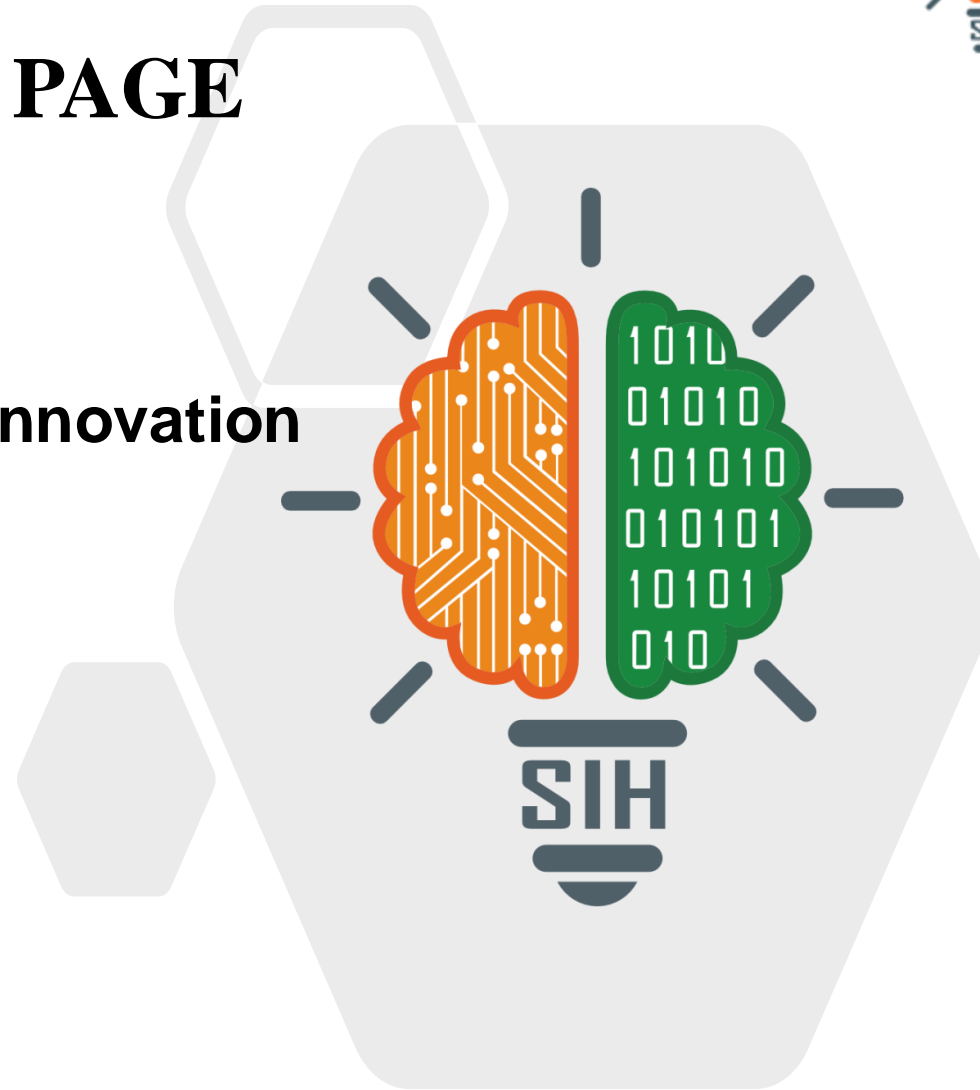# SMART INDIA HACKATHON 2024

TITLE PAGE

- **Problem Statement ID – SIH1598**

- **Problem Statement Title- Student Innovation**

- **Theme- Heritage And Culture**

- **PS Category- Software**

- **Team ID-2456**
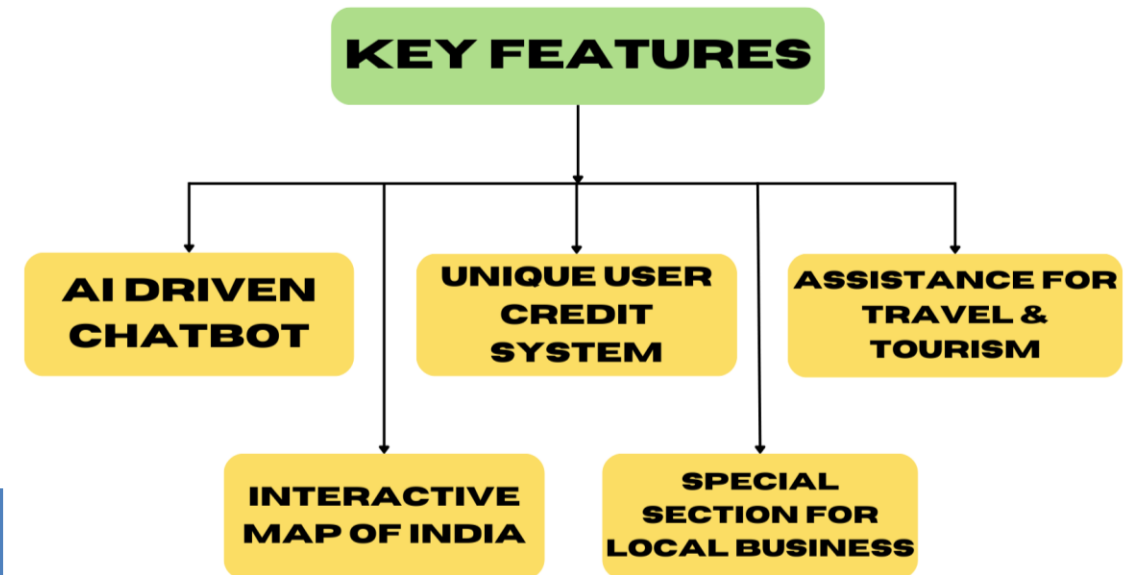
- **Team Name- Vision**

IDEA TITLE

A website based application which Promotes India's rich Heritage and Cultural sites with Interactive Map of India consisting of all 800+ districts with their unique heritage and cultural sites. It also offers AI driven chatbot to create a Interactive user experience. This website based solution also Includes Government schemes such as Incredible India, Vocal for local, which can help boost local economy around heritage and cultural sites. The main objective is to Help potential tourist to explore India's rich heritage and culture and support local economy around these sites with additional unique user credit system for such tourist.

Key Features:

- •Interactive Map of India:- A 2D map of India which includes 800+ districts of India with their unique heritage and cultural sites
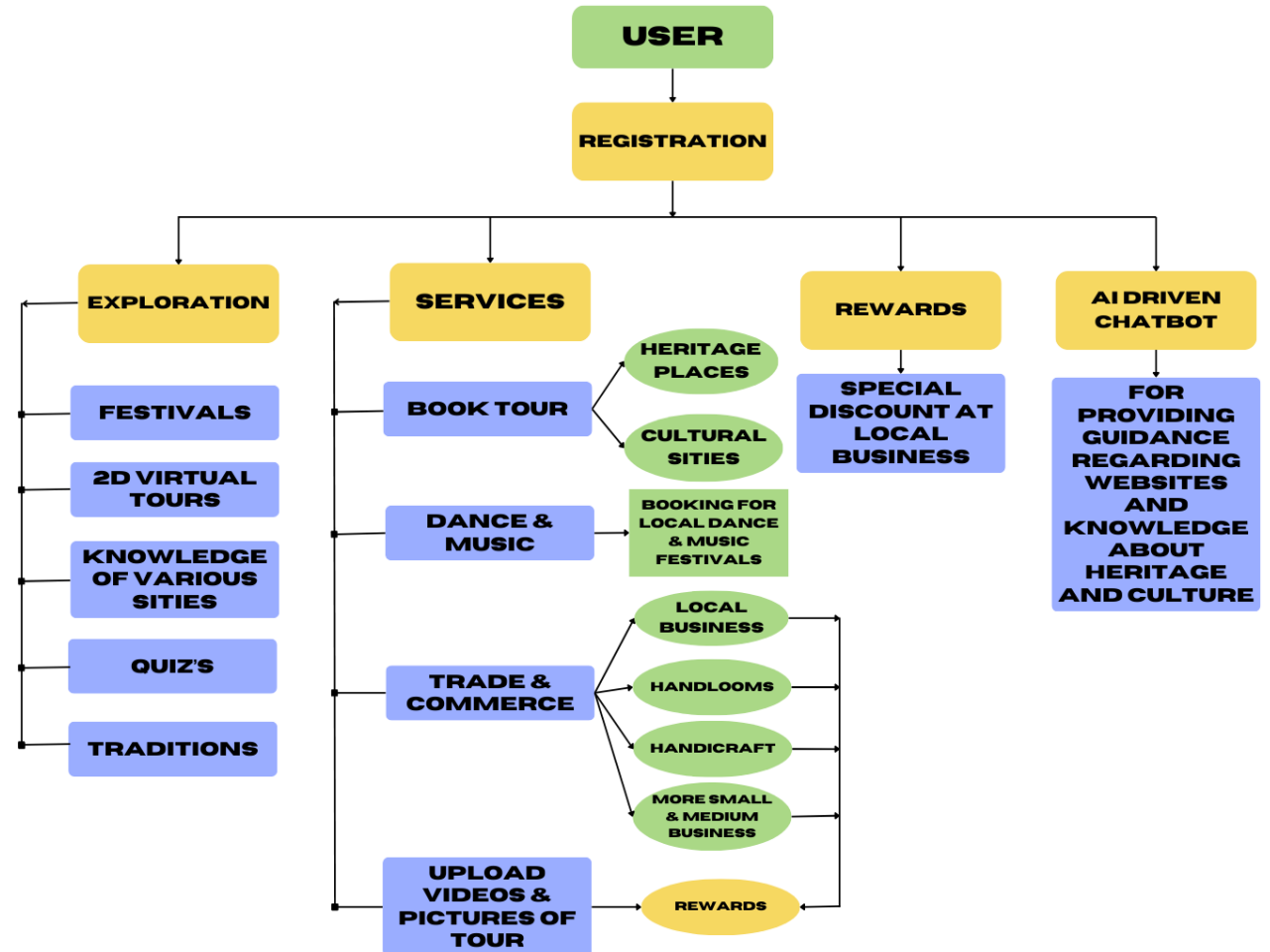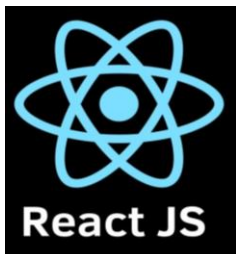
- •Special Section For Local Business:- A Dedicated Section for local business around these Heritage and Cultural sites will be provided

- •Assistance For Travel & Tourism:- When the user selects a place (Eg:pune) User will get all the information about places to visit in pune along with Travel Connectivity like trains,buses etc

KEY FEATURES

- AI DRIVEN CHATBOT
- UNIQUE USER CREDIT SYSTEM
- ASSISTANCE FOR TRAVEL & TOURISM
- INTERACTIVE MAP OF INDIA
- SPECIAL SECTION FOR LOCAL BUSINESS

TECHNICAL APPROACH

- **FRONTEND:-** HTML,CSS,JAVA & Using javascript framework "REACT".
- **BACKEND:-** Using Node.js with express to handle backend logic, API requests and responses.
- **Database:-** using MONGODB for storing data .
- **Chatbot:-** USING BOTPRESS SOFTWARE & DIALOGFLOW for quick setup with google's NLP engine for handling natural language queries.

TECHSTACK:-

FEASIBILITY AND VIABILITY

- **Feasibility** relies on technical capabilities, skilled team for development and content management. Content is focused on India's wide range of culture and heritage, along with creating engaging user experience.

- **Potential challenges and risks :** Challenges and risk for this project include data accuracy, technical complexity and maintaining cultural sensitivity

- **Strategies for overcoming these challenges :** To overcome these challenges, we'll ensure data accuracy through expert partnership, manage technical aspects with skilled developer, engage with cultural communities for sensitivity and focus on user experience.

- **Potential impact on the target audience :** This project will increase awareness and appreciation of India's culture and heritage. It also serves as educational resources, boost cultural tourism, engage communities in preserving heritage and inspire similar initiatives worldwide

- **Benefits of the solutions :** The project benefits include enhancing education of Indian culture preserving heritage, boost cultural tourism, engaging local communities and raising global awareness.

PROTOTYPE SCREENSHOT:- THE BELOW IMAGE SHOW THE PROTOTYPE SCREENSHOT OF OUR SPECIAL SECTION CREATED FOR EMPOWERING LOCAL BUSINESS AROUND THE HERITAGE AND CULTURE SITES.

RESEARCH:-

•Martin Alvarez-Espinar; 'Smart Heritage Preservation Through Open Data, Crowdsourcing, and Contextual Light Apps'; IEEE Xplore, 2023.

IEEE RESEACH PAPER

•Press Information Bureau of India

PIBINDIA

•REFERENCE & GUIDEDANCE FROM MP TOURSIM WEBSITE

MPTOURISM

FUTURE DEVELOPMENT:-

•INTEGRATION OF AR-VR FOR EXPERIENCING TRADITONAL CULTURAL LIKE GANGA AARTI,ETC IN VIRTUAL REALITY BY ACTUALLY SITTING IN HOME.

•INTEGRATION OF TRANSPORT SERVICES FOR LIKE BUSES,TRAINS,ETC FOR HASSLE FREE TRAVEL