, from data preprocessing to model evaluation, and demonstrates how data science techniques can be applied to real-world scenarios for decision-making and prediction.