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**COMPUTER SCIENCE ENGINEERING**

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**Completed the project named as**

**Phase 1**

**FRONT END TECHNOLOGY**

**NEWS FEED APPLICATION**

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# Phase 1 - Problem Understanding & Requirements

## ❖ Problem Statement:

Users need a simple and responsive **news feed interface** where they can view, refresh, and interact with real-time updates from IBM-FE. The application should handle multiple posts, live updates, and maintain feed history in an intuitive UI.

## ❖ Users & Stakeholders:

- End Users (students, professionals, IBM-FE members)
- Developers (frontend engineers, backend engineers)
- Project mentor/faculty

## ❖ User Stories:

1. As a user, I should be able to view the latest IBM-FE news and updates instantly.
2. As a user, I should see real-time updates when a new post is published.
3. As a user, I should view a list of categories (e.g., events, announcements, technology updates).
4. As a user, I should be able to scroll through feed history and revisit older updates.

## ❖ MVP Features:

- News feed display area with clear formatting (title, description, time, author).
- Categories/sections (sidebar or filter options).
- Real-time updates for new posts.
- Option to mark posts as read/unread or favorite.
- Basic styling for readability and accessibility.

## ❖ Wireframes / API Endpoint List:

### • Wireframes:

- Feed screen with sidebar (categories) and main content area.
- Refresh/auto-update option at the top.

### • API Endpoints (future integration):

- GET /feed → fetch latest news posts.
- GET /feed/{id} → fetch specific post details.
- GET /categories → list of available categories.

## ❖ Acceptance Criteria:

- Users can view news posts in a responsive feed window.
- Feed updates dynamically without page reload.
- UI is responsive, user-friendly, and categorized.
- Basic feed history is maintained in session state.