Project Title

QR CODE BASED PATIENT FILE SYSTEM

Problem Statement

How might we help doctors shift from time consuming paper based records and manual data storage to a simple, secure digital system that captures patient notes, reports, and prescriptions in one place? The aim is to cut paperwork, prevent lost files, and lighten workload so doctors can focus more on care. The solution should be easy to learn and use, even for those with limited digital skills and tight schedules, with quick entry, voice options, and clear support, so daily documentation becomes faster, safer, and more reliable in busy clinics and hospitals.

Project Team



TEAM 2 - HEAL TECH HACKERS

Team Members

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SDG 3 – Good Health and Well-being

SDG Goals

SDG 9 – Industry, Innovation and Infrastructure

Solution

A centralized and secure digital repository can integrate and store patient and hospital records in one protected database, allowing authorized access anytime and reducing duplication. A full digital electronic health record system can organize history, labs, prescriptions, and imaging in a structured format. Smart patient registration with e-forms can capture data quickly and cut queues. Handwriting recognition can convert written notes into searchable text, while voice-to-text medical documentation can help doctors record findings hands-free. A QR code based patient file system can instantly retrieve records. Smart ID card wristbands can link patients to their data and improve safety. An AI chatbot for hospital staff can answer process questions, guide documentation, and support daily workflows, making record keeping faster, safer, and more efficient across departments.



