**CEBU INSTITUTE OF TECHNOLOGY**

**UNIVERSITY**

COLLEGE OF COMPUTER STUDIES

Software Requirements Specifications

for

AudioScholar

**System Name:** TripSync

**Concept Overview:** TripSync is a travel itinerary planner with web and mobile app designed to help travelers plan their trips effectively. It allows users to create detailed itineraries, track expenses, discover local attractions with weather updates to ensure safe and enjoyable adventures

## ****Developers****

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3. -

## Functional requirements

### ****Mobile App****

1. **User Authentication:**
   * Users can Sign in/Sign up using email, google, or their social media accounts.
2. **Expense Tracker:**
   * Features Budget allocation and expense tracking for the trip.
   * Track expenses by category (ex. food, transportation, etc),
   * view remaining budget.
3. **Trip Creation and Management:**
   * Add a trip with details like destination, start/end dates, and trip title.
   * Integrate with APIs (e.g., Google Places) to suggest:
     + Popular tourist spots.
     + Restaurants and cafes.
     + Events happening during the travel
4. **Maps and Navigation tools:**

* Integration with Google Maps or Mapbox for route planning.
* Provide optimal navigation route to avoid hastle of traffic.

### ****Web Platform****

1. **Trip Creation and Management:**
   * Add a trip with details like destination, start/end dates, and trip title.
   * Integrate with APIs (e.g., Google Places) to suggest:
     1. Popular tourist spots.
     2. Restaurants and cafes.
     3. Events happening during the travel
2. **User Authentication:**
   * Users can Sign in/Sign up using email, google, or their social media accounts.
3. **Weather Updates**
   * weather forecasts for the travel destinations.
   * Integrate with **OpenWeatherMap API**: or other weather api.