

COLLEGE CODE:[8223]

COLLEGE NAME: [vandayar engineering college]

DEPARTMENT:[Computer science and engineering]

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ROLL NO:[822323104004]

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Completed the project named as

Phase-4

TECHNOLOGY PROJECT NAME: Event Scheduling App

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1. ADDITIONAL FEATURES

- **To make the application more functional and engaging, several new features were added in this phase:**
- **Event Notifications & Reminders:** Sends automatic alerts for upcoming events or changes.
- **Calendar Integration:** Syncs events with Google Calendar or system calendar.
- **Search & Filter Options:** Allows users to search events by date, location, or type.
- **User Profile & Customization:** Enables users to edit their details and view event history.
- **Event Feedback System:** Lets participants rate events and provide feedback to organizers.

- **Multi-language Support:** Added support for multiple languages for wider accessibility.
- **Dark & Light Mode:** Provides theme customization for user comfort.

2. UI/UX IMPROVEMENTS

- Enhancing the look and feel of the app was a major focus in this phase.
- Redesigned the dashboard for better navigation and readability.
- Improved button placements, icons, and typography for a clean visual hierarchy.
- Ensured mobile responsiveness and consistent experience across devices.
- Simplified event creation and registration steps to reduce user effort.

- Improved color themes and used intuitive design patterns.
- Conducted user testing sessions to identify and fix UI/UX issues.
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- **Conducted user testing sessions to identify and fix UI/UX issues.**

3. API ENHANCEMENTS

- **Backend APIs were upgraded to ensure smoother and faster communication between client and server.**
- **Optimized event data fetching and reduced load time.**
- **Enhanced API security using token-based authentication.**
- **Implemented caching mechanisms to speed up frequent queries.**
- **Added error handling for better user feedback in case of connectivity issues.**
- **Integrated push notification APIs for real-time alerts and updates.**

- Improved database queries to prevent redundancy and improve scalability.

4. PERFORMANCE & SECURITY CHECKS

- Before deployment, thorough testing and validation were done to ensure reliability.
- Conducted performance testing to check speed, scalability, and responsiveness.
- Performed stress testing to observe app behavior under heavy traffic.
- Fixed all critical bugs and memory leaks found during QA.
- Implemented SSL encryption for data transmission.

- Applied input validation and data sanitization to prevent security breaches.
- Ensured secure login and authentication to protect user credentials.
- Verified compliance with privacy and data protection standards.

5. DEPLOYMENT

- After completing all enhancements and tests, the app was successfully deployed for public use.
- Final build was hosted on the server and app stores.
- Deployment scripts were automated for continuous integration and delivery (CI/CD).
- Monitored post-deployment performance using analytics tools.

- **Collected user feedback for future updates and maintenance.**