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St.MOTHER THERESA ENGINEERING COLLEGE

COMPUTER SCIENCE ENGINEERING

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Completed the project named as

Phase 5

FRONT END TECHNOLOGY

NEWS FEED APPLICATION

SUBMITTED BY,

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Phase 3 – MVP Implementation:

1. Final Demo Walkthrough

- **The News Feed Application provides users with real-time news updates categorized by topics such as Sports, Technology, Politics, and Entertainment.**
- **The platform fetches data dynamically from a news API and displays it in a clean, responsive UI.**
- **Users can view top headlines, read full articles, and navigate between categories using a simple interface.**
- **The app is hosted and accessible via the deployed link provided below.**

2. Project Report

Project Title: News Feed Application

Objective:

To develop a web-based application that delivers real-time news updates and categorizes them efficiently for user convenience.

Problem Statement:

Users often find it difficult to get news from multiple sources quickly and in one place. Manual searching for different categories consumes time.

Proposed Solution:

A responsive web application that uses API integration to fetch the latest news and present them neatly with headlines, descriptions, and article links.

Technology Stack:

- **Frontend: HTML, CSS, JavaScript, React.js**
- **Backend: Node.js, Express.js**
- **API Source: NewsAPI.org (or similar)**
- **Hosting: GitHub Pages / Render**
- **Version Control: Git + GitHub**

3. Screenshots / API Documentation

Include screenshots of:

- **Homepage / Dashboard showing latest news cards**
- **Category-wise News Page (Technology, Sports, etc.)**
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- **API Response Example** showing JSON structure fetched from News API
- **Article View Section** displaying news details

4. Challenges & Solutions :
1. Overlapping bookings → Implemented time-slot locking. 2. Data security → Encrypted passwords using bcrypt. 3. UI Responsiveness → Used CSS Grid & Flexbox. 4. Database optimization → Indexed collections in MongoDB. 5. Deployment issues → Configured environment variables and cloud hosting.

5. Setup :
Steps: 1. Clone repo: git clone https://github.com/yourusername/healthcare-appointment-system.git 2. Install dependencies: npm install 3. Start backend: npm run server 4. Start frontend: npm start 5. Create .env file with PORT, MONGO_URI, JWT_SECRET.

6.Final Submission :

- **GitHub Repository: https://github.com/Ajis-123/NAAN-MUDHALVAN-.git**
- **Deployed Link:** https://ajis-123.github.io/NAAN-MUDHALVAN-/