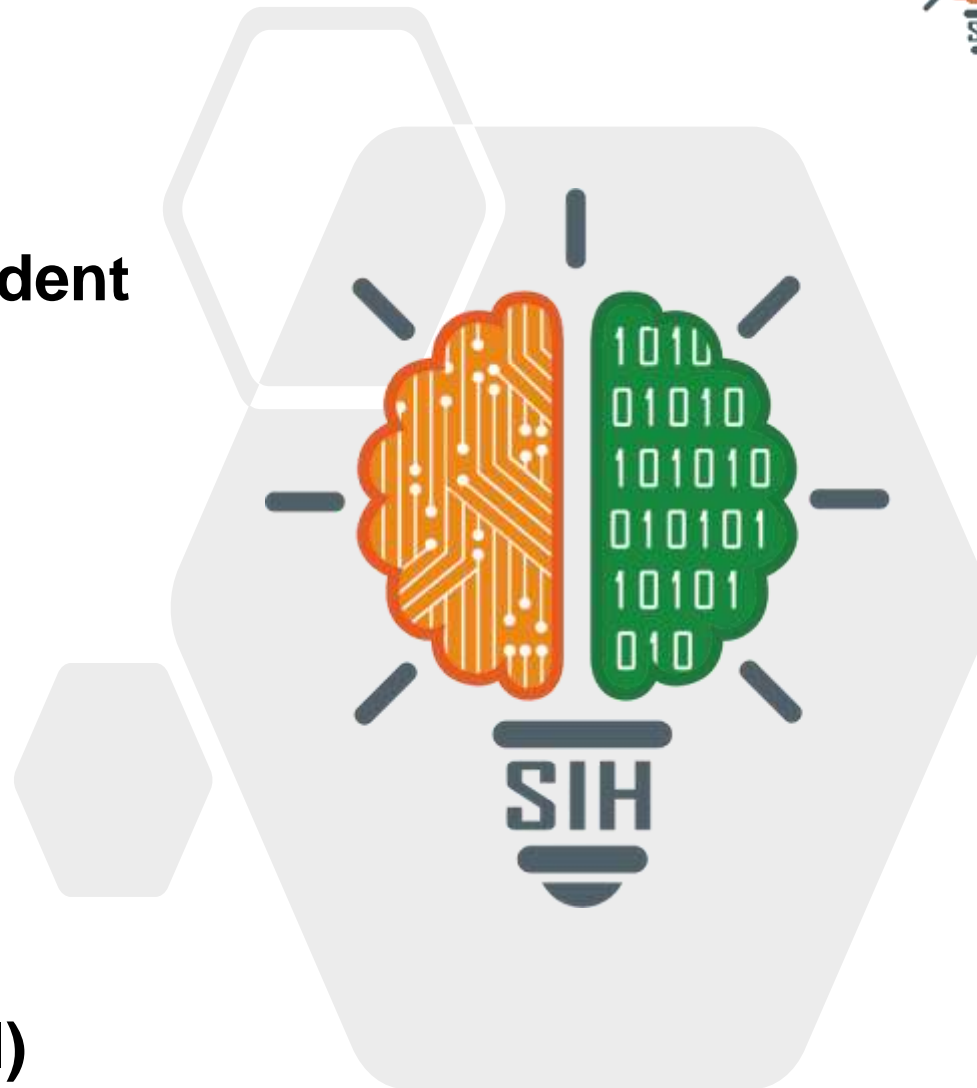


# SMART INDIA HACKATHON 2024



- **Problem Statement ID –1591**
- **Problem Statement Title- Student Innovation**
- **Theme- Travel and Tourism**
- **PS Category- Software**
- **Team ID-**
- **Team Name (Registered on portal)**



# IDEA TITLE

- **Proposed Solution:** Develop a comprehensive and interactive travel and tourism guide website that provides users with detailed information on destinations, travel itineraries, accommodation options, and local experiences.
- **How it addresses the problem:**
  - Provides a centralised platform for travellers to access up-to-date information.
  - Helps users plan trips effectively by offering customisable itineraries.
  - Facilitates bookings for accommodations, tours, and activities directly through the site.
- **Innovation and uniqueness of the solution:**
  - AI-based recommendations for personalised travel plans.
  - Integration of AR/VR for virtual tours of destinations.
  - User-generated content for authentic travel experiences.

# TECHNICAL APPROACH



- **Technologies to be used:**
  - **Front-end:** HTML, CSS, JavaScript
  - **Back-end:** Node.js, Express.js
  - **Database:** MongoDB
  - **Frameworks:** React.js for front-end, Bootstrap for UI design
  - **APIs:** Integration of Google Maps API
- **Methodology and process for implementation:**
  - **Planning:** Requirement gathering and user persona development.
  - **Design:** Wireframes and prototypes using Figma.
  - **Development:** Iterative development with Agile methodology.
  - **Testing:** User testing and feedback incorporation.
  - **Deployment:** Hosting on AWS with continuous integration/continuous deployment (CI/CD).

# FEASIBILITY AND VIABILITY



- **Analysis of the feasibility:**
  - **Technical Feasibility:** The proposed technologies are well-established and scalable.
  - **Operational Feasibility:** User-friendly interface with minimal learning curve.
  - **Economic Feasibility:** Revenue generation through partnerships and advertisements.
- **Potential challenges and risks:**
  - Data security and privacy concerns.
  - Ensuring up-to-date and accurate travel information.
- **Strategies for overcoming these challenges:**
  - Implementing strong encryption and data protection measures.
  - Regular updates and partnerships with local tourism boards.

# IMPACT AND BENEFITS



## **Potential impact on the target audience:**

- Empowers travellers with reliable and comprehensive travel information.
- Boosts local tourism by highlighting lesser-known destinations.
- Enhances travel planning efficiency and user satisfaction.

## **Benefits of the solution:**

- Social: Encourages cultural exchange and understanding.
- Economic: Drives revenue for local businesses.
- Environmental: Promotes sustainable tourism practices.

# RESEARCH AND REFERENCES



- <https://www.geeksforgeeks.org/>
- <https://tourism.gov.in/>