**Project Management Plan of AABS**

(Ashram Accommodation Booking System)

**1. Project Summary**

**1.1 Project Overview :**

This Ashram Accommodation Booking System allows the devotees globally to reserve the rooms in the Ashram at any time. It will provide a unique search and booking functionality for the devotees anywhere in the world. This web-based app will allow devotees to check the availability of the rooms and plan their travel accordingly. This will reduce the waiting time near the accommodation office. This project can be used by the devotees and the admins who will help them to reserve the room of their choice. Admins can even block some rooms for special guests.

**1.2 Project Scope :**

The web application provides a secure platform for booking rooms.Room availability can viewed by everyone(unregistered users). A devotee has to register himself before making any booking. Admins/devotees can login with their username and password to book and cancel their bookings. A single login page is designed for both users and admins who are redirected to their respective web page after validating the credentials.

User functionalities overview :

* Check availability of rooms.
* Registered devotees can book a room by selecting check-in date ,checkout date, type of room and number of persons and subsequently making payment .
* View booking history.
* View current bookings.
* Fully/Partially cancel bookings.
* Update profile(email,username,password.. etc)
* User will be provided with various payment methods like debit/credit cards, UPI/BHIM ,mobile wallets.

Admin functionalities overview:

* Admins can book rooms for the devotees who have not registered online.(Offline booking at the office).
* Admins can reserve rooms for special guests.
* Can view all the bookings of all the users.
* Can update/cancel offline bookings.
* Can cancel online booking of user on no show.
* Can update his profile.

**1.3 Development Process**

We follow the agile methodology of software development.The product will be developed in two sprints :

**Sprint 1 :**

The core modules will be developed in this sprint which would include the following functions:

* Devotee functionalities:
  + Provides website registration for devotees where they need to enter their details.

Details include name,email,phone number,password.

* + Registration is completed only when email or phone number is verified .
  + A confirmation mail is sent to the provided email\_id / an otp is sent to the number.(User can choose the method of validation).
  + Login for registered users
  + On successful login, devotee can view his previous and present bookings.
  + On unsuccessful login, error message will be displayed.
  + Forgot password functionality is incorporated.
  + Users can make a new booking .
    - Booking must include checkin\_date, checkout\_date,no of rooms,type of room,Soft copy of id of one of the residing devotee must be uploaded.
* Admin functionalities:
  + A separate registration for admins.
  + Details for registration include : name,email,phone number,password.
  + Registration is completed only when email or phone number is verified .
  + A confirmation mail is sent to the provided email\_id / an otp is sent to the number.(User can choose the method of validation).
  + Login for admins.(Common login page for both admins and devotees)
  + On successful login, admin can view his previous and present bookings of all users.
  + On unsuccessful login, error message will be displayed.
  + Forgot password functionality is incorporated.
  + Can book rooms for unregistered devotees(offline booking).
    - Booking must include checkin\_date, checkout\_date,no of rooms,type of room,Soft copy of id of one of the residing devotee must be uploaded.

Note: The product after the first sprint is a complete working system with basic UI.

**Sprint 2 :**

This iteration would complete the product in its full functionality with professional UI.

The following enhancements will be done in this sprint:

* Devotee functionalities
  + Devotees can register using Oauth - Google account.
  + Devotees can update dates of the current booking based on availability.
  + Devotees can partially/completely cancel booking.
  + Can view his profile.
  + Can update his profile.
  + Provides remember me options for the user(one month).
  + After successful payment, Booking confirmation message is displayed and an Invoice is sent to devotee’s mail ID.
* Admin functionalities:
  + Admins can register using Oauth - Google account.
  + Admins can update dates of the current booking based on availability.
  + Admins can cancel offline booking.
  + Admins can cancel online bookings on no show.
  + Can view/update his profile.
  + Provides remember me option(one month).
  + Can reserve rooms for special guests .
  + Admin can allot rooms to devotees who made offline bookings.

**2. Team Organization**

The team comprises the following persons. We will have a small team, hence we use a flat team structure of peers with one person having an additional role of scrum master.

The following table gives the organization:

|  |  |
| --- | --- |
| **NAME** | **ROLE** |
| Vivek Menon | Product Owner |
| G Sai Sarath Chandra | Scrum Master |
| R V Vyshnavi | Tester |
| K Sai Satwik | Developer |
| P V Surya Chaitanya | Developer |
| P Rammanoj | Developer |