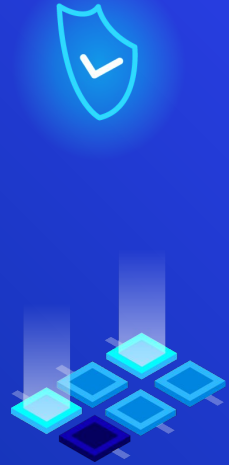# BE Project
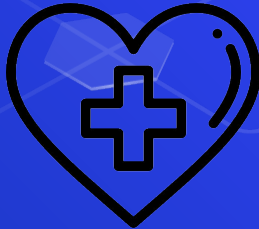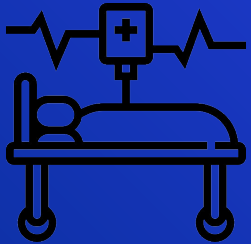
Team Members

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Health Information System Using Blockchain Technology

Abstract

In India most of the patients' & hospitals store medical data in conventional Hard Records System (paper based records). Due to which accessing and sharing medical records becomes difficult. Also there are high chances of papers getting misplaced, or loss of paper due to disasters such as floods, fire etc. Medical data is very sensitive in social aspect, so its confidentiality needs to be maintained. After taking all these factors into consideration we decided to make this project using Digital Records & Blockchain Technology which will be a small contribution towards Indian Healthcare Industry. The goal of creating such kind of a system is to provide ease of data access, sharing of digital health records, and to maximize the protection of patients' data. One of the main reason behind using Blockchain Technology is, it will provide a very strong security for patients' digital data.

Objectives

- Enabling quick access to patients' digital records for more coordinated & effective treatment
- Providing accurate, up-to-date, and complete case history about patients'
- Securely sharing digital information with doctors
- Enhancing privacy and security of patients' data by using Blockchain Technology
- Eliminating the need to maintain hard medical records
- Problem of lost or misplaced patient documents or reports will be eliminated
- Increasing patients' participation in system, thus increasing transparency

Benefits for society & environment

- **This project is a small contribution to our National goal of Digital India**
- **Promoting Green India Initiative by reducing the usage of paper**
- **If any patient wants to take an expert opinion from a doctor who is situated in another state or country, they can simply share the digital records with them. This will eliminate the need to travel & meet the doctor in person, thus saving time, money & energy of patient**
- **With the usage of this system, users will no longer need to maintain conventional files. All digital documentation will be available on the system**
- **If any global pandemic occurs in future, tracking of patients will be much more streamlined & it will be very beneficial for the government to control the health crises in more effective way**

Thank you