Smart Meeting Scheduler

Welcome to the presentation of Smart Meeting Scheduler, a web application designed to revolutionize the way we manage meetings.

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Introduction

My name is Joseph Njoroge Mwangi, and I'm here today to share with you how Smart Meeting Scheduler can make your meetings more efficient and productive.

Problem Statement

1 Scheduling Conflicts

Overlapping meetings are common, leading to wasted time and frustration.

2 Missed Notifications

Important meetings are often overlooked due to missed notifications.

3 Inefficient Setup

Poorly organized meetings waste valuable time.

4 Time Management

Effective time management is crucial for productivity.

Project Overview

The Smart Meeting Scheduler is a web application that streamlines meeting management, simplifying the process and improving productivity.

Features

Automated Scheduling

Avoids conflicts and optimizes meeting times.

Notifications

Sends reminders and updates to participants.

Calendar View

A comprehensive calendar to view all meetings at a glance.

Technology Stack

Frontend	React, Redux, CSS, Axios, React Router, Vite, JavaScript (ES6+)
Backend	Node.js, Express.js, MongoDB, Mongoose, Redis
Tools	Git, npm, Visual Studio Code, dotenv, Postman, Linux/Unix Commands, Swagger/OpenAPI

System Architecture

Frontend

1 Built with React and Redux for state management.

Backend

2 Node.js and Express.js for the server, MongoDB and Redis for data storage and caching.

API

3 RESTful API design for seamless communication between frontend and backend.

Live Demo

Now let's see the Smart Meeting Scheduler in action.

Future Improvements

Video Conferencing Integration

Integrate with platforms like Zoom or Google Meet.

Advanced Analytics

Provide insights into meeting patterns and productivity.

Mobile App

Develop a mobile application for on-the-go meeting management.

AI-Powered Recommendations

Use AI to suggest optimal meeting times based on participants' availability.

Conclusion

The Smart Meeting Scheduler provides an efficient, user-friendly, and automated solution for managing meetings. It addresses common challenges and offers a scalable platform for further development.