

# Project Document

**Product Name :** Invest.io

**Project Name :** Fundamental Analysis Tool -

*(Full Stack Web App & Only API Endpoint for Mobile APP)*

Sr	Name	Email	Contact	Role
1	Ashutosh Kumar	ashutosh2003kumar@gmail.com	8969226707	Team Lead
2	Aryan Kumar	arviaryankaushik@gmail.com	9801871528	Team Lead
3	Neeraj Kusumba	kusumbaneeraj@gmail.com	9704533694	Co-Team Lead
4	Mankala sharathchandra	mankalasharathchandra4@gmail.com	8317502155	Co-Team Lead
5	Baswa Nithish	nithishbaswal@gmail.com	8125285723	Dev
6	Samprity Ghosh	samprityghosh234@gmail.com	9432932987	Dev
7	Ashutosh Kumar Shivanand Singh	ashutosh.16962@sakec.ac.in	8169253933	Dev
8	SURAM ROHAN	suramrohan@gmail.com	9849714631	Dev
9	M.Yella Pushpavathi	yellapushpavathi7032@gmail.com	9398491712	Dev
10	Sharad Singh	sharadsingh24m@gmail.com	8809591890	Dev

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### **Important Link :**

UI UX Design -

<https://www.figma.com/design/l1V3yquDGaLuRgWy33xFs4/Invest.io?node-id=0-1&t=cNRIVSNOOrS6m40hP-1>

System Design -

User Flow -

### **Task Management:**

- Use Notion for assigning and tracking tasks within the team.
- Developers must report daily work status to the Team Leader.
- Developers also can change their role by taking permission of team leader
- The Team Leader should report work progress every 7 days to Mr. Yash Kale.
- Write high quality industry standard code.

**Code Repo :** Team Lead / Co - Team Lead create private github repository and allow access only to bluestock fintech org developers and project manager.

### **Introduction :**

This report outlines the production-level software development tasks assigned to our interns at Bluestock Fintech. The project involves

developing a Fundamental Analysis Web application and REST API for the Mobile App.

These tasks are designed to enhance the Interns' practical knowledge and contribute to our ongoing projects. Each task aligns with our company's goals and the interns' skills and career aspirations.

### **Objective :**

Develop a Full Stack Web application (Admin App for Adding Financial Data) and API Endpoint for Mobile App that provides Stock Market Listed Nifty-100 Companies Fundamental information to the public.

Checkout Nifty 100 Company List - <https://www.5paisa.com/nifty-100-stock-list>

### **Project Features**

Following Information will be displayed on analysis platform and app (over api)

#### **1. Overview -**

- A. Symbol (Company Short Name like ID) Infosys = INFY
- B. Company Logo
- C. Company Name
- D. Chart Link (add tradingview chart link)
- E. About Company
- F. Website
- G. NSE Profile
- H. BSE Profile
- I. Face Value
- J. Book Value
- K. ROCE
- L. ROE

## 2. Profit & Loss (Yearly Last 13 Years) -

- A. Sales
- B. Expenses
- C. Operating Profit
- D. OPM %
- E. Other Income
- F. Interest
- G. Depreciation
- H. Profit before tax
- I. Tax %
- J. Net Profit
- K. EPS in Rs
- L. Dividend Payout %

### Analysis

#### Compounded Sales Growth

10 Years:	11%
5 Years:	10%
3 Years:	14%
TTM:	5%

#### Compounded Profit Growth

10 Years:	9%
5 Years:	8%
3 Years:	12%
TTM:	8%

#### Stock Price CAGR

10 Years:	12%
5 Years:	16%
3 Years:	6%
1 Year:	22%

#### Return on Equity

10 Years:	40%
5 Years:	44%
3 Years:	47%
Last Year:	52%

## 3. Balance Sheet ( Last 13 Year)

- A. Equity Capital
- B. Reserves
- C. Borrowings
- D. Other Liabilities
- E. Total Liabilities
- F. Fixed Assets
- G. CWIP
- H. Investments
- I. Other Assets
- J. Total Assets

## 4. Cash Flow ( Last 13 Year)

- A. Cash from Operating Activity
- B. Cash from Investing Activity

- C. Cash from Financing Activity
- D. Net Cash Flow

## **5. Document**

- A. Annual Report (pdf link from nse)
- B. Announcements (pdf link from nse)

## **Software Requirements:**

(Ask before selecting backend language)

**Frontend** - HTML,CSS,Javascript, Bootstrap 5

**Backend** - PHP (Plane Php) / Python (Django)

**Database** - MySQL / PostgreSQL

**IDE** - VS Code

**Tools** - Postman, Github Desktop

## **Prerequisites -**

- 1) <https://youtu.be/PQqfeyUQbyE?si=Z7fzBUIGcQDExutd>
- 2) [https://youtu.be/sx8sBN2prAE?si=a7Az1uQ\\_4XCJ1VbG](https://youtu.be/sx8sBN2prAE?si=a7Az1uQ_4XCJ1VbG)

## **Development Overview**

### **Important Notes:-**

- This is a production-level project; therefore, write quality code and test features regularly.
- Apply necessary security rules to ensure data protection and integrity.
- Utilize ChatGPT for testing code, writing features, and designing the database schema.

**Create PHP (JSON) API Endpoint for Web App and Mobile App For Displaying Data from the Database**

## Deadlines

Date	Work Status
	Complete All Frontend - User Side
	Insert Data (using phpmyadmin) into DB, Fetch Data on Frontend Web App
	Expose data over API for mobile App
	Complete All Frontend - Admin Dashboard
	Insert Nifty 100 Companies Data Into Database
	Complete Entire Project

## App Overview

