

# Smart Medi-Guard

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**Abstract:** *Smart Medi Guard is a digital healthcare assistance system designed to provide instant access to a patient's medical history during emergency situations. In many critical cases, patients are unable to communicate vital health information such as allergies, ongoing medications, or previous diagnoses, resulting in delayed or incorrect treatment. The proposed system uses QR code-based identification to securely retrieve patient medical records with minimal response time. Additionally, GPS-based location tracking is integrated to identify nearby ambulances, doctors, and medical stores, ensuring timely emergency support. The platform connects patients, healthcare professionals, and medical service providers through a unified interface. Secure cloud storage, role-based access, and data encryption ensure privacy and reliability. Smart Medi Guard aims to enhance emergency medical response, reduce human dependency, and improve treatment accuracy in both urban and rural healthcare environments*

**Keywords:** QR Code, Emergency Healthcare System, GPS Tracking, Medical Records, Smart Healthcare