Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

Department of Information Technology

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Title of the Project

App for safety and security of single woman traveler

ABSTRACT

In today's globalized world, the rise of solo travel among women has highlighted the pressing need for enhanced safety measures. While traveling can be an enriching experience, safety concerns often limit women's mobility and freedom to explore. Our application aims
to provide a secure, supportive environment that empowers solo female travelers by offering real-time safety solutions tailored to their unique needs.

Our platform integrates cutting-edge technologies such as geolocation services, emergency alert systems, and crowd-sourced safety reviews. The app allows users to share real-time location with trusted contacts, access verified safety ratings of destinations, and receive immediate assistance in case of emergencies. With these features, we aim to create a sense of security and confidence for women traveling alone.

Technologically, the app is built using React for an intuitive front-end user experience, while Node.js serves as the backend to manage dynamic data flow and user interactions. For data storage, we rely on MySQL, ensuring that user information and safety-related data
are securely handled. By leveraging APIs for mapping and emergency services, our app provides real-time updates, notifications, and alerts, ensuring travelers are informed about their surroundings.

Additionally, our commitment to user-centric design and continuous updates ensures that the app stays relevant to evolving safety challenges in different regions. By focusing on seamless usability and robust security, we aim to make solo travel safer and more enjoyable for women globally, empowering them to explore with peace of mind.

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