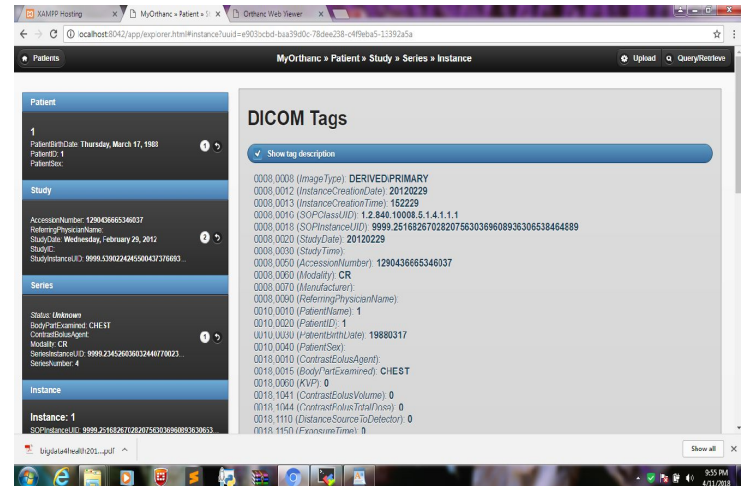
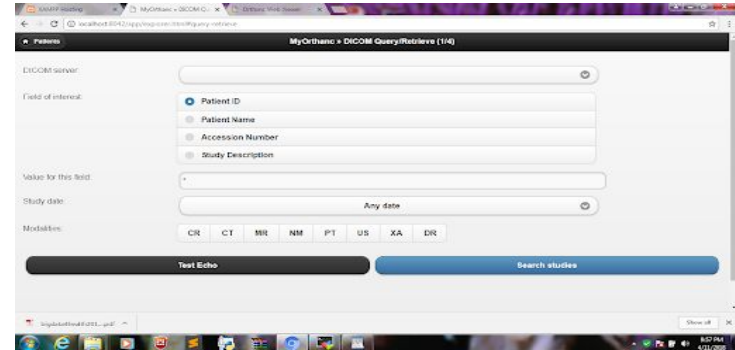


Electronic Medicine Trial & Test Records as a Service

Enable pharma companies and medical eco-system in drug trials and testing, patient care powered by Optimism DICOM data NFT marketplace, Tron's BTTC blockchain, Optimism Low Code Platform, Optimism Eco-system tools, OpenSea, Embark, Filecoin, Eth Web3 tools.



Our Team



Manu Sheel Gupta: Co-founder, Director at **SEETA** & Director, **Aspiring Investments Corp**

Manu is also a Mentor at Incubation Centre funded by Delhi Government.

- Former South Asia Lead at **One Laptop Per Child**, Cambridge, United States of America
- Research in Operating Systems and Wikipedia based spreadsheet systems supervised by **Walter Bender** at **MIT**, Boston and **Dan Bricklin**, Inventor of **VisiCalc**.
- Former Director at **Harvard Business School** India Schoolhouse Fund Corps



Deepti Gupta: Product Engineer, Consultant and Open Source Contributor

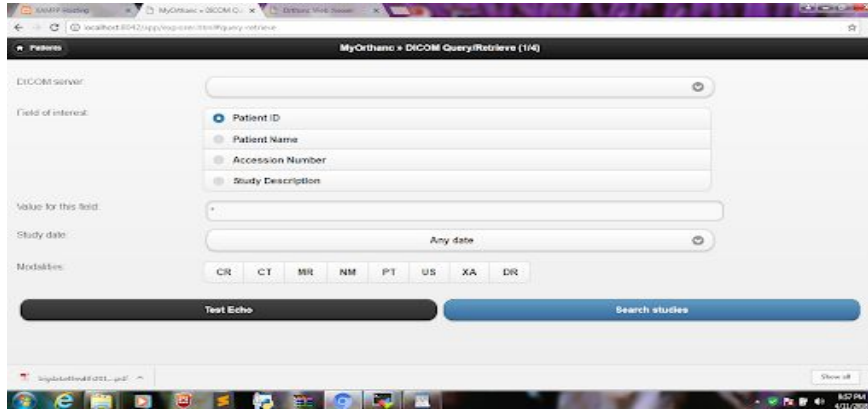
- Innovations and Developer Consultant at **SAP**. 9 years of developer experience in SAP with Oil and Natural Gas companies like **Chevron**, utility organizations like **United Utilities**, AES and aerospace organizations. Open Source Contributor and Developer



Vithika Gupta: Software Engineer, App Developer and Community Engineer

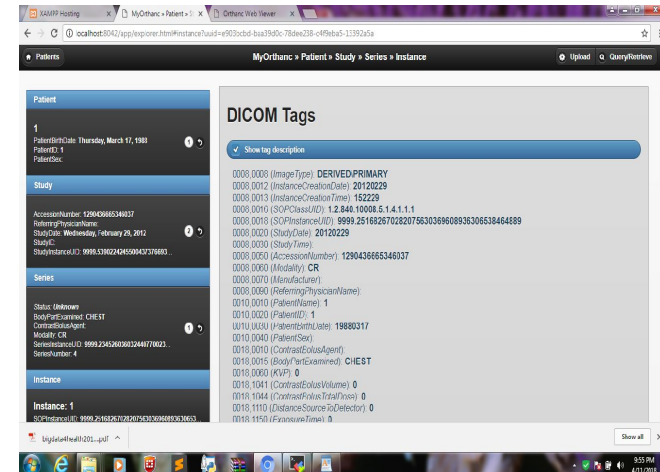
- Developer of Business and Financial products.
- Open Source **Mobile App Specialist**
- **Open Source Video Streaming** Integration and iot development

Problems



Collecting, aggregating and analyzing electronic medical records for drug design, development is a super expensive activity.

- Data Transparency
- Data Uniformity
- User Security Issues and Lack of Interoperability
- Data Analytics issues



The Solution

OP MED: Low code framework tool for Medication Log

OPTIMISM DICOM NFT Marketplace : Bulk query and retrieve of DICOM data

OP TestXLS: Patient's visit and Diagnosis Tooling with ionic framework

Tron's BTTC blockchain, ORTHANC PACS System

PYDICOM: Anonymize patients' data and interoperability

IPFS, Embark, Status and Ethereum

OPMed: Low code framework + Ionic tool

Default Select Device

Medication Log 1 Medication Log 2 Medication Log 3

Medication Log

Date _____

Medicine	Date Started	Date Stopped

Home Menu Files Account Subscribe

Saving screenshot... Default Select Device

Medication Log 1 Medication Log 2 Medication Log 3

Medication Log

Date _____

Medicine	Purpose	Size, Shape or Color

Home Menu Files Account Subscribe

Saving screenshot... Default Select Device

Medication Log 1 Medication Log 2 Medication Log 3

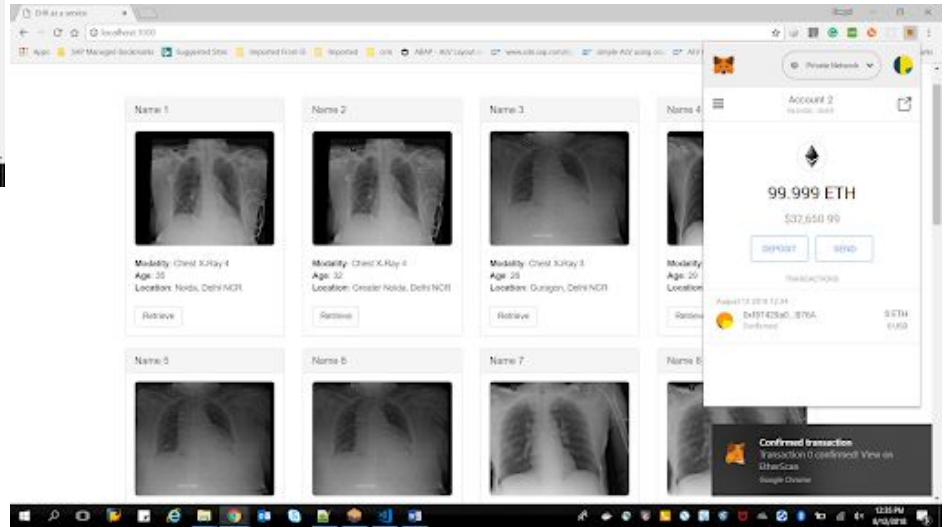
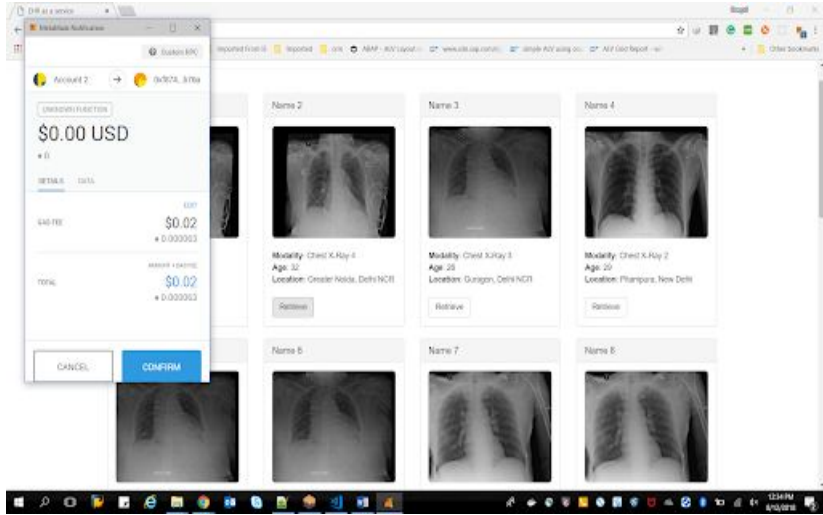
Medication Log

Date _____

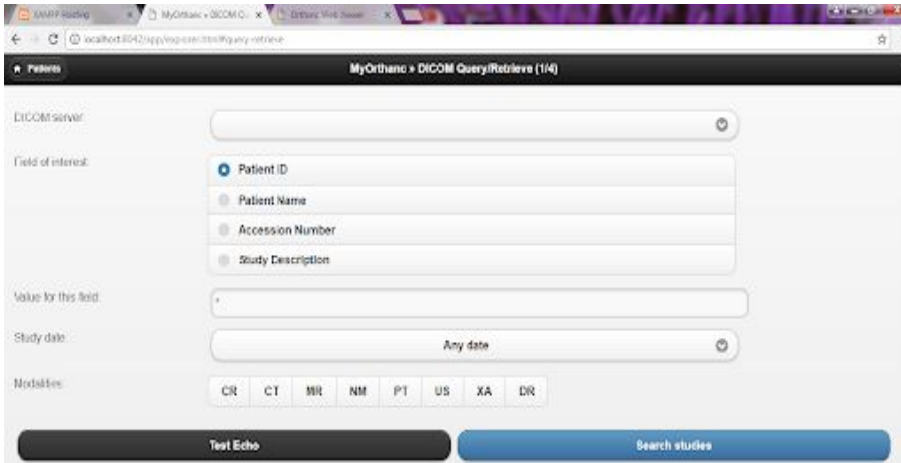
Medicine	Side Effects	Refill No

Home Menu Files Account Subscribe

OPTIMISM DICOM DATA NFT MARKETPLACE for BULK QUERY and RETRIEVE



OPTIMISM DICOM DATA NFT MARKETPLACE for BULK QUERY and RETRIEVE



MyOrthanc > DICOM Query/Retrieve (1/4)

DICOM server:

Field of interest:

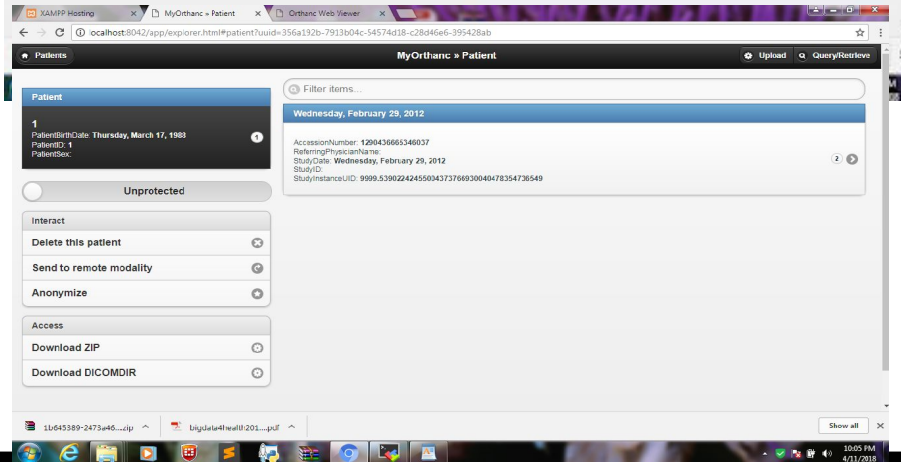
- Patient ID
- Patient Name
- Accession Number
- Study Description

Value for this field:

Study date: Any date

Modalities: CR CT MR NM PT US XA DR

Test Echo **Search studies**



MyOrthanc > Patient

Filter items:

1
PatientBirthDate: Thursday, March 17, 1988
PatientID: 1
PatientSex:

Unprotected

Interact

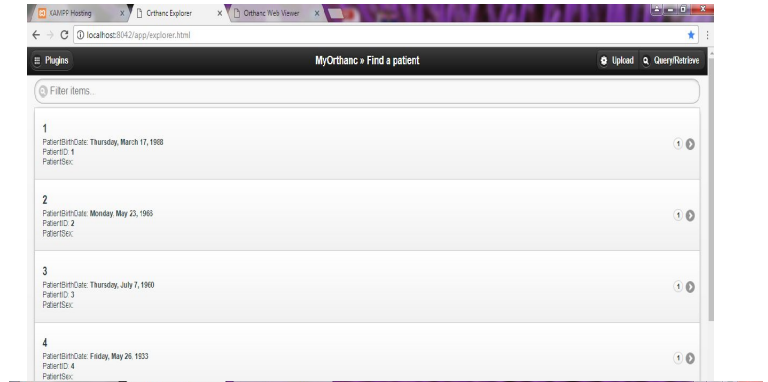
- Delete this patient
- Send to remote modality
- Anonymize

Access

- Download ZIP
- Download DICOMDIR

Wednesday, February 29, 2012

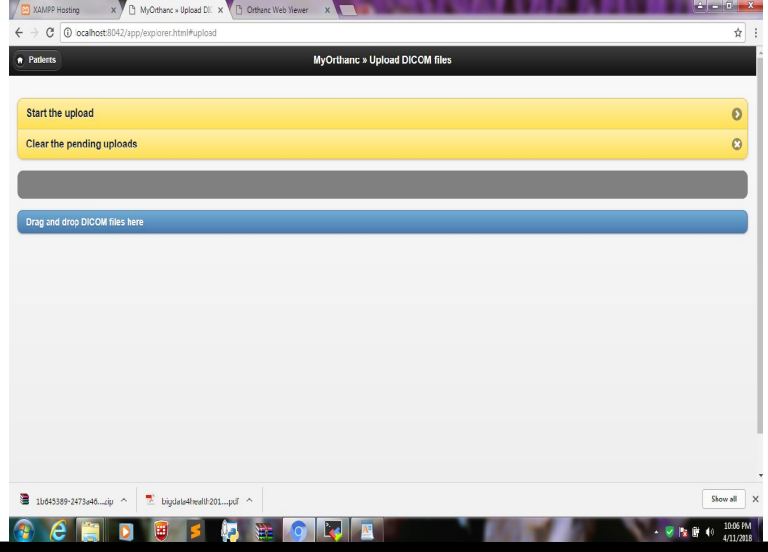
AccessionNumber: 120043666346037
ReferringPhysicianName:
StudyDate: Wednesday, February 29, 2012
StudyID:
StudyInstanceUID: 9999.5390224245503473786930040478354736549



MyOrthanc > Find a patient

Filter items:

- PatientBirthDate: Thursday, March 17, 1988
PatientID: 1
PatientSex:
- PatientBirthDate: Monday, May 23, 1965
PatientID: 2
PatientSex:
- PatientBirthDate: Thursday, July 7, 1960
PatientID: 3
PatientSex:
- PatientBirthDate: Friday, May 26, 1933
PatientID: 4
PatientSex:



MyOrthanc > Upload DICOM files

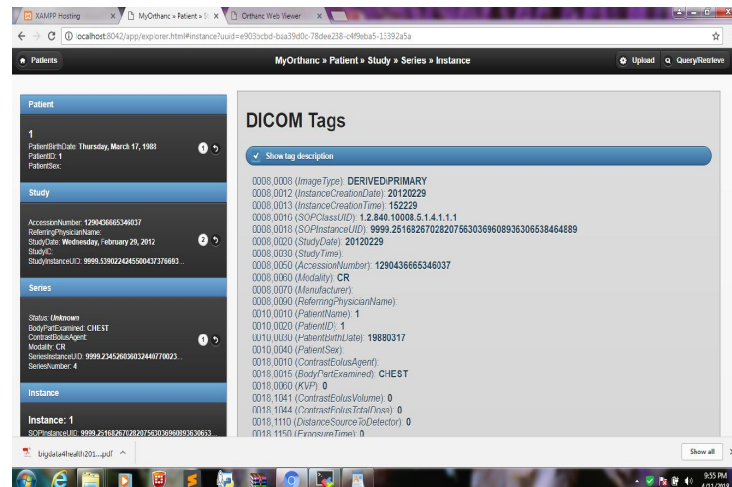
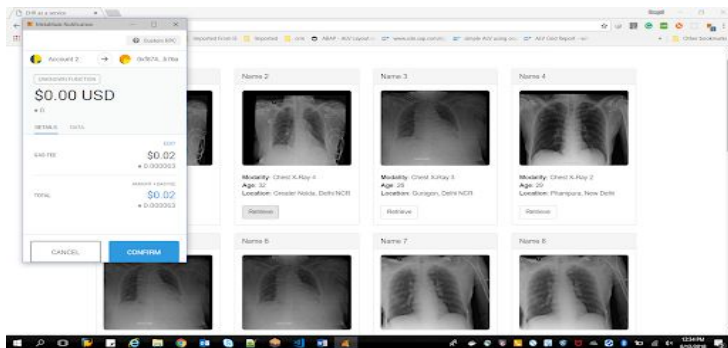
Start the upload

Clear the pending uploads

Drag and drop DICOM files here

Optimism DICOM NFT Marketplace

EMTTRs will issue d(NFT) on the DICOM tag for the patients powered by Optimism NFT Marketplace.



This NFT will provide the key DICOM tag information required after anonymization of data using PYDICOM open source library

This is how our NFT will look like!

OP Testxls: Patient's Diagnosis Tooling

Saving screenshot...

Default Select Device

Information Check-up Tests Drug

[Clinic Name]

[Street Address, City, ST Zip]

Phone No: _____

Date _____

Unit I/C _____

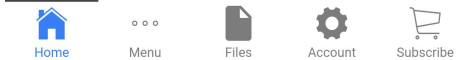
Name of Patient _____

Age _____

Sex _____

C.R.No. _____

Date	Treatment



Saving screenshot...

Default Select Device

Information Check-up Tests Drug

[Clinic Name]

[Street Address, City, ST Zip]

Phone No: _____

Lab Serial No _____

Patient Name _____

Referred By _____

Age / Sex _____

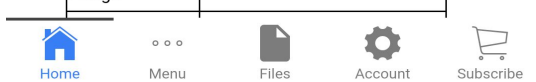
Reg. Date _____

Report Date _____

Sample _____

Collection Date _____

Test Name	
Result	
Biological Reference Range	



Saving screenshot...

Default Select Device

Information Check-up Tests Drug

[Clinic Name]

[Street Address, City, ST Zip]

Phone No: _____

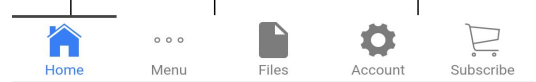
SPECIAL DRUG FORM

Patient Name _____

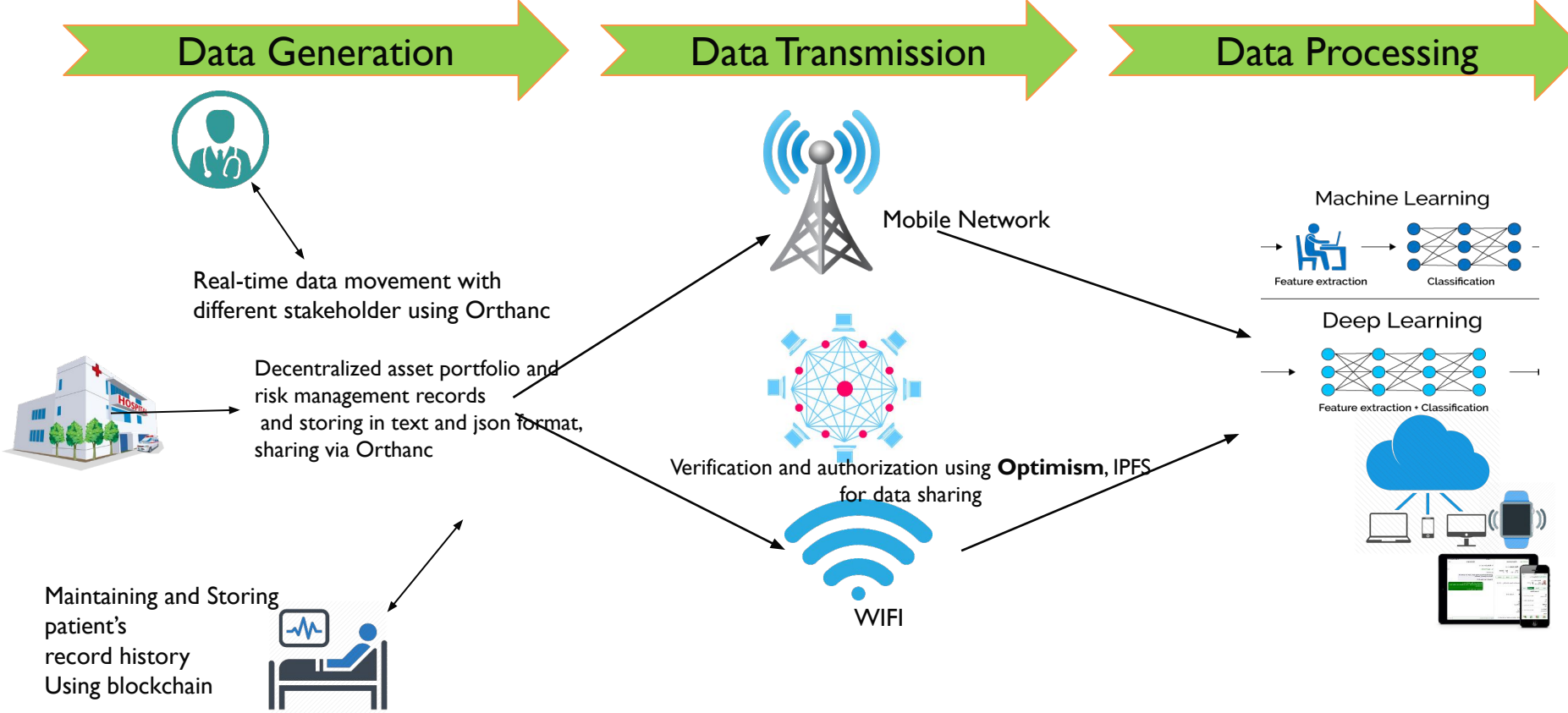
Form No: _____

Card No. _____

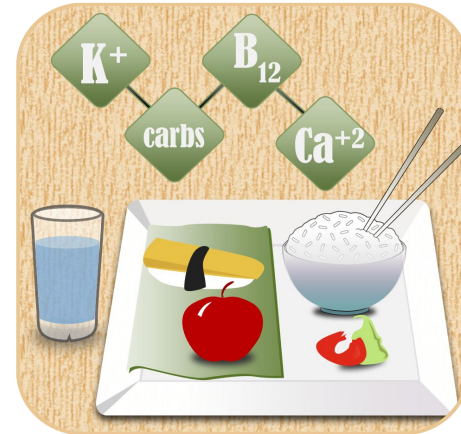
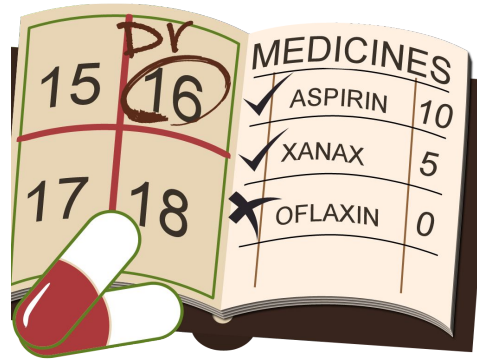
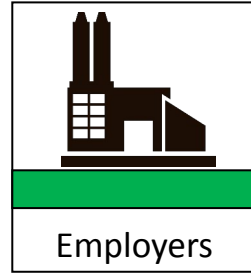
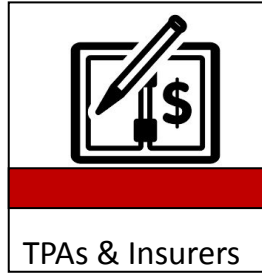
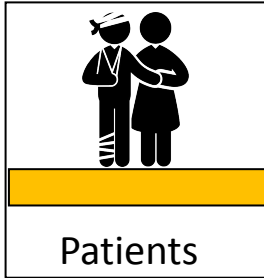
Quantity	Medicine Name



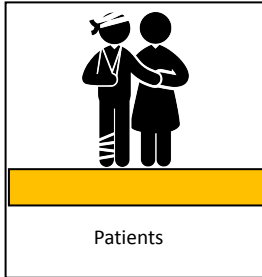
Device Agnostic Software Solution: Data Workflow in OP Medicine



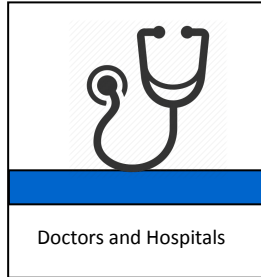
Benefits



Benefits



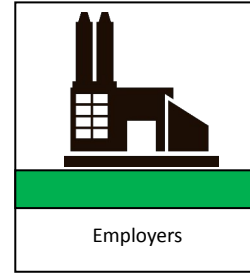
- Make instant appointments with a doctor and get quick access to e-records.
- Computer aided detection will help in early prediction and diagnosis of diseases.



- Prioritize and handle appointments better.
- Issue prescriptions
- Coordinate with specialists.
- Access to accurate records.
- Improved care.



- Connect all stakeholders
- Personalize care treatment.
- Accurate and timely payments
- Reduce cost of centralized systems



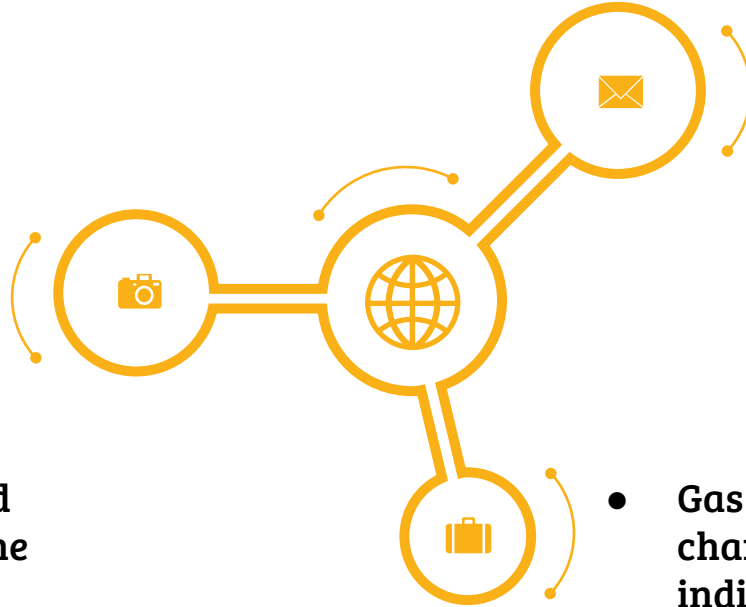
- Administer Benefit.
- Reduce healthcare costs.
- Reward employees
- Offer affordable benefit packages.



- Computer aided detection of diseases and development of prevention models.
- Personalized medicine and drug discovery practice.
- Reduce cost of centralized systems.

Business Model

- Revenue from selling the seller side platform and NFC tag to mint the NFT
- Onboarding process and demo fees to be charged from clients



- Royalty from the OP Med portal when they transfer their NFT to change ownership through our platform and app.
- Gas Fees (Eth) to be charged from individual sellers per NFT minted

Roadmap

Phase 1

PLATFORM FOR Ministry of Health TO EASILY MAKE DICOM NFT : Creating a simple GUI based integration on the government portal to add the DICOM DATA and mint the respective NFT's using Optimism



Phase 3

EXPANSION : Expanding our business for a variety of topographical spaces



Phase 2

B2G (Business to Government) PLATFORM - Integrating our software solution with Medical devices units, OEM providers to the Government like in Vizag. Collaboration in Progress.



Milestones to be achieved

