

## **Information kiosk Department of Tourism**

**Objective:** The primary objective of this project is to create modern information kiosks equipped with AI capabilities, interactive AI chatbots, and facial recognition technology. These will provide tourists with personalized and context-aware services at key tourism locations across Kerala.

### **Scope of Work:**

#### **1. AI-Powered Information Kiosks:**

- **Real-Time Information:** Develop kiosks with AI capabilities to offer up-to-date information about local attractions, dining options, events, and more.
- **Personalized Recommendations:** Utilize AI to provide personalized suggestions based on the tourist's preferences, history, and current location.
- **Seamless Navigation:** Integrate advanced navigation features to guide tourists to their desired destinations effortlessly. include itinerary preparation. Integrate API.
- **Multilingual Support:** Ensure the kiosks support multiple languages, catering to both domestic and international visitors.
- **User-Friendly Interface:** Design an intuitive and engaging interface that is accessible to users of all ages and tech proficiency levels.
- **Data Analytics:** Incorporate data analytics to gather insights on tourist behavior and preferences for continuous service enhancement.

#### **2. AI Chatbots:**

- **Interactive Assistance:** Develop AI chatbots capable of real-time engagement with tourists, answering queries, providing recommendations, and offering support.
- **24/7 Availability:** Ensure the chatbots are operational round-the-clock to assist tourists anytime they need help.
- **Multimodal Interaction:** Implement both voice and text-based interaction options to enhance user accessibility and convenience.
- **Context-Aware Responses:** Utilize AI to deliver contextually relevant responses, improving the quality of interaction and tourist satisfaction.

#### **3. Facial Recognition Technology:**

- **Gender Recognition:** Implement facial recognition to capture the face of the user and determine whether the person is male or female.
- **Adaptive Interaction:** Customize the interaction style and content of the kiosk and chatbot based on the recognized gender, ensuring a more personalized experience.
- **Privacy and Security:** Ensure that all data captured is handled with the highest standards of privacy and security, complying with relevant regulations.

#### 4. **Logistics support: book cabs and related facilities**

- This component of the project focuses on providing tourists with seamless access to transportation services directly through AI-powered information kiosks. The goal is to simplify the process of booking cabs and other related logistics, ensuring tourists can easily move around and enjoy their visit without transportation concerns.
- The kiosk will be integrated with popular cab booking services /train/flight booking services via APIs. Tourists can select their destination, choose the type of vehicle they prefer (e.g., sedan, SUV, budget, luxury), and book a ride in just a few taps.
- Use Case: A tourist arriving at a key location like a museum can use the kiosk to book a ride to their next destination, whether it's another tourist spot, a hotel, or an airport. The system will provide estimated wait times, fares, and vehicle details.

#### **Eligibility Criteria:**

- Startups must be registered with the Kerala Startup Mission.
- Proven expertise in AI, facial recognition, and chatbot development, particularly in the tourism or related sectors.
- Ability to deliver a functional prototype within the specified timeframe.