



**COLLEGE CODE : 9530**

**COLLEGE NAME: ST.Mother Theresa engineering College**

**NM-ID ROLL NO:**

**8 E F 4 B 2 7 2 4 C C 9 F D 3 A 5 2 B 4 B 6 D 7 F O C O F 4 8 0**

**DATE: 15/09/25**

**Completed the project named as Phase 1**

**PROJECT NAME : Real time stock Tiker**

**SUBMITTED BY,**

**NAME : N . H a r i s h**

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## Phase 1- Problem Understanding & Requirements

### Project: Real Time Stock Ticker (WordPress Blog with Review Plugins)

#### 1. Problem Statement

Traditional blogs lack real-time financial updates and interactive engagement tools.

The goal is to build a WordPress blog that integrates a live stock ticker and enables readers to leave dynamic comments and reviews through plugin

s. This ensures both information delivery and active user participation.

#### 2. Users & Stakeholders

Primary Users: Stock market enthusiasts, investors, students, general readers.

Stakeholders: Blog administrators, content creators, WordPress developers, advertisers.

#### 3. User Stories

As a reader, I want to view real-time stock updates so that I can stay informed.

As a visitor, I want to comment on posts dynamically to share my views.

As a user, I want to rate/review stock discussions using a review plugin for better community insights.

As an admin, I want to moderate comments and reviews to maintain quality discussions.

#### 4. MVP Features

Real-time stock ticker widget on the homepage.

Blog post pages with dynamic comment sections.

Integration of a review plugin for rating and feedback.

Responsive and user-friendly design.

#### 5. Wireframes/API Endpoint List

Wireframes:

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### 4. MVP Features

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### 5. Wireframes / API Endpoint List

Wireframes:

Homepage with blog posts + real-time ticker.

Single post page with comment & review section.

API Endpoints:

Stock price API (e.g., Alpha Vantage, Yahoo Finance).

WordPress REST API for managing comments and posts.

### 6. Acceptance Criteria

Stock ticker updates in real time without page refresh.

Users can post and view comments dynamically.

Review plugin allows users to leave ratings/reviews.

Admin can approve, edit, or delete inappropriate comments.

System works seamlessly across desktop and mobile