

Project Design Phase-I
Proposed Solution Template

Date	13 October 2023
Team ID	Team- 591267
Project Name	Project on Tata Power Stock Analysis

Proposed Solution Template:

S.No.	Parameter	Description
1	Problem Statement (Problem to be solved)	Perform a comprehensive analysis of TATA Power Company's stock to provide valuable insights and recommendations for investors. The analysis should encompass historical performance, current financial health, market sentiment, and potential future prospects of TATA Power stock to assist investors in making informed decisions about buying, holding, or selling the company's shares.
2	Idea / Solution description	We can develop a comprehensive stock analysis dashboard to assist investors in making well informed decisions about buying, holding and selling Tata Power shares. This dashboard would provide the investors with real time data and analysis on the stock performance, financial health and future prospects.
3	Novelty / Uniqueness	The novelty of the proposed dashboard is that it would be created keeping in mind the specific needs of the investors. Investors would have a one-stop solution for all of their stock analysis needs, including real-time data, insights and tools. A user-friendly interface would also be included in the dashboard's design, making it easily accessible to investors. The stock research dashboard would be an innovative tool that would aid the stock market investors in making more informed investing decisions.

4	Social Impact / Customer Satisfaction	The proposed dashboard would benefit the investors in making better investment choices which would result in higher returns for them which would help them have a better quality of life. The dashboard would assist investors gain a better understanding of the Tata Power stocks and how to make wise investments by giving them access to real-time data and insights. The dashboard could help attract new investors to the market by making stock market investing more accessible and easier to understand.
5	Business Model (Revenue Model)	The dashboard could be monetized through options like subscription fees, advertising and data licensing. Investors could pay a monthly/annual subscription fee to access the dashboard. The dashboard could also raise money for the company by displaying targeted ads to investors. Furthermore, the firm could license its data to other financial organizations , such as mutual and hedge funds to earn more.
6	Scalability of the Solution	The stock analysis dashboard can be easily scaled to accommodate an expanding user base. This can be achieved by setting up the dashboard on a cloud based platform and using a load balancer to split the traffic between the servers. The dashboard can also be linked with a caching system to enhance performance and reduce the load on the database. To give investors access to a greater range of data, the dashboard can be linked with external data providers. Overall the dashboard is scalable and can be easily adapted to the needs of an expanding user base.