# Personal Meeting Scheduling Platform

## Problem Statement

in today's fast-paced world, scheduling meetings efficiently is crucial. To address this need, we aim to create a Personal Meeting Scheduling Platform that allows users to have their own custom meeting scheduling link (e.g., abc.com/MeetingWithMe). Users can register on the platform, customize their scheduling link, and connect their Google and Microsoft calendars. The platform should offer a unified view of these calendars in a custom week view calendar and allow users to define their availability for the next three months. Other users can book time slots on a user's calendar based on their availability, specifying the duration of the meeting. Additionally, users should be able to cancel or reschedule meetings easily. To enhance security, user registration will also include email validation using OTP (One-Time Password).

## Technology

- You can use any backend, frontend or database for this system to be developed.

## Internet Connectivity
- SSID: Techathon
- Password: Gateway@1998

## Features and Functionalities

### User Registration with OTP Verification
- Users can sign up for the platform, providing there:
  - Username (for custom link) - Name - Email - Password
- Users will receive an OTP via email for email verification.
- Email verification is mandatory to activate the user's account.
- Basic standard validations will be implemented for user data.

### Calendar Integration
- Users can connect their Google and Microsoft calendars.
- Users can select multiple calendars to integrate into the platform.
- The platform will display events and blocked time from these calendars in a custom week view calendar.

### Availability Planning
- Users can define their availability for the next three months.
- Availability includes selecting days (Monday to Sunday), start time, and end time for each day.
- Users can specify the minimum meeting duration (e.g., 30 minutes, 60 minutes).

## Slot Booking
- Other users can view available slots on a user's calendar.
- Slots that are already booked or have events from integrated calendars during the selected duration will not be displayed.
- Users can book slots for 30 minutes or 60 minutes.
- Booking requires providing name, email, phone number, and custom instructions.

## Meeting Confirmation
- When a meeting is booked, both the booking user and the calendar owner receive an event invitation.
- Users can accept or reject meeting invitations.
- Email notifications include options to cancel or reschedule the meeting.

## Rescheduling
- Users can reschedule meetings based on their availability from the monthly calendar view.
- The rescheduled meeting slot becomes available for other users.

## Post-Development Requirements

### Demonstration and Submission
- After completing the project, the team must arrange a demonstration meeting with a volunteer or mentor.
- During the demo, the team should:
  - Introduce their team name and the technologies used for the project.
  - Act as the moderator to record the meeting and explain the entire solution and workflow.
  - The recorded meeting should provide an overview of the project's functionality.

### Project Repository
- The project code, including backend, frontend, and database files, must be uploaded to a public GitHub repository.
- A README file in the repository should contain instructions on how to set up and run the project.

### Third-Party Accounts
- Any third-party accounts used for the project (e.g., Google, Microsoft) should be mentioned in the README for reference, without sharing credentials.

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- The project code, including backend, frontend, and database files, must be uploaded to a public GitHub repository.
- A README file in the repository should contain instructions on how to set up and run the project.

### Submission
- Share the GitHub repository link on this email address **techathon@thegatewaycorp.com** for project submission. Only provide links; do not send files.