



## Post Graduate Diploma in Big Data Analytics (PG-DBDA)

**March 2023 – September 2023**

Group Number	Group – 6
Guide	Mr. Sunil Kumar
Group Members	1. Neha Fadke (230310125012) 2. Rushikesh Patil (230310125015) 3. Gyaneshwari Deshmukh (230310125006)
Title	Real-Time Analysis Of Stock Market Segment
Objective	We are creating a webpage application that can empower newcomers and investors with up-to-the-second market data, deliver a comprehensive, visually appealing real time platform for effective decision-making and portfolio management while fostering a community for knowledge sharing.
Abstract	In an increasingly interconnected and data-driven world, understanding and navigating the complexities of the stock market is a vital skill. Our project, the Real-Time Analysis of Stock Market Segment, leverages the Alpha Vantage API, alongside JavaScript and HTML technologies, to provide an accessible and empowering solution. This platform offers users the ability to access, visualize, and analyze real-time stock market data effortlessly. Users can select their preferred stocks, visualize technical indicators, and download the data, all within an intuitive and user-friendly interface. Additionally, the platform facilitates informed decision-making by enabling users to download data for further analysis.

Scope of work	<p>The scope of our Real-Time Analysis of Stock Market Segment project is to create a dynamic web-based application that empowers users to engage with real-time stock market data in a seamless and informative manner. This platform will provide a secure user authentication system, allowing individuals to register accounts, log in securely, and manage their profiles. Users will have the flexibility to select and monitor their preferred stocks by creating and managing watch lists. The platform will harness the power of stock market data APIs to fetch up-to-the-minute information, including stock prices, trading volumes, and market capitalization, for the selected stocks</p>
Technologies used	<p>In our project we are using,</p> <ul style="list-style-type: none"> <li>• Public API (Alpha Vantage)</li> <li>• JavaScript</li> <li>• HTML</li> <li>• XAMPP Server</li> </ul>
Application	<p>Application of our project is to simple visualization of complex stock-graph for newcomers.</p> <p>With this investors and traders will be able to take correct and precise decision at real time.</p>
Deliverable	<p>A fully functional and user-friendly platform with real-time stock data display, recent days of data display, download data and login features.</p> <p>Comprehensive documentation, including user guides and developer references, to aid in platform understanding and future maintenance.</p>
Project Timelines (Total:120 hours)	<p>Group form: 25 June.</p> <p>Project title justification: 18 August.</p> <p>Abstract: 18 August.</p> <p>Discussed about API within team: 19 August.</p> <p>Started coding for API: 20 August.</p> <p>Review1 &amp; Testing of API code: 23 August.</p>

	<p>Started Javascript coding for access of stocks: 24 August</p> <p>Started exploring libraries for stock graph visualization: 25 August</p> <p>Review 2 &amp; completion on backend coding: 27 August</p> <p>Started working on frontend: 28 August</p> <p>Design webpage in html : 30 August</p> <p>Review 3 on Frontend : 30 August</p> <p>Frontend fully designed : September 1</p> <p>Review 4 on status of report : September 2</p> <p>Completion of project and report : September 4</p> <p>Final Submission : September 5</p>
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