

# SOFTWARE ENGINEERING PROJECT PROPOSAL

COURSE CODE: CS-326



## **GROUP MEMBERS:**

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## PROJECT: WORKSPY

We propose the development of an advanced time and task management application. This application aims to provide an intuitive platform that enables teams to track time, manage tasks, and oversee project progress efficiently. By offering a comprehensive suite of features for both managers and team members, the app aims to:

- **Increase Productivity:** Simplify task management and time tracking.
- **Enhance Visibility:** Provide real-time insights into project status and team performance.
- **Improve Collaboration:** Facilitate seamless communication and coordination among team members.

### Technology Stack:

FRONTEND: Ejs, Html, Css, and JavaScript for building the user interface.

BACKEND: Node.js for server-side scripting and backend logic.

DATABASE: MySQL for storing all information and records related to Timesheets.

### FEATURES & FUNCTIONALITIES:

#### Manager Interface:

##### Dashboard Overview

- **Project Summary:** Visualize the status of all ongoing projects, including progress bars and completion percentages.
- **Team Performance:** Monitor individual and team performance metrics such as time spent, task completion rates, and productivity levels.

##### Project Management

- **Create and Assign Projects:** Easily set up new projects, define goals, and assign tasks to team members.
- **Milestones and Deadlines:** Establish milestones and track deadlines to maintain project schedules.

##### Time Tracking

- **Time Logs:** View and analyze time logs submitted by team members.

##### Team Management

- **Resource Allocation:** Allocate resources effectively based on project requirements.
- **Performance Reviews:** Conduct performance reviews.

## **Team Member Interface:**

### **Personal Dashboard**

- **Task Overview:** Access a personalized dashboard displaying assigned tasks, upcoming deadlines.
- **Time Tracking:** Log work hours for various tasks and projects.

### **Task Management**

- **Task List:** Lets you to create task assigned to you and provide all the relevant information and assign that task to a deliverable assigned to you by your manager.
- **Task Updates:** Update task statuses and add comments.

### **Time and Activity Log**

- **Time Sheet Entries:** Create your own time sheet entry for every day.
- **Activity History:** Track and review past activities and time logs.

## **SUMMARY:**

Our proposed time and task management app will provide a powerful and intuitive platform for both managers and team members, enhancing productivity and project management capabilities. By integrating advanced features and leveraging modern technology, we aim to deliver a solution that meets the needs of contemporary businesses and drives operational excellence.