

Integrated Air Travel Management and Navigation System

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Abstract: *The Integrated Air Travel Management and Navigation System is a comprehensive, intelligent platform designed to revolutionize the air travel experience by unifying various aspects of travel management, real-time navigation, and flight operations into a seamless digital ecosystem. This system integrates booking, itinerary planning, airport navigation, baggage tracking, and in-flight services into a single, user-friendly interface accessible via web and mobile applications. Leveraging technologies such as Artificial Intelligence (AI), Internet of Things (IoT), GPS, and real-time data analytics, the system aims to enhance passenger convenience, streamline airline operations, and improve airport efficiency. One of its key features includes intelligent flight and gate navigation, offering real-time updates, indoor navigation assistance, and alerts for gate changes or delays.*

Keywords: Air Travel Management System, Artificial Intelligence, Real-Time Navigation, Passenger Experience Enhancement

