

A doctor in a white lab coat and stethoscope is sitting at a desk, writing on a notepad with a white pen. A patient in a dark blue shirt is sitting across from the doctor, looking at the notepad. The doctor is wearing a gold watch on their left wrist. There is a tablet on the desk next to the notepad. The background is blurred.

Software  
project:mbera  
muganga  
software  
project.

Katurebe Benon  
Date:

# Mbera muganga:

This software project done to deal with health sector



## DOCTOR

Company Name  
Date

# *Software project:*

*Mbera  
muganga*

An abstract graphic on the right side of the page. It features a series of parallel, slightly curved blue lines that create a sense of depth and movement. A prominent, thick, dark blue curved line sweeps across the lower right, framing a lighter blue area. Within this lighter area, there are fine, parallel lines, suggesting a textured or woven surface. The overall composition is dynamic and modern.

# *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)?

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.**


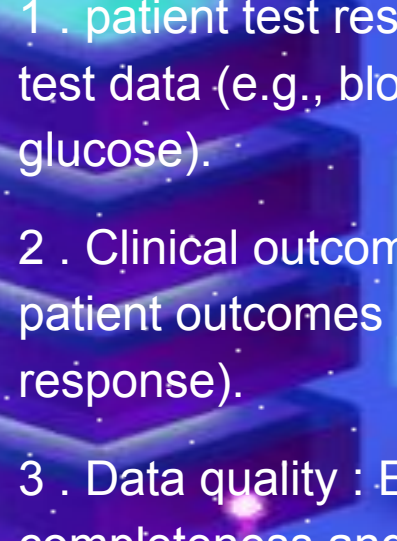
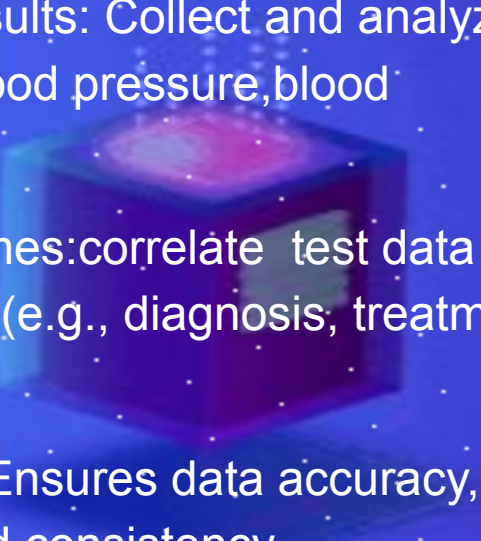


# AI integration we can use:

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 USSD 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.

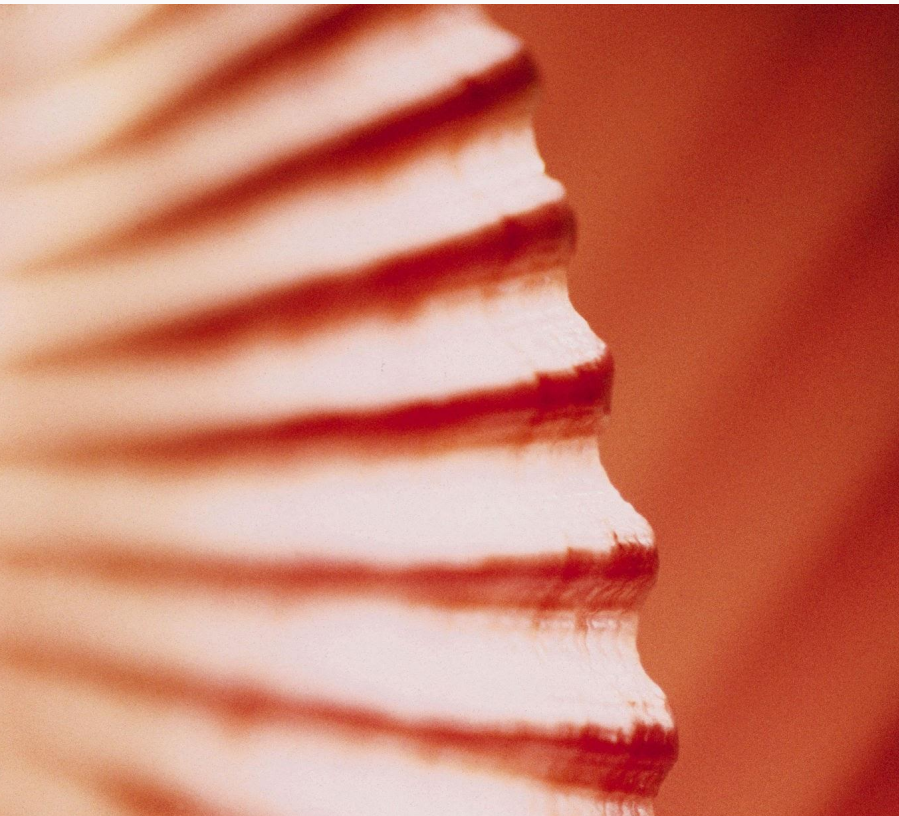
# Potential partnerships:

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



# Agenda

MONTH YEAR



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:

MONTH YEAR

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.







# Quarterly planning *meeting*

MONTH YEAR

Company Name

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Explain if the information is confidential,  
who can read this deck, etc.



# Quarterly planning *meeting*

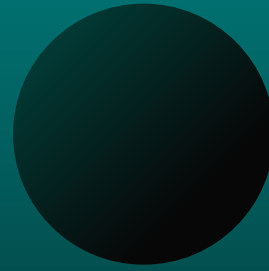
MONTH YEAR

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# Connectivity Option:



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