MEDICHAIN

An ethereum based patients record keeping system

By Jomol Jaison

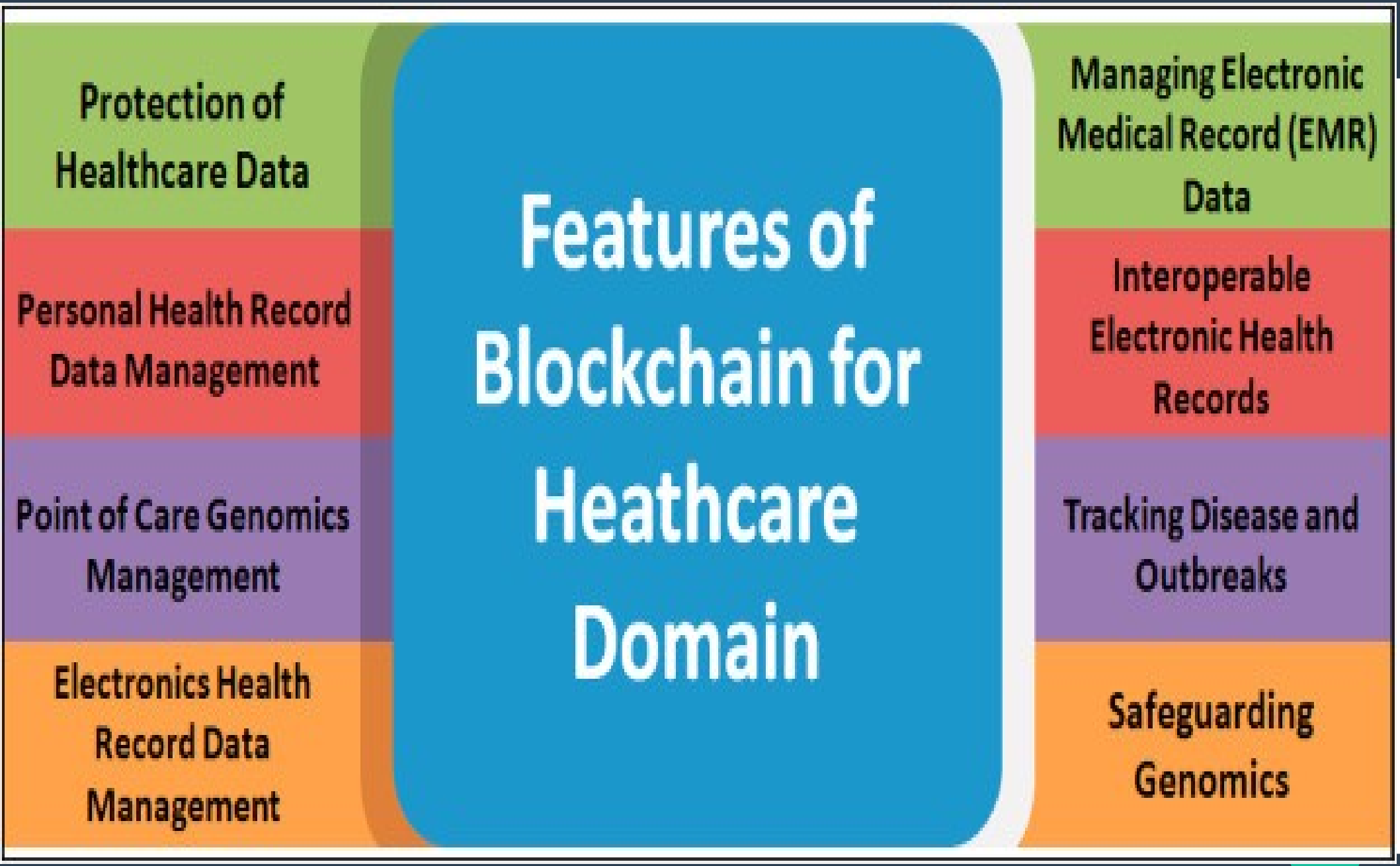
USECASE

- Improve medical record access.
- Cutting cost
- Improve medical record keeping
- Making Electronic Health Records more accessible
- Tracking Medical Credencials
- Improve patient-doctor interactions
- Prevent Diseases

SOLUTION

Decentralized medical record, MEDICHAIN

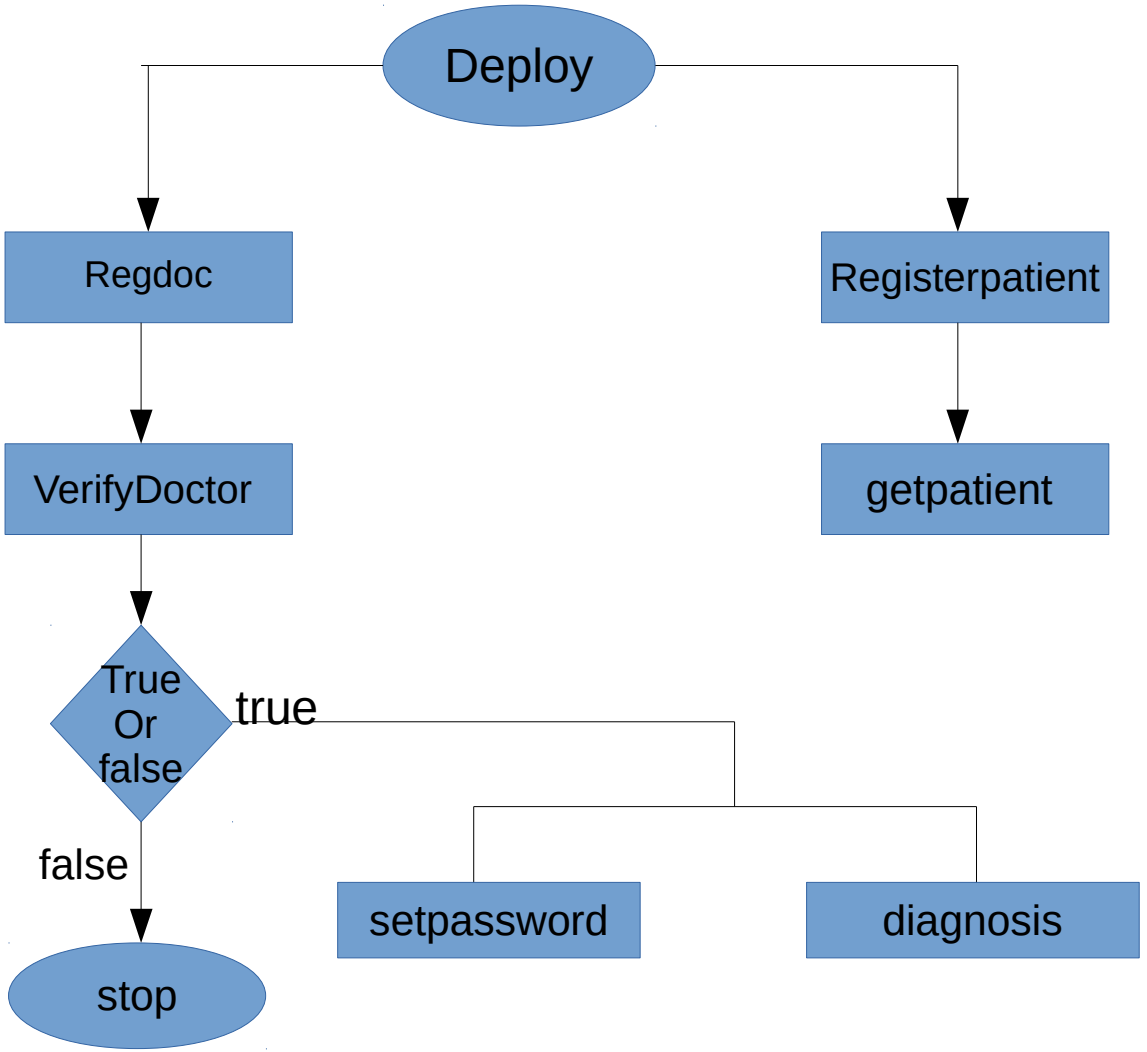
- Blockchain application use to store patients data .
- Secure than Electronic Health Record (EHR)
- Accessable only for verified doctors and patients
- Only verified doctors can update patients records
- Eliminated physical records


Protection of Healthcare Data
Personal Health Record Data Management
Point of Care Genomics Management
Electronics Health Record Data Management
Features of Blockchain for Heathcare Domain
Managing Electronic Medical Record (EMR) Data
Interoperable Electronic Health Records
Tracking Disease and Outbreaks
Safeguarding Genomics

Why ETHEREUM?

- Ethereum is a Generic Blockchain platform
- Permissionless,public or private
- Ether, Token via smartcontract
- Users of this application is not only one hospital, It includes all licenced hospitals in india and their patient
- Enterprise Ethereum facilitates the secure and organized exchange of data within the medical community through shared repositories. These mechanisms aim to protect patient records and anonymity. They make doctors more aware of the medical histories of their patients. Also, they enable researchers to use clinical data to accelerate scientific advancement.

WORKFLOW


Deploy
Regdoc
Registerpatient
VerifyDoctor
getpatient
True
Or
false
true
false
setpassword
diagnosis
stop

Participants

Ower:Admin of Smartcontract,Admin can set new admin

Doctors:A verified doctor can check or manage patient,verification by admin

Patients:Patients are registered by admin or hospital

FUTURE ENHANCEMENTS

Blockchain in the field of healthcare is very likely to expand in the future. Its applications in healthcare will improve with this technological innovation as it helps explain the outcomes and progress in the treatment process. Blockchain technology is core to validating transactions and transfers of information..

Combine with AI gadgets ,patients can use watchs,anklet the variation inthe users heart ,blood pressure,stroke,attacks,temparature can update to blockchain and a alert will go to patients gurdian’s or doctor’s personal devieses.

This technology promises to treat patient records, infringement prevention, interoperability improvement, the rationalisation of procedures, medication and prescription control, and medical and supply chains monitoring. Blockchain in healthcare is seen with a tremendous performance in the future.

THANKYOU