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MediCard

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Abstract: A Digital Medical Card is a secure, portable, and user-friendly electronic solution designed to store and manage an individual's health records. It serves as a centralized platform that enables patients, healthcare

providers, and institutions to access and update medical information in real time. The card typically contains vital data such as personal identification, medical history, allergies, prescriptions, lab results, and insurance details. By leveraging technologies like cloud storage, encryption, and QR codes or smart chips, the digital medical card enhances the efficiency of healthcare delivery, reduces paperwork, minimizes errors, and improves patient outcomes

Keywords: Digital Medical Card

I. INTRODUCTION

The digital medical card as so useful for the patients and doctors. The digital medical card is the personal health information in the card the card is useful for small baby to older people In the digital medical card are mobile technology, cloud storage, and secure authentication protocols are provided in the medical card history and the patients old information is the provided the card. The medical card is providing all the information of patient and doctors but the information not enable to patient the doctor's information but the information is enabled to patients to doctors. The digital medical card is like a case paper of the printed but in our medical card is online case paper is there. We can scan the QR code then all patient'sinformation

enables to the doctor. And which diseases are that patients after long time that diseases are also provided in that medical card. This is the introduction our project Digital Medical Card.

Here's a Literature Survey for a Digital Medical Card—organized and formatted in a way that's often used in academic or technical papers. It gives an overview of related work, current systems, technologies used, and existing challenges. Let me know if you're writing this for a report, thesis, or project proposal—I can adapt it as needed the advancement of healthcare technologies has led to the emergence of electronic health systems, with the Digital Medical Card (DMC) becoming a key innovation aimed at improving the management and accessibility of patient data. The literature reveals a growing interest in digitizing personal health information through various platforms, including smart cards, cloud systems, and mobile apps. The Digital Medical Card represents a convergence of these technologies, aiming to provide a secure, accessible, and interoperable solution for modern healthcare needs.

II. PROPOSED APPROACH

The proposed approach focuses on designing a secure, user-friendly, and interoperable Digital Medical Card (DMC) system that enables seamless access to personal health records for patients, doctors, and authorized healthcare providers. This approach aims to create a robust Digital Medical Card system that ensures **portability**, **privacy**, **and real-time access** to critical health information. By leveraging cloud computing, encryption, and modern APIs, the system enhances healthcare efficiency and patient engagement while adhering to strict data privacy norms. system is to

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create a secure, accessible, and interoperable platform that allows patients and healthcare providers to store, access, and manage health records efficiently.

III. CONCLUSION

The Digital Medical Card (DMC) represents a significant advancement in modernizing healthcare systems by offering a secure, portable, and efficient solution for managing personal health records. Through the integration of cloud computing, data encryption, and standardized health information protocols, the proposed system enhances the accessibility and accuracy of patient data while ensuring privacy and compliance with healthcare regulations. By enabling real-time access to medical history for both patients and healthcare providers, the DMC system can significantly improve the quality of care, reduce administrative burden, and facilitate faster, more informed decision-making—especially in emergencies. Its adaptability across platforms and potential for integration with existing healthcare infrastructure makes it a scalable and future-ready solution for both urban and rural health environments.



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