**Student Project Problem Statement**

**Course/Domain:** Frontend Development Frameworks

**Academic Year:** 2025–26, Odd Semester

**Team No:** 1

**Project Title:** Task Management Application with Priority Sorting

**Team Roll No:**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Name** | **Roll Number** |
| **1.** | **BOGGULA SATWIK** | **2420030048** |
| **2.** | **JAKKU NIKHILA REDDY** | **2420030387** |
| **3.** | **SONTIREDDY SRINIKA REDDY** | **2420030617** |

**1.Abstract:**

In the modern digital era, effective task management is crucial for both students and professionals to stay organized and productive. Traditional manual methods often fail to handle multiple tasks with varying levels of importance, leading to missed deadlines and inefficiency. This project aims to develop a **Task Management Application with Priority Sorting** that enables users to create, update, delete, and monitor tasks with assigned priority levels such as High, Medium, and Low. The system automatically sorts and displays tasks based on their priority, ensuring that urgent and important tasks are highlighted for quick action. Additional features such as task status (Pending/Completed), due dates, and filtering options will be provided to enhance usability. Built using modern front end frameworks, this application offers an intuitive user interface, responsive design, and efficient task organization. The project provides a simple yet powerful digital solution to improve productivity, focus, and time management.

**2. Module Description**

· **Task Creation & Management Module** – Allows users to add, edit, and delete tasks with details such as title, description, and due date.

· **Priority Sorting Module** – Automatically arranges tasks based on High, Medium, or Low priority.

· **Task Status & Filtering Module** – Enables users to mark tasks as Pending/Completed and filter tasks accordingly.

· **User Interface & Responsive Design Module** – Develops a clean, responsive, and user-friendly interface for seamless interaction.

**3. Module Mapping**

|  |  |
| --- | --- |
| **Module Name /Description** | **Assigned Roll Number(s)** |
| Task Création & Management Module | **2420030387** |
| Priority Sorting Module | **2420030617** |
| Task Status & Filtering Module | **2420030048** |
| User Interface & Responsive Design | **2420030387,2420030617** |

1. **Module Details:**

· **2420030387:** Responsible for developing the Task Creation & Management Module and contributing to the User Interface design.

· **2420030617:** Handles the Priority Sorting Module and assists in UI/UX responsiveness.

· **2420030048:** Develops the Task Status & Filtering Module to enable marking, searching, and filtering of tasks

1. **Frameworks / Platforms / Software Used**

· **Frontend Framework:** React.js

· **Styling:** Tailwind CSS

· **UI Components:** Shadcn/UI, Lucide Icons

· **Version Control:** GitHub

· **Other Tools:** Visual Studio Code, Node.js, npm

**6. Project Guide**

**Name of Guide:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Signature & Approval:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_