
Software
project:

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Date:

Mbera muganga:

This software project done to deal with health sector

DOCTOR

Company Name
Date

Software project:

Planning needs:

1

User roles:

2

Data collection:

3

Data visualization:

4

Security:

5

USSD Access code:

6

Web Access:

For design interface:

1

User interface:

.Simple

.Intuitive

.Accessible

2

Workflow:

. How will patients and doctors interact with the app.

USSD INTEGRATION

:

USSD Gateway provider:
Partner with provider that supports your target region(Rwanda,in this case).

01

Menu Structure:
Design an intuitive menu system

02

Data visualization:
How will doctors view patient data (e.g., charts, graphs)?

6

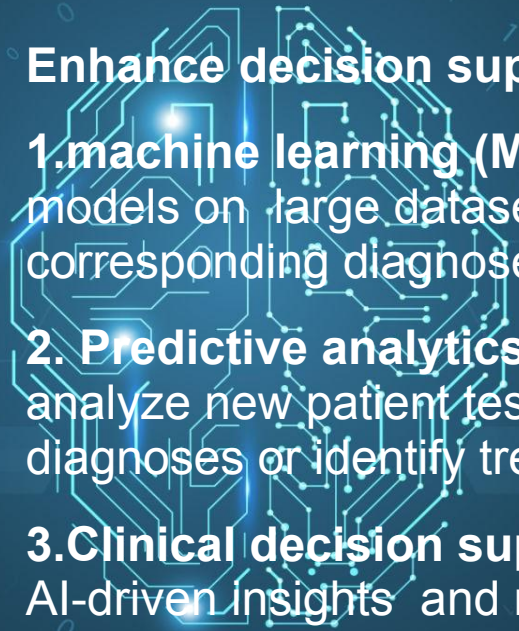
03

Security:
We'll need to ensure patient data protected (HIPAA compliance, anyone?

04

ARTIFICIAL INTELLIGENCE

INTEGRATING AI INTO SYSTEM



Enhance decision support for Doctors:

1.machine learning (ML) models: Train ML models on large datasets of patient test results and corresponding diagnose/outcomes.

2. Predictive analytics: Use these models to analyze new patient test data and predict potential diagnoses or identify trends.

3.Clinical decision support: Provide doctors with AI-driven insights and recommendations based on global guidelines and best practices.

Potential Ai applications:

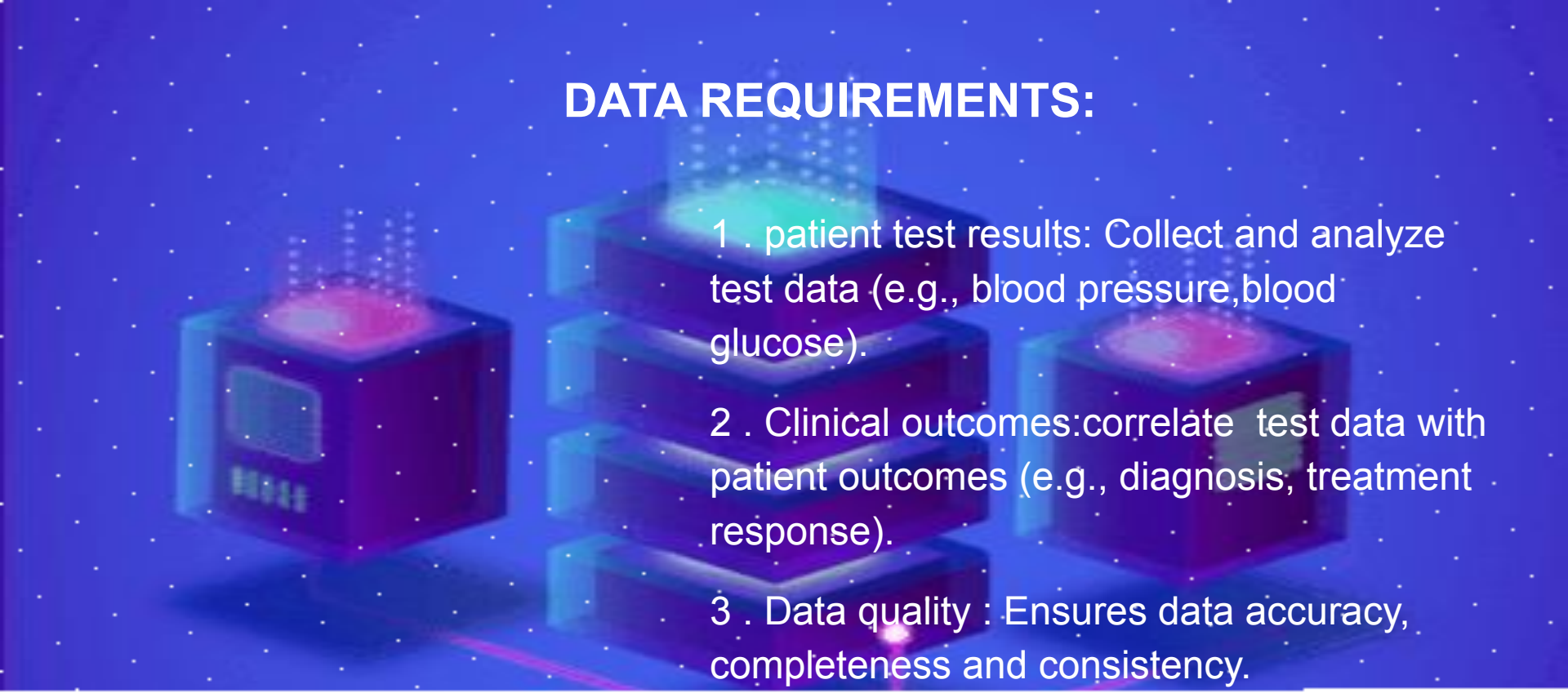
1 . Pattern recognition: identify abnormal tests patterns and trends.

2 . Risk stratification: predict patient risk levels based test results.

3. Treatment suggestions: offer evidence- based treatment recommendations.

AI integration we can use:

1. Use pre-trained models: Leverage existing ML models and APIs(e.g., Google cloud AI, AMazon sage marker).Develop custom
2. models: train your own models using patient data and collaborate with clinicians.
3. Integrate with existing systems; Ensure seamless integration with your web app and USSED system.



DATA REQUIREMENTS:

1 . patient test results: Collect and analyze test data (e.g., blood pressure,blood glucose).

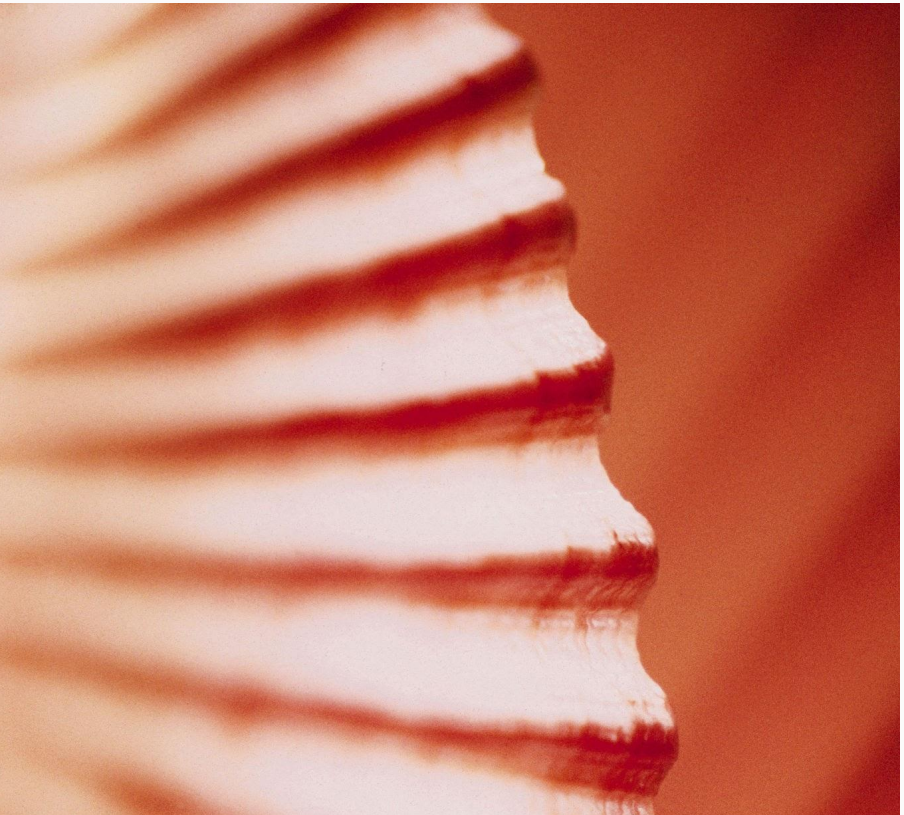
2 . Clinical outcomes:correlate test data with patient outcomes (e.g., diagnosis, treatment response).

3 . Data quality : Ensures data accuracy, completeness and consistency.

Potential partnerships:

1. Hospital and clinics:collaborate with healthcare providers to access anonymized patient data.
2. Healthcare organizations:Partner with organised that specialize in diabetes care .
3. Research institutions: collaborate with researchers to leverage existing datasets and expertise.

Agenda



01 Speakers

02 Last quarter’s highlights

03 Challenges

04 Open discussion 1

05 SWOT analysis

06 Next quarter’s goals

Data Privacy and security:

1.HIPAA Compliance: Ensure compliance with healthcare data regulations.
2. Data encryption: protect patient data with robust encryption methods.
3 . access controls: implement strict access controls for authorized personnel.

MONTH YEAR

Quarterly planning *meeting*

Company Name

Use this space for legal copy.
Explain if the information is confidential,
who can read this deck, etc.

MONTH YEAR

Quarterly planning *meeting*

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Connectivity Option: