

# Online Travel Booking System

## **TEAM MEMBERS:**

1. 2022503001 – Guru Aravindan V
2. 2022503011 – Malarvannan M
3. 2022503041 – Akash S
4. 2022503051 – Udhya Kumar K
5. 2022503061 – Bose B
6. 2022503071 – Shreya Sankaran
7. 2022503301 – Vedalakshmi K

## **TEAM ROLES:**

- |   |                    |
|---|--------------------|
| <b>1. Project Manager (PM)</b>                          | – Malarvannan M    |
| <b>2. Technical Lead / Developer</b>                    | – Udhya Kumar K    |
| <b>3. Database / Backend Specialist</b>                 | – Bose B           |
| <b>4. Frontend / UI Devepoler</b>                       | – Malarvannan M    |
| <b>5. Quality Assurance(QA) Lead</b>                    | – Shreya Sankaran  |
| <b>6. Documentation &amp; Knowledge Manager</b>         | – Vedalakshmi K    |
| <b>7. Monitoring &amp; Reporting Lead</b>               | – Akash S          |
| <b>8. Collaboration &amp; Communication Coordinator</b> | – Guru Aravindan V |

## **ASSIGNED PROJECT:**

**Project Number 1:** Online Travel Booking System

## **SPM PHASES & KEY ACTIVITIES:**

1. **Define scope** – Set project objectives, system boundaries, and user requirements.
2. **Modules identification** – Break the system into modules (e.g., User Registration, Search & Booking, Payment Gateway, Admin Panel).
3. **Requirements gathering** – Collect both functional and non-functional requirements.
4. **Backlog creation** – Maintain a list of pending features, user stories, and enhancements.
5. **Sprint planning** – Plan iterations for module-wise development.
6. **Task assignment** – Distribute responsibilities among developers, testers, and designers.
7. **UI/UX design** – Develop intuitive booking workflows, responsive layouts, and accessibility features.
8. **Database design & integration** – Create schema for users, bookings, payments, and travel services.
9. **API integration** – Connect with third-party services (flight, hotel, bus, train APIs).
10. **Monitoring & reporting** – Track system performance, booking statistics, and error logs.
11. **Testing & validation** – Conduct unit, integration, usability, and load testing before deployment.
12. **Deployment & documentation** – Deploy on server/cloud and maintain detailed user & technical documentation.
13. **Risk management** – Handle risks like system downtime, API failures, payment errors, and data security.
14. **Lessons learned** – Record insights for future improvements and maintenance.