



2018

## COMPANY PROFILE



Website: [fmpiza.github.io/webfridolin](https://fmpiza.github.io/webfridolin)

Tel: +255 (0) 683 168 429  
+255 (0) 713 826 484

"We Trust in Technology then Technology guides Us"

## FRIDOLIN'S TECHNOLOGY COMPANY

Website | Mobile Application  
Development | Ethical Hacking |  
Biometrics | Cyber Security | ICT  
Consultation | Computer Forensic  
| Cryptographic Ciphers Coding |  
Digital Coding Algorithm



## COMPANY PROFILE

# Fridolin's Technology Company

**Website | Mobile Application Development | Ethical Hacking | Biometrics | Cyber Security | ICT  
Consultation | Computer Forensic | Cryptographic Ciphers Coding | Digital Coding Algorithm**

**2018**

# Table of Contents

<b>ABOUT US .....</b>	4
<b>Our Vision and Mission .....</b>	5
<b>Company Summary .....</b>	1
<b>Management .....</b>	1
<b>Customer Policy .....</b>	1
<b>Solution Online .....</b>	1
<b>Project Cost / Payment Policy .....</b>	2
<b>Registration Certificates .....</b>	1
<b>Company Portfolio (Customer Projects) .....</b>	2
<b>Project Proposals.....</b>	5
<b>Company ICT Policy.....</b>	214

## ABOUT US



### Brief on Fridolin's Technology Company

Is a Tanzanian Private Owned Company established in 2018 under the general supervision of Chief Executive Officer and Founder, namely **Fridolin A. Mpiza** (C.E.O)

The company was first established with a purpose of ensuring the different social challenges can be well solved by using the technological basis in corresponding to the current global development of Science and Technology under the optimal level of expertise.

### Offered Services

The Company offers several services including Website and Mobile Applications Development, Cyber Security, Biometrics, Ethical Hacking, ICT Consultation, Cryptographic Ciphers Coding, Network Configuration, Computer Forensic and

Digital Coding Algorithms under the highest level of expertise.

### Our Motto

The Company offers its services to the customers by only believing in their Motto sentenced as following;

***"We trust in Technology then Technology guides Us"***

### Our Commitment

A Company is committed to offer its services under the consideration of first reaching to the customer's satisfaction and reasons for working with a company at the optimal point of expertise due to the highest reasonable experience on the mentioned services.

## **Our Vision and Mission**



## ***See Our Vision and Mission***

### ***Our Vision***

The Company offers its services to their customers under the leading vision to be the first global market leader on respectively quoted services by using the highest level of experience and expertise.

### ***Our Mission***

The Company aimed at providing the best and the highest quality technological services to their customers under the usage and deployment of the highest experienced expertise on the mentioned offered services by the deep thinking and consideration of the best practice and innovation modes of offering the services to their customers.

## Company Summary

***Company Name:***

Fridolin's Technology Company

***Company Type:***

Private Owned Company

***Registered Office Location***

**Country:** Tanzania

**Region:** Arusha

**District:** Arusha

**P.o.Box:** 6990, Arusha

**Website:** [fmpiza.github.io/webfridolin](https://fmpiza.github.io/webfridolin)

**Email:** [fridolinmpiza82@gmail.com](mailto:fridolinmpiza82@gmail.com)

***Mobile Phone Number:***

+255 (0) 683 168 429

+255 (0) 713 826 484

**Skype:** fridolinmpiza82

***Business Activity:***

- Developing and designing Website Applications
- Developing and designing Mobile Applications
- Implementation of Cyber Security activities
- Implementation of Ethical Hacking activities ( Penetration Testing)
- Implementation of Biometric Technologies (Sensors verification and Authorization)
- Cryptographic Ciphers coding
- ICT Consultation
- Implementation of Computer Forensic
- Implementing and structuring of Digital Coding Algorithms

## Management

The Company consist of the Management which tends to accomplish the customer's satisfaction on their offered services including the following;



**Fridolin A. Mpiza** (C.E.O) Chief Executive Officer and Founder,

### **Network and Software Engineer**

7+ Years Experienced in Network and Software Engineering.

**Education:** Masters of Science in Information Security (MIS)

**Areas of Specialization:** Network and Software Engineering, Ethical Hacking implementation, Biometrics Technologies, ICT Consultation, Cryptographic Ciphers Coding, Cyber Security and Implementation of Digital Coding Algorithms



**Beatrice Johnson, Marketing Officer**

4+ Years Experienced in Digital Marketing activities.

**Education:** Bachelor Degree in Marketing

**Areas of Specialization:** Implementing the digital Marketing, branding and digital product advertisement with optimal effect

## **Customer Policy**

The Company also use a specified mode of payment to be well considered by their customers in relationship to the offered services as follows;

A Project is guided under three Execution Timelines

- Initial Design as per Discussion to meet client's needs
- Functional Prototype
- Application Development and Complete Testing

## **Solution Online**

The Company will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

## **Project Cost / Payment Policy**

Also, The Company is guided under several payment criteria / protocols which should be well understood by their customers regarding to the offered services including the following;

- **Initial Invoice** (**30%** of Total Project Cost should be paid. Including a Start of Project Development)
- **Approved Design Invoice** (**Extra 20%** of Total Project Cost, Display Project to a Client)
- **Final Invoice** (**50%** should be paid. Complete Deployment and Client receive a complete project)

<b>Task</b>	<b>Price (USD)</b>	<b>Price (Tsh)</b>
<b>Initial Invoice</b>	XXX /=	XXX /=
<b>Approved Design Invoice</b>	XXX /=	XXX /=
<b>Final Invoice</b>	XXX /=	XXX /=
<b>TOTAL AMOUNT</b>	XXXX USD /=	XXXX /=

## Registration Certificates



## Company Portfolio (Customer Projects)

The Company participated in several customer's projects under the consideration of producing the highest quality products to their customers including of all categories of Software programming

( Website Application and Mobile Application Development), Ethical Hacking, Cyber Security, Biometrics Technologies, ICT Consultation, Digital Coding Algorithms and Computer Forensic areas of expertise.



**FRIDOLIN'S TECHNOLOGY COMPANY**

**Barcode / QR Scan Payment System**

Link: [fmpiza.github.io/barcodepaymentportal](http://fmpiza.github.io/barcodepaymentportal)

**Faida za Mfumo**

- Ni kwa mitandao yote ya simu
- High Security / ulinzi wa kutosha
- Usiri wa kutosha kwa taarifa za mtumiaji
- Ni rahisi kutumia
- Unagenerate Ripoti kwa haraka

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**fmpiza.github.io/webfridolin**  
Call : (+255) 683 168 429 / 713 826 484



**FRIDOLIN'S TECHNOLOGY COMPANY**

**ONLINE GAS BOOKING SYSTEM**

Link : [fmpiza.github.io/gas](http://fmpiza.github.io/gas)

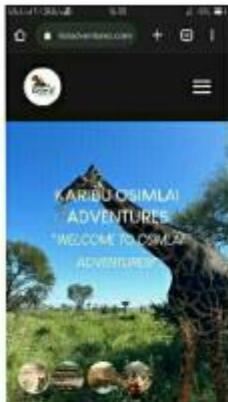
**Faida za Mfumo**

- Kuagiza Gesi mtandaoni
- High Security / ulinzi wa kutosha
- Kutambua maduka ya Gesi yaliyo karibu (Raimani)
- Kutunza taarifa za wateja
- Kulipia na kupata gesi mtandaoni
- Ni rahisi kutumia
- Ni kwa lugha ya Kiswahili na Kiingereza

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**fmpiza.github.io/webfridolin**  
Call : (+255) 683 168 429 / 713 826 484



### **FRIDOLIN'S TECHNOLOGY COMPANY**

#### **TOURISM WEBSITE APPLICATION**

Link : [osimlaiaadventures.com](http://osimlaiaadventures.com)

#### **Faida za Mfumo**

- Wageni / Watalii ku book Safari online
- Kutangaza vivutio vya utalii
- Kuwezesha watalii kuandika remark za safari
- Kufanya Malipo ya safari online
- Kuweka matangazo ya biashara



[fmpiza.github.io/webfridolin](http://fmpiza.github.io/webfridolin)  
Call : (+255) 683 188 429 / 713 826 484



### **FRIDOLIN'S TECHNOLOGY COMPANY**

#### **POINT OF SALE MANAGEMENT SYSTEM (POS)**

Link : [fmpiza.github.io/possystem](http://fmpiza.github.io/possystem)

#### **Faida za Mfumo**

- High Security / Ulinzi mkubwa
- Kutunza taarifa za wateja
- Kudhibiti hasara kattika biashara
- Kutunza taarifa za bidhaa za jumla na rejareja
- Kugenerate Ripoti ya mauzo  
Kutoa remark ya bidhaa (Mbovu na Nzima)
- Ni rahisi kutumia



[fmpiza.github.io/webfridolin](http://fmpiza.github.io/webfridolin)  
Call : (+255) 683 188 429 / 713 826 484



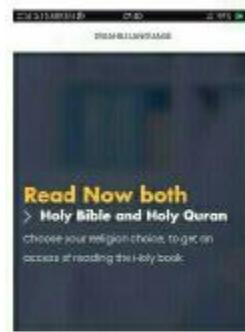
**FRIDOLIN'S TECHNOLOGY COMPANY**  
**Online FriChatting Application**

Link : [fmpiza.github.io/chattingapp](http://fmpiza.github.io/chattingapp)

**Faida za Mfumo**

- High security / Ulinzi mkubwa
- Mtumiaji kuchati na mwenzake
- Kutengeneza group la kuchati
- Kutuma picha, video na audio kwa mtu
- Kutengeneza profile ya mtumiaji

 [fmpiza.github.io/webfridolin](http://fmpiza.github.io/webfridolin)  
Call : (+255) 683 168 429 / 713 826 484



**FRIDOLIN'S TECHNOLOGY COMPANY**  
**Online Holy Books Reading Application**

Link : [fmpiza.github.io/holybook](http://fmpiza.github.io/holybook)

**Faida za Mfumo**

- Kusoma Biblia Takatifu na Quran Tukufu mtandaoni
- Ni kwa lugha ya kiswahili na klingereza
- Ni rahisi kutumia

  [fmpiza.github.io/webfridolin](http://fmpiza.github.io/webfridolin)  
Call : (+255) 683 168 429 / 713 826 484

# Project Proposals



## **ONLINE GAS SELLING MANAGEMENT SYSTEM PROPOSAL**

**Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer**

## CONTENTS

1.0 INTRODUCTION .....	3
2.0 TECHNOLOGIES USED .....	3
3.0 SYSTEM DASHBOARD .....	4
3.1 Locate Nearby Gas Shops .....	4
3.2 Customer Registration .....	4
3.3 Payment for Service .....	5
3.4 Booking Section .....	6
4.0 Solution Online .....	7
5.0 Execution Timeline.....	8
6.0 Project Costs.....	9

## **1.0 INTRODUCTION**

This is Bi-modal Languages Automated Engineered System developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can make an online Gas Booking wherever He / She is in a such a way that a Gas supplier can distribute a service to the physical location of his customer. Also, a system tends to show the nearby Gas shops depends on the location of the customer. Therefore, a system saves the customer's information as a reference for the logistic process to be done by the supplier.

A system designed in a very user friendly mode of interaction where a system user can easily understand as well as using a system without any difficulties or complications in the user manual.

## **2.0 TECHNOLOGIES USED**

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

- Cryptographic Algorithms,
- Application Programming Interface (API)
- Security hashes
- JavaScripts (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language)
- Mysql Database

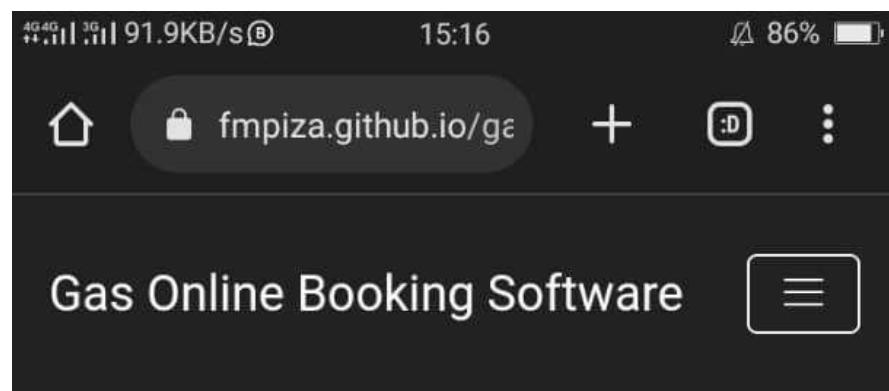
All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

### 3.0 SYSTEM DASHBOARD



### **3.1 Locate Nearby Gas Shops**

- This is a system section where user can look for all nearby Gas shops depend on his actual physical location. Therefore, he or she can see a Map marked with Gas Shops as Icons to determine here shops are located with corresponding to the real location of customer. It appears as follow



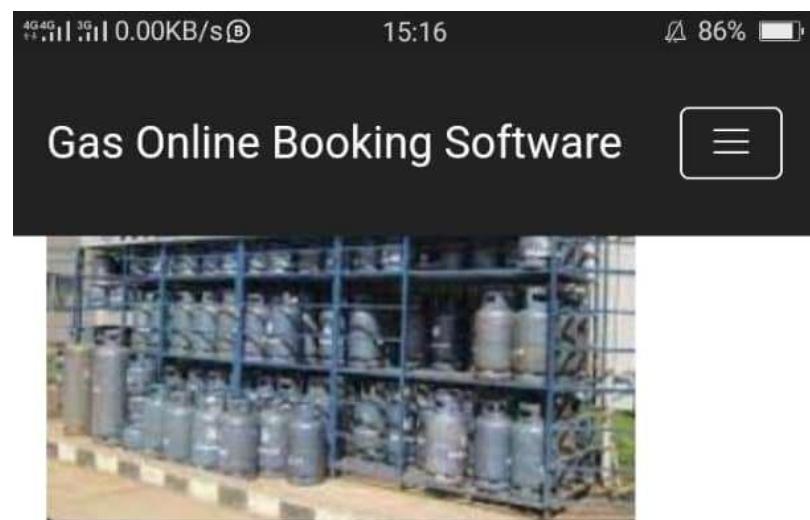
## Gas Shops

A system is fully accessed to all available gas shops from the regions wide ranked to the street and house numbers locations corresponding to the required kinds of customers. Also, a customer can easily see Map locations of available gas shops for an easy recognition of their nearby available requirement access from the regional wide to street wide ranked as arranged systematically.



### **3.2. Customer Registration**

- On this section, a system user can make a self-registration in order to complete the process of booking. Here there are some of details that a system user will be required to fill such as a Full name, Phone number, House Number, Amount and a type of service. It appears as follow



Full Name

Phone Number

Email Address

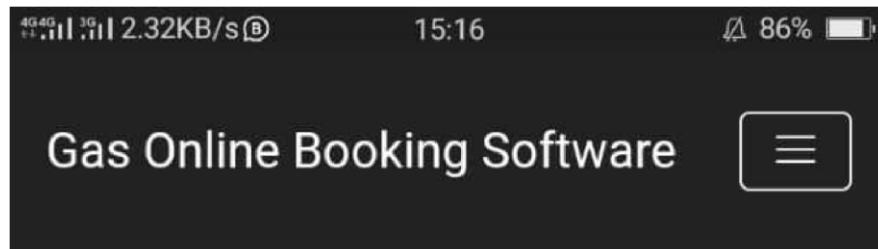
Street Name

House Number / Owner Name

Register Now

### **3.3. Payment for Service**

- On this section, a system user can see different modes of making payment for a service that He/ she needs. Therefore, different payment approaches such as Airtel Money, TigoPesa or HaloPesa can all be used by the customer to make payment for a type of service that He needs. After the payment to be successfully done and received then a customer will see a confirmation message as a proof. It appears as follows



## Modes of Payment

- Airtel Money : 0683 168 429, Name : TAIFA GAS
- Tigo Pesa : 0713 826 484, Name : MANJIS GAS
- M-Pesa : 0764 543 811, Name : ORYX GAS

Please Check your Email After Payment and  
Confirmation of your particulars

Full Name

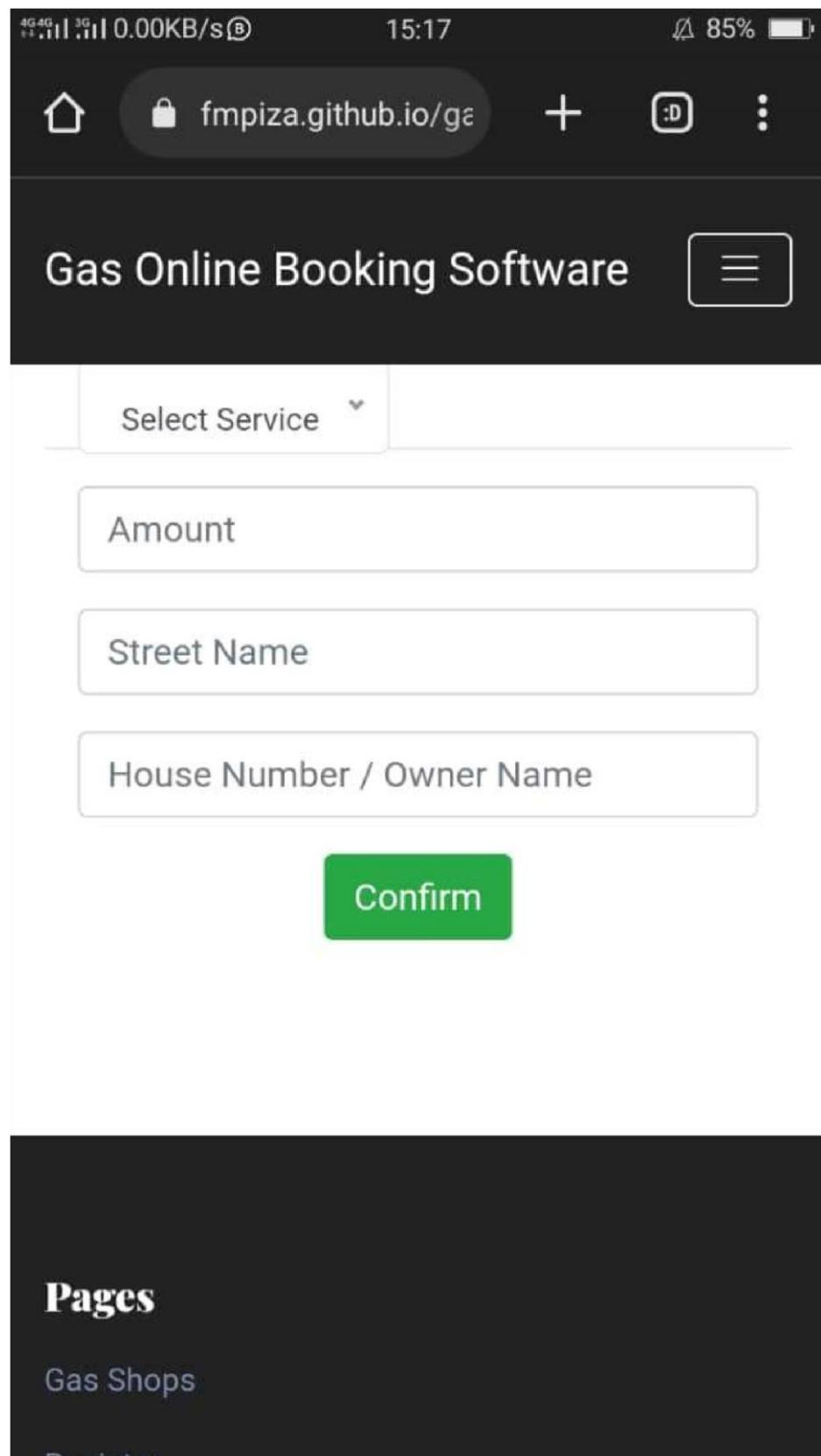
Email Address

Phone Number

Select Service ▾

Amount

Street Name



### **3.3. Booking Section**

- On this section, a system user can make a Booking for service in a very easy mode of interaction to the system. Therefore, a system user can finalize a process by only clicking a Button to Book for service and then He will receive for a service from the supplier.

## **4. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

## **5. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - ➔ Initial Design as per discussion to meet client's needs.
  - ➔ Functional Prototype
  - ➔ Application development and Complete Testing

## 6. PROJECT COSTS

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128/ =	300,000/=
Final Invoice	128/ =	300,000/=
TOTAL AMOUNT	300 USD /=	800,000/=



## ONLINE MUSIC DOWNLOADING PLATFORM PROPOSAL

**Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer**

## CONTENTS

3.2 Music Audio and Video Downloading.....	v
3.3 Contact Us.....	vi
3.4 Registration Page.....	vii
3.5 Login Page.....	viii
4. Solution Online.....	ix
5. Execution Timeline.....	x
6. Project Costs.....	xi

## 7. INTRODUCTION

This is an engineered platform developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can listen and download both music audio and videos for those foreign and swahili music flavors.

A platform enable user to create his account for getting an update of any new released music through his email as well as being able to listen and downloading. Also, a platform is very user friendly since it enables a user to get a song by only typing a name of an artist or a name of that song and finally searching to get the results.

## 8. TECHNOLOGIES USED

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

- Application Programming Interface (API)
- Security hashes
- JavaScrips (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language) ● Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

## 9. PRODUCT FEATURES

### System Dashboard

- A system is a very user friendly since a system user can listen and download both music audio and videos for those foreign and swahili music flavors. Therefore, the system enable user to choose his or her best option either it is an audio or video of a certain song he wishes to listen or download from the platform. It appears as follow.

Personal Hotspot : 1 connection(s).Used 23.6 MB

Home ▲ 92.168.43.249:8080 + ☰ 🔍

MUSIC ☰

# GET YOUR ONLINE MUSIC

"Listen and download your  
favourite Song both  
Abroad and Swahili songs  
on the space"

Sign up and get the updates

2018



92.168.43.249:8080



MUSIC



Home

Playlist

Contact

Login

Register

# GET YOUR ONLINE MUSIC

"Listen and download your  
favourite Song both  
Abroad and Swahili songs  
on the space"

*Sign up and get the updates*





92.168.43.249:8080



### *Abroad Music Video*

Search,listen and download Abroad Music Video here.



### *Abroad Music Audio*

Search,listen and download Abroad Music Audio here.



### *Swahili Video*

Search,listen and download Swahili Music Video here.



## ABOUT

A platform that enables you to download all songs on available on the space. You can also register the site for more new / updated notification through your email address.

Welcome!!

[Useful links](#)

[Register](#)

[Login](#)

[Playlist](#)

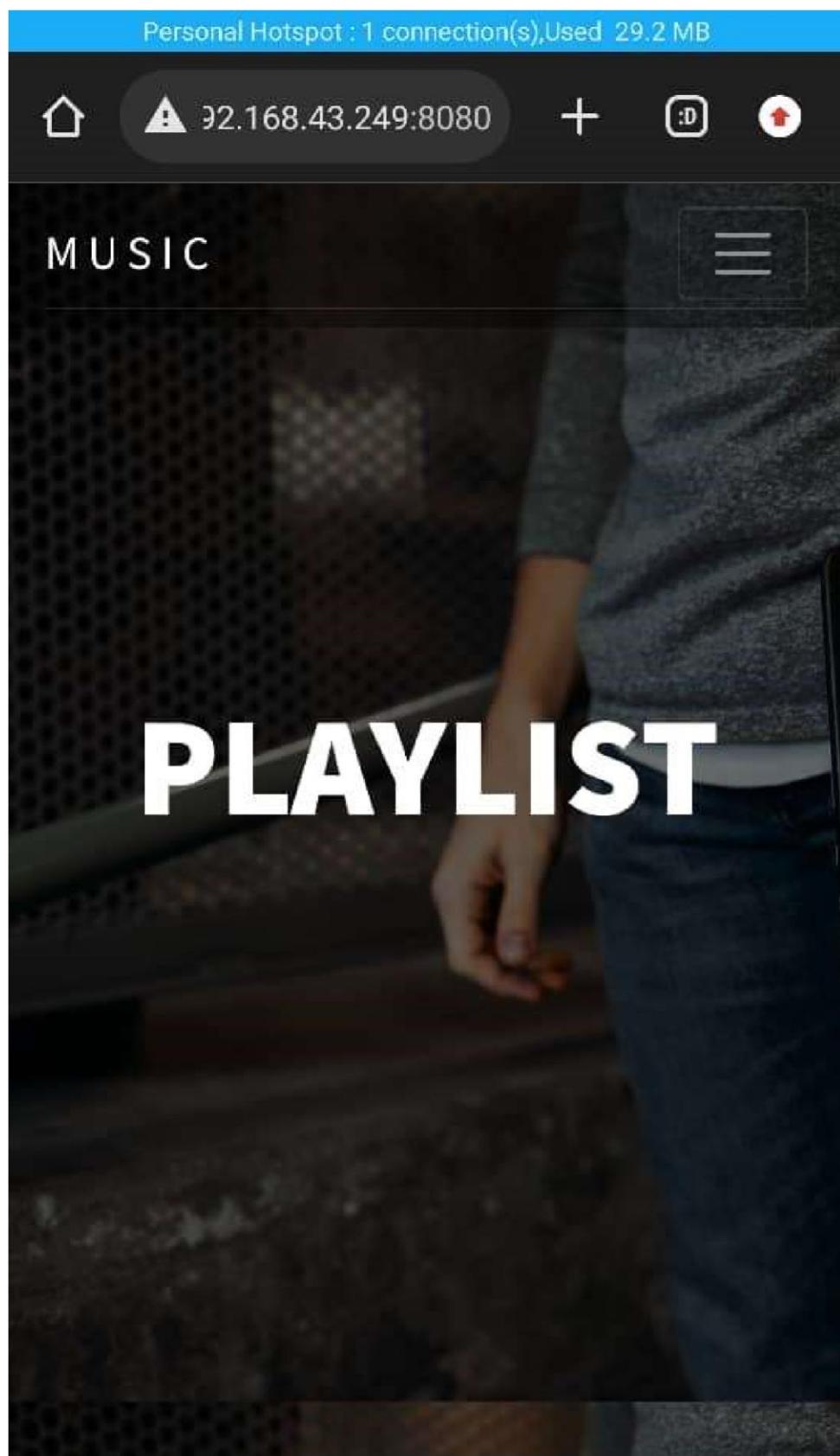
Copyright ©2022. All rights reserved | Developed

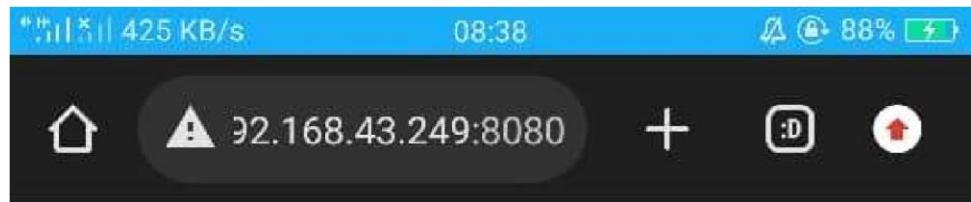
by : [Fridolin](#)



### 3.2. Music Audio and Video Downloading

- On this section, a system user can listen and download a certain music /song by only typing a name of that music or a name of an artist for an easy result. Therefore, a platform contains a lot of songs from the database, then the only way of getting them for user is by fetching through searching from this section. It appears as follow





Search a Song / Artist

Type here to search...



## ABOUT

A platform that enables you to download all songs on available on the space. You can also register the site for more new / updated notification through your email address.

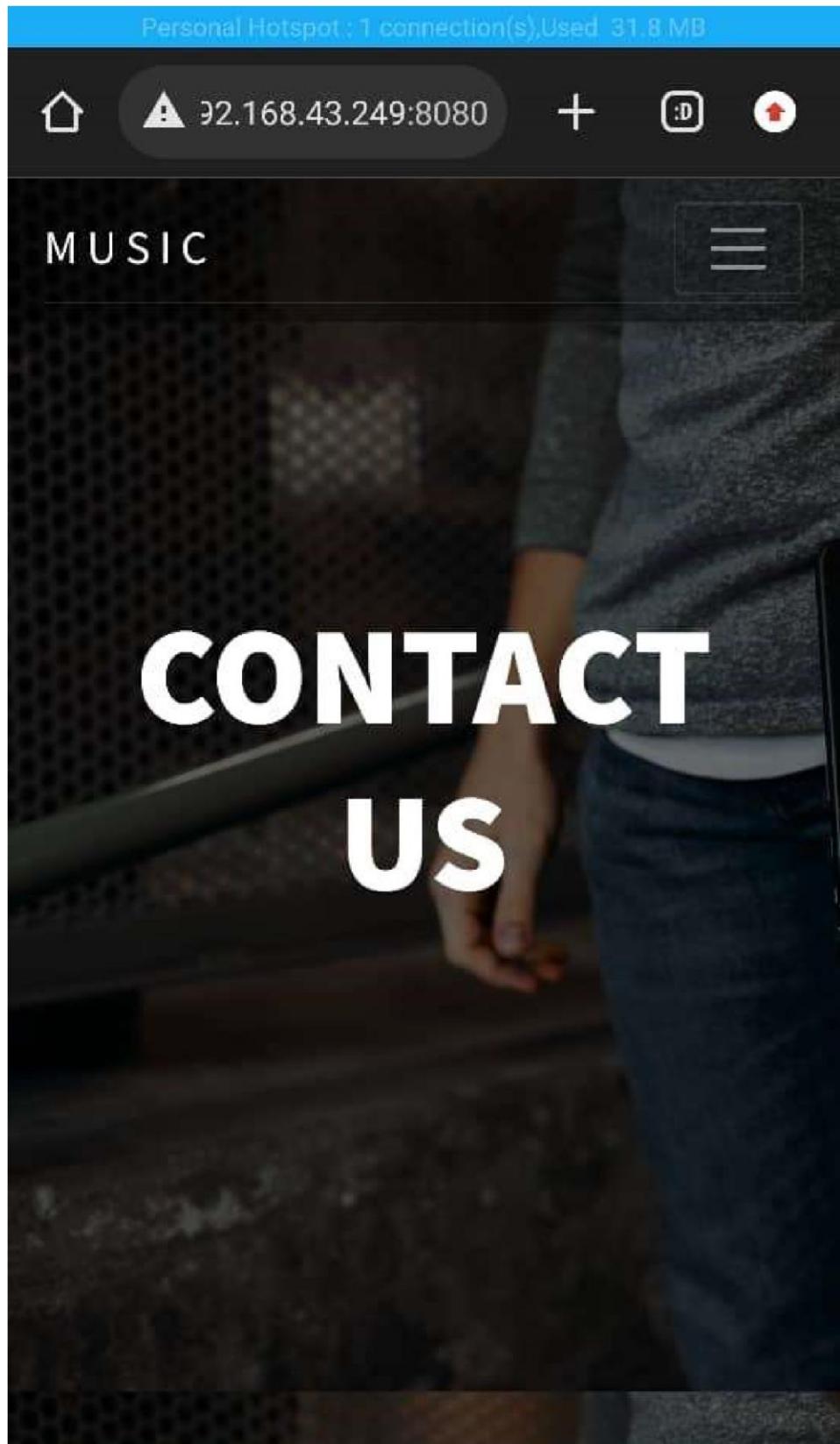
Welcome!!

## Useful links



### 3.3. Contact Us

- Also, a system user is able to communicate with a system administrator through this section by filling the required particulars including his email, full name, phone number and the blank typing message section to be sent to the administrator either for improvement or any other user's suggestion about the system. It appears as follow



3G 307 KB/s 08:38 88%

Name

Phone

Email

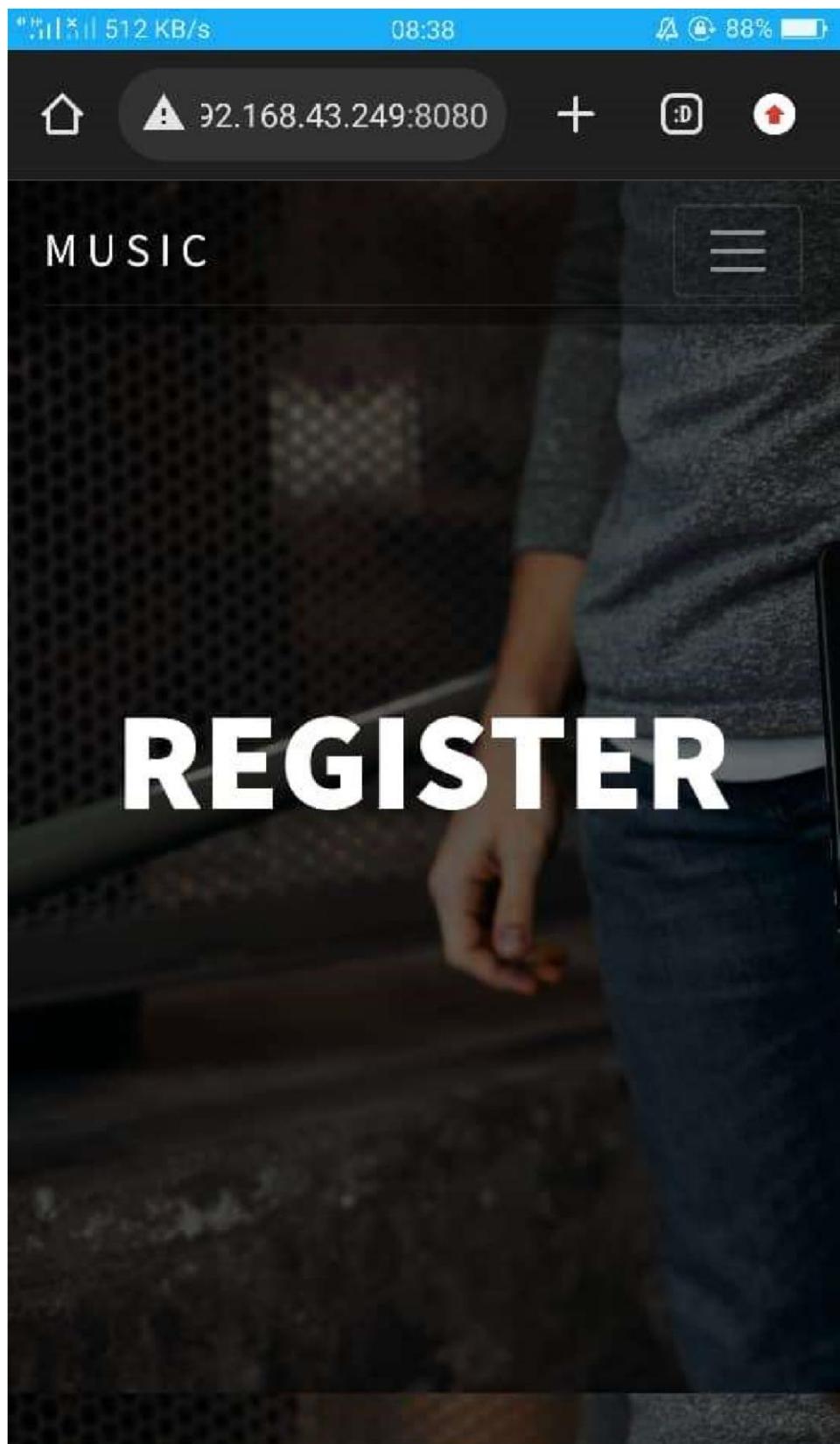
Write Message

Send Message



### 3.4. Registration Page

Here a system user can create a new access account by registering the required particulars as appeared on the system. Whereby he will finally be able to login the system and continue with further system functionalities. It appears as follow.



Personal Hotspot : 1 connection(s), Used 40.3 MB

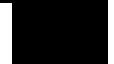
## Register new account

Email Address

Password

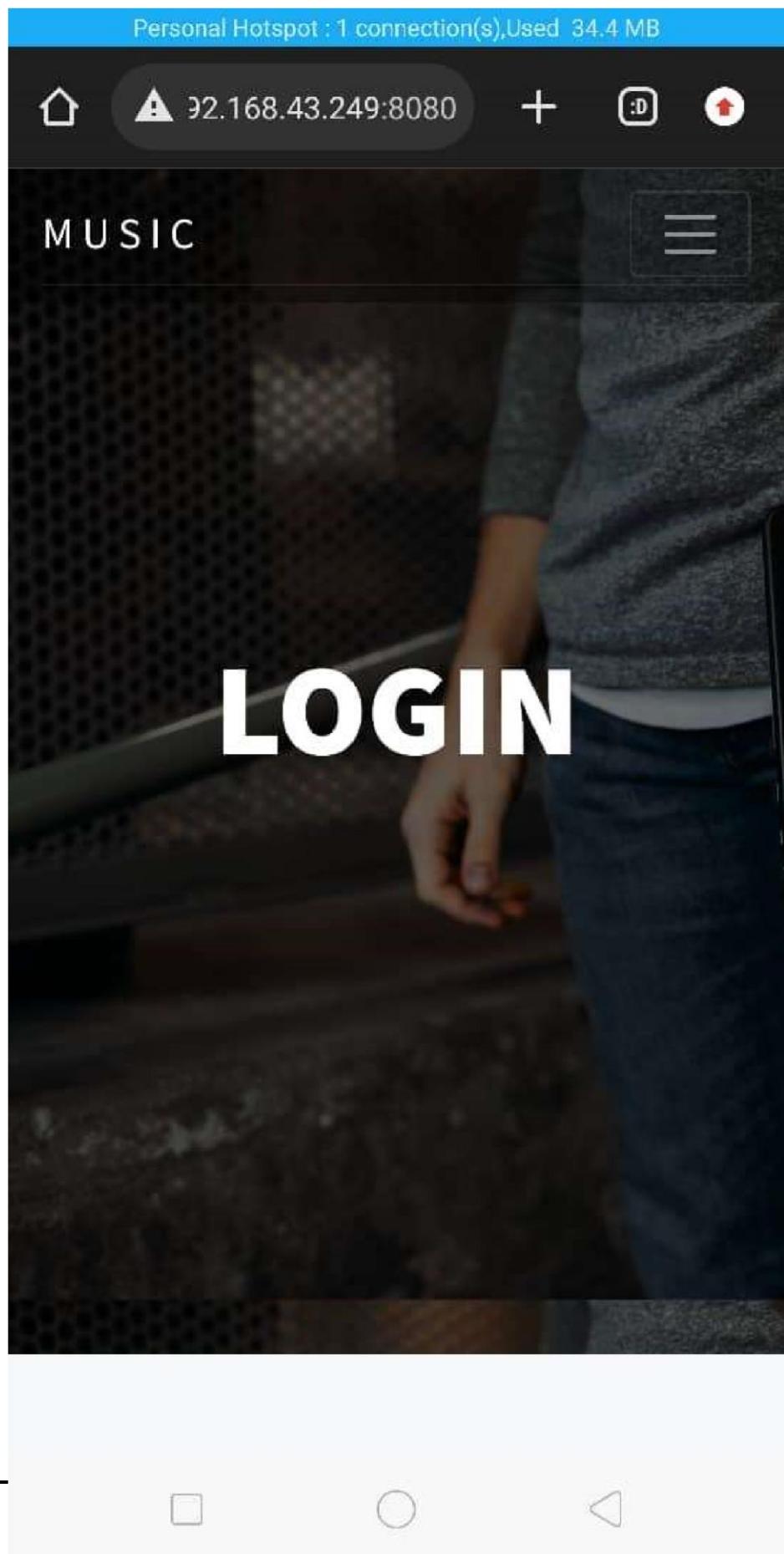
Re-type Password

Login



### 3.5 Login Page

Here a system user is able to login the system after registration. Therefore, he can enjoy the further services offered by the system after having the credentials of accessing his user account on the system. It appears as follow



Personal Hotspot : 1 connection(s), Used 36.5 MB

Log in with your account

Username

Password

Login

ABOUT

A platform that enables you to download all



#### **4. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

#### **5. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - Initial Design as per discussion to meet client's needs.
  - Functional Prototype
  - Application development and Complete Testing

#### **6. PROJECT COSTS**

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128/ =	300,000/=
Final Invoice	128/ =	300,000/=
TOTAL AMOUNT	300 USD /=	800,000/=



## BATCH DATA MANAGEMENT SYSTEM PROPOSAL

**Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer**

## CONTENTS

1.	INTRODUCTIO
N.....	41
2. ....	TECHNOLOGIES
USED .....	41
3. ....	PRODUCT
FEATURES .....	41
3.1      System Dashboard .....	41
3.2      Live Football Matches .....	44
3.3 Business Advertisement Page.....	vi
3.4 Account Creation/ Passcode Reset.....	vii
3.5 Advertisement User Account.....	viii
4.      Solution Online.....	ix
5.      Execution Timeline.....	x
6.      Project Costs.....	xi

## 10. INTRODUCTION

This is an engineered platform developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can watch live football match of several leagues including UEFA, NBC Tanzania League and EPL premium League, watch football matches fixtures and results.

Also, a system enables user to create his business advertisement account for making and promoting the business connections of his products as well as receiving online payments from his customers.

## 11. TECHNOLOGIES USED

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

- Cryptographic Algorithms,
- Application Programming Interface (API)
- Security hashes
- JavaScripts (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language)
- Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

## 12. PRODUCT FEATURES

### [System Dashboard](#)

- A system is a very user friendly since a system user can easily deal with several functionalities in a scalable and effective ways of implementation. Therefore, a system tends to make an easy functionality option on what service that a system user intended to view or get from the dashboard. It appears as follow

5 KB/s 10:05 59%

fmmpiza.github.io/bu

# Business App.

Get an online football Match stream, Online football Matches fixtures, Results and Business Advertisement Access. Copyright © 2022.

Developed by : fridolin

Uefa | NBC | epl

2CELLOS performa...

2018

Wi-Fi 3G 38 B/s 10:06 59% 🔋

Advertisement Access. Copyright © 2022.

Developed by : fridolin

Uefa | NBC | epl



Enter email address

NOTIFY ME!

Fixture Match Results Sell

2018

## Live Football Matches

- On this section, a system user can stream a live football matches access by only clicking on leagues selection indicated with red buttons. After clicking a certain league button therefore, a system will prompt a view of that selected sub section and finally enabling a user to stream a live football match.
- Also, a system user can view several football matches fixtures and results in a portable way of services enjoyment by using his smartphone. Therefore, he can view those results and fixtures by clicking on the buttons at the bottom of the system named FIXTURES and RESULTS. It appears as follow

3G 38 B/s 10:06 59%

# Advertisement Access. Copyright © 2022.

Developed by : [fridolin](#)

[Uefa](#) | [NBC](#) | [epl](#)

Emirates FA CUP  
FULL MATCH | Chel vs Liverpool  
FIFTH ROUND  
2019-20

Chelsea Football Club Liverpool FC

Enter email address

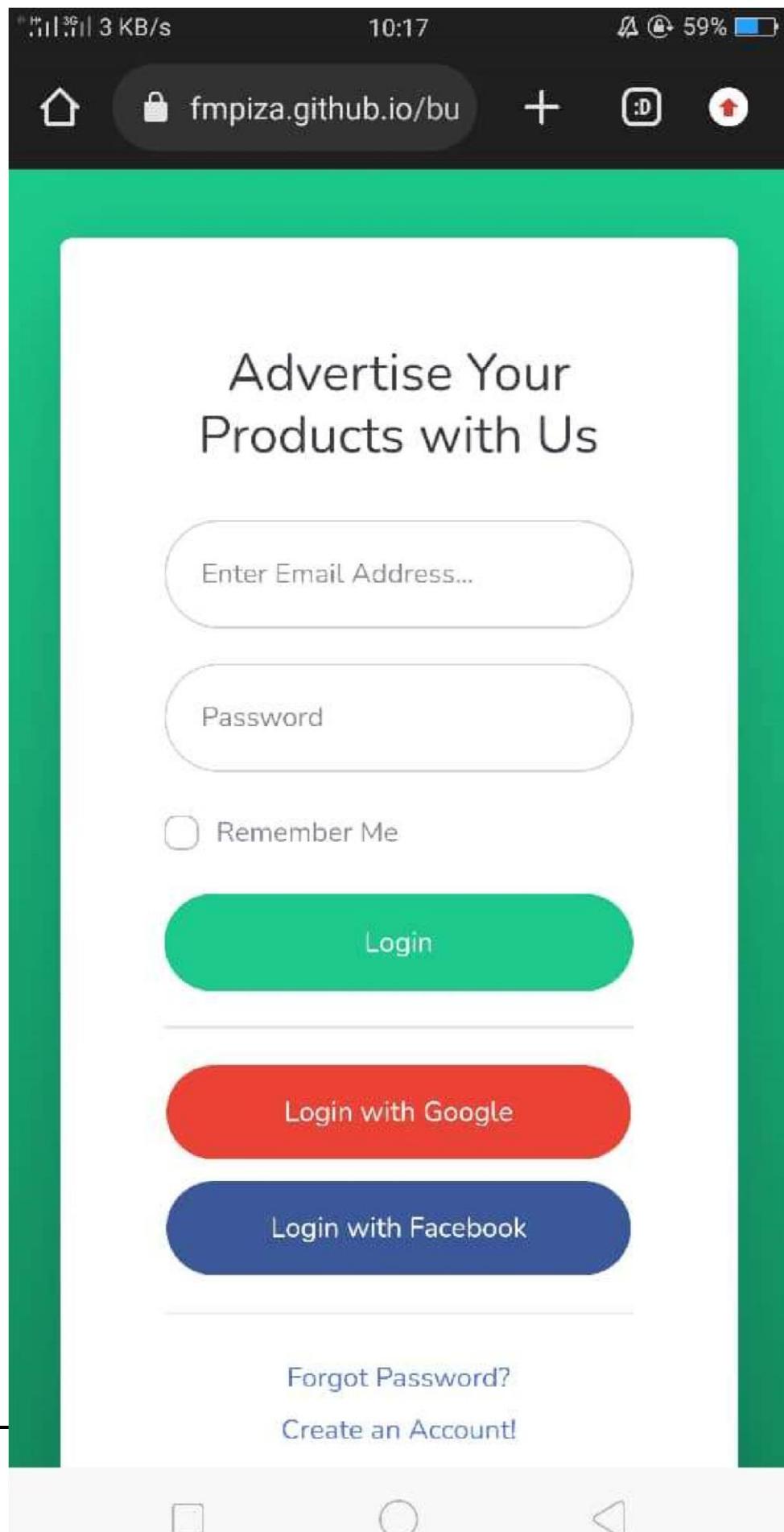
NOTIFY ME!

Fixture Match Results Sell

2018

### 3.3. Business Advertisement Page

- Also, a system user is able to do an advertisement for his products. From the system he can click on the button at the bottom of the system named SELL then the system will prompt to the page for advertisement where he can see several options for login the system and continue with further system functionalities. It appears as follow



### 3.4. Account Creation/ Passcode Reset

Here a system user can create a new access account or reset his forgotten passcode by entering the required particulars as appeared on the system. Whereby he will finally be able to login the system and continue with further system functionalities. It appears as follow.



## Create an Account!

First Name

Last Name

Email Address

Password

Repeat Password

Register Account

Register with Google

Register with Facebook





## Forgot Your Password?

We get it, stuff happens. Just enter your email address below and we'll send you a link to reset your password!

Reset Password[Create an Account!](#)[Already have an account? Login!](#)

### 3.5 Advertisement User Account

Here a system user is able to do online product promotion and advertisement as well as receiving payment from his customers directly to his bank or mobile money access accounts. All of these functionalities appears on the system after selecting each it appears as follow

The screenshot shows a mobile application interface. At the top, there is a navigation bar with icons for home, lock, and search, followed by the URL "fmpiza.github.io/bu". The top right corner displays signal strength, time (10:17), battery level (59%), and a red notification badge. Below the navigation bar is a green sidebar menu with the following items:

- Dashboard
- INTERFACE
  - Advert
  - Payment
- Upload Your Product
- ADDONS
  - Pages

The main content area is titled "List of Advertisers" and contains a table with the following data:

Name	Position
Tiger Nixon	Carsalesman
Garrett Winters	Miner
Ashton Cox	Expert
Cedric Kelly	Agriculturist
Airi Satou	Cook

#### **4. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

#### **5. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - Initial Design as per discussion to meet client's needs.
  - Functional Prototype
  - Application development and Complete Testing

#### **6. PROJECT COSTS**

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128/ =	300,000/=
Final Invoice	128/ =	300,000/=
TOTAL AMOUNT	300 USD /=	800,000/=



## MULTI-COMPLEX CALCULATOR SYSTEM PROPOSAL

Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer

## CONTENTS

1.	INTRODUCTIO
N.....	55
2. ....	TECHNOLOGIES
USED .....	56
3. ....	PRODUCT
FEATURES .....	56
3.1      System Dashboard .....	56
3.2      Calculations .....	58
4. ....	SOLUTION
ONLINE.....	61
5. ....	EXECUTION
TIMELINE.....	61
6. ....	PROJECT
COSTS .....	61

### 13. INTRODUCTION

This is a Multi Complex Calculator developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system can use different calculation operations for computing his mathematical figures and digits as applied in his daily life.

Therefore, a system tends to simplify the daily tasks of the system user especially to those which relating with calculations issues.

#### **14. TECHNOLOGIES USED**

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

- Python,
- JavaScrips (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language) ● Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

#### **15. PRODUCT FEATURES**

##### [System Dashboard](#)

- A system tends to involve different kinds of mathematical operations with an access of selecting a certain operation either division, addition, subtraction or multiplication. Then all those mathematical operations relating with all decimals, negative signs and positive signs to give exactly answer. It appears as follow.



## Calculations

- On this section, a system user can do several mathematical operations on this system with a high confidence of getting an exactly answer on the screen. It appears as follows





## **16. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

## **17. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - Initial Design as per discussion to meet client's needs.
  - Functional Prototype
  - Application development and Complete Testing

## **18. PROJECT COSTS**

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128/ =	300,000/=
Final Invoice	42 / =	100,000/=
<b>TOTAL AMOUNT</b>	<b>250 USD / =</b>	<b>600,000/=</b>



## CRYPTOGRAPHIC CIPHERS TRANSLATOR PROPOSAL

Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer

## CONTENTS

1.	INTRODUCTIO	
N.....		63
2. ....	TECHNOLOGIES	
USED .....		64
3. ....	PRODUCT	
FEATURES .....		64
3.1      System Dashboard .....		64
3.2      Encryption Page .....		66
3.3      Decryption page.....		68
4. ....	SOLUTION	
ONLINE.....		70
5. ....	EXECUTION	
TIMELINE.....		70
6. ....	PROJECT	
COSTS .....		70

### 19. INTRODUCTION

This is a single paged engineered platform developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can do both encryption and decryption of any cipher by basing on transposition and substitution mechanisms.

An examples of ciphers mechanisms that can be well implemented in the system including Caesar cipher, One Time Pad (OTP), RSA Algorithm, Diffie Helman, Hill Cipher, Rot 13 Cipher, Euclidian Algorithm and Brute Force. Therefore, a system tends to simplify in cryptographic activities.

## 20. TECHNOLOGIES USED

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

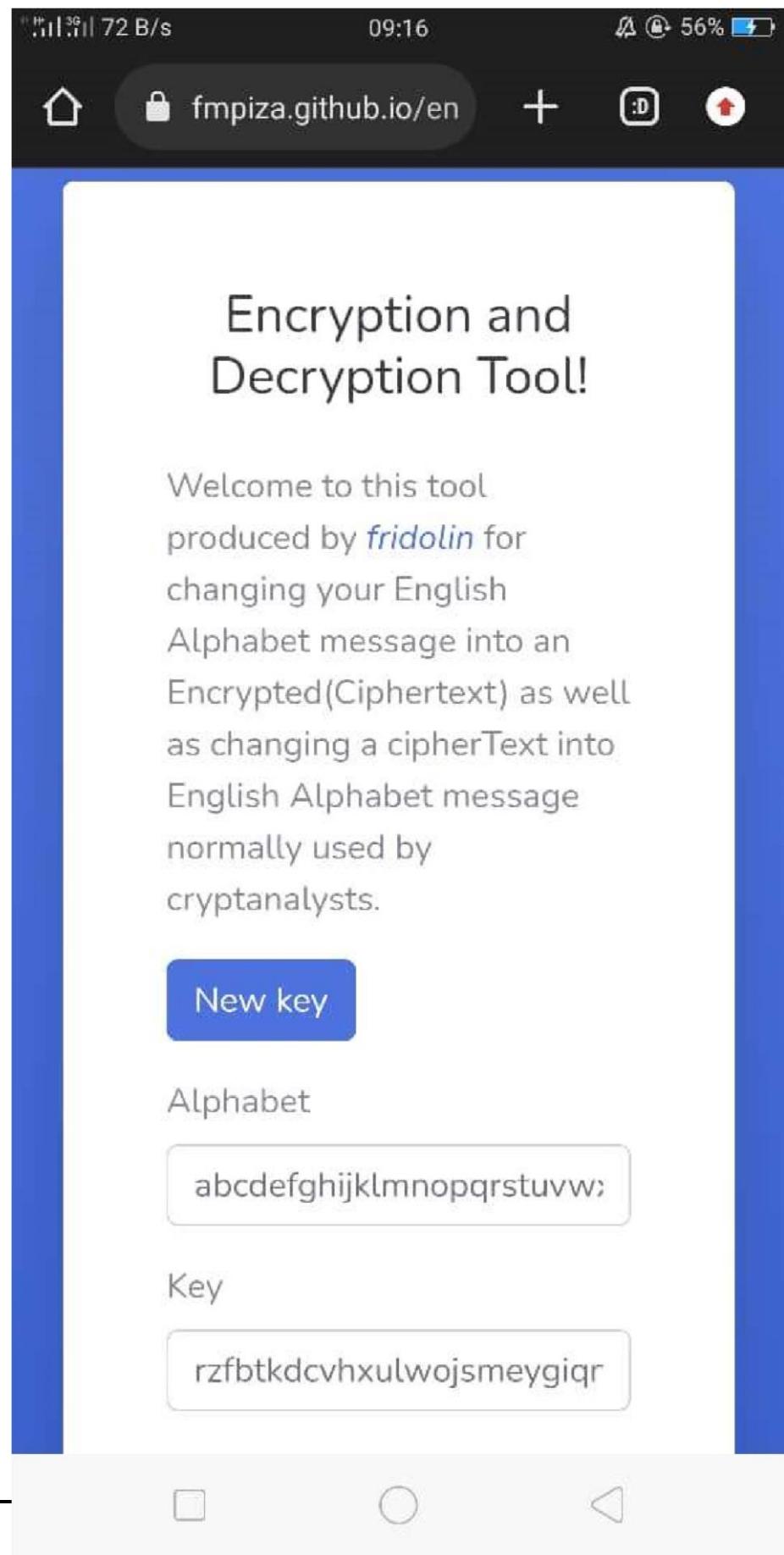
- Cryptographic Algorithms,
- JavaScrips (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language) ● Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

## 21. PRODUCT FEATURES

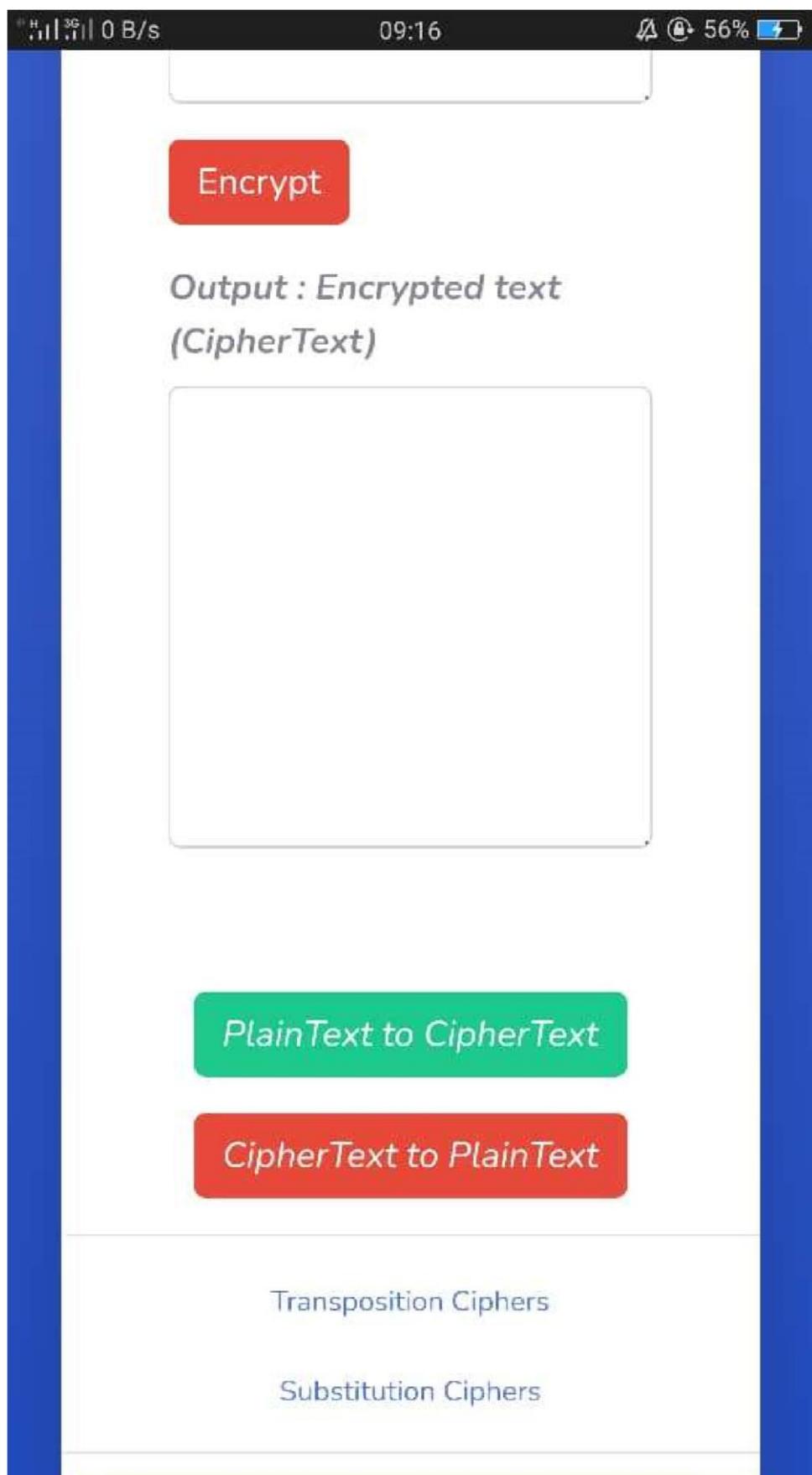
### [System Dashboard](#)

- A system is a very user friendly since a system user can easily do both encryption and decryption activities with no complications. Therefore, a system user should choose a key to either encrypt or decrypt his cipher or plain text for both transposition and substitution ciphers and finally getting the required output. It appears as follow



## Encryption Page

- On this section, a system user can do an encryption of a plaintext by using a certain key. He should choose a certain key by clicking a button written “KEY” and finally the entered/ typed plaintext in the blank space on the system it will give the ciphertext as an output. It appears as follow.



[Decryption page](#)

- Also, a system user can do a decryption of a cipher text by using a certain key. He should choose a certain key by clicking a button written “KEY” and finally the entered/ typed cipher text in the blank space on the system it will give the plain-text as an output. It appears as follow.



## **22. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

## **23. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - Initial Design as per discussion to meet client's needs.
  - Functional Prototype
  - Application development and Complete Testing

## **24. PROJECT COSTS**

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128/ =	300,000/=
Final Invoice	85/ =	200,000/=
TOTAL AMOUNT	290 USD / =	700,000/=



## VIRTUAL JOB STUDENT SYSTEM PROPOSAL

Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer

## CONTENTS

1.....	INTRODUCTIO
N.....	73
2.....	TECHNOLOGIES
USED .....	73
3.....	PRODUCT
FEATURES .....	73
3.1        System Dashboard .....	73
3.2 Online Meeting and Current News Updates .....	v
3.3 Job Vacancies .....	vi
3.4 O'Level & A'Level Students Curriculum's .....	vii
3.5 O'Level & A'Level Students Past Papers .....	viii
4.        Solution Online.....	ix
5.        Execution Timeline.....	x
6.        Project Costs.....	xi

## 25. INTRODUCTION

This is an engineered platform developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can interact with several functionalities including online meeting, getting current news updates, viewing and downloading student past papers and curriculums as well as job vacancies

Also, a system enables user to fetch several information stored in database as a mean of history for future uses.

## 26. TECHNOLOGIES USED

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

- Cryptographic Algorithms,
- Application Programming Interface (API)
- Security hashes
- JavaScrips (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language) ● Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

## 27. PRODUCT FEATURES

### System Dashboard

- A system is a very user friendly since a system user can easily do an online meeting, getting current news updates, viewing and downloading both O'Level and A'Level student's curriculums and past papers as well as getting an alerts on the current job vacancies. It appears as follow

3G 0 B/s 07:55 10% 🔋

# HOME



**ONLINE DISCUSSIONS**

---

Tuesday 7:00 AM-8:00PM

---

Wednesday 7:00 AM-8:00 AM

---

**Join the Meeting**

2018



The screenshot shows a mobile device displaying a website. At the top, there is a dark header bar with various icons: signal strength, battery level (10%), and a lock symbol. Below this is a navigation bar with a home icon, a URL field containing "fmpiza.github.io/vir", a plus sign for new tabs, a refresh icon, and a red arrow icon.

The main content area has a dark brown background. It features several white text links: "HOME", "HOME", "CURRICULUM'S", "PAST PAPERS", and "JOB VACANCIES". To the right of these links is a white rectangular button with three horizontal lines inside.

Below the links is a large, semi-transparent image of five young boys in school uniforms (green sweaters over white shirts) looking at a tablet computer together. They appear to be in a classroom setting.

At the bottom of the screen is a light-colored call-to-action button with a black border. It contains a black microphone icon on the left and the text "ONLINE DISCUSSIONS" in bold capital letters on the right.

At the very bottom of the device screen, there are standard Android navigation icons: a square, a circle, and a triangle pointing left.

### 3.2. Online Meeting and Current News Updates

- On this section, a system user can do both online meeting (virtually) and viewing the current news updates in a very easily way of interacting with the system. Especially on the side of a system administrator, there is a mechanism of an email notification for a very soon meeting schedule. It appears as follow

3G 0 B/s 07:55 10% 🔋

# HOME



**ONLINE DISCUSSIONS**

---

Tuesday 7:00 AM-8:00PM

---

Wednesday 7:00 AM-8:00 AM

---

**Join the Meeting**

2018



4G 428 B/s 07:56 10% 

## UDSM 2022 Selected

### SUA (Sokoine University) 2022 Selected

#### **MISSION**

The Mission of this platform is to make sure that a student can be well updated on various academic issues including the issue of NECTA Results.

To help job seekers to be posted / aware of the current job vacancies



3G | 155 B/s 07:56 10% 

Republic of Tanzania on  
overcoming different faced  
challenges in our Tanzania  
academic scheme.

Also, the platform intended to  
facilitate a student on getting  
different statistics based on  
educational matters which is  
going on in Tanzania.

Copyright © 2022. Developed by: fridolin  
Tel: (+255) 683 168 429 / 713 826 484



### 3.3. Job Vacancies

- Also, a system user is able to view the current job vacancies alerts which can enable him to apply for by only clicking and viewing the required conditions of a certain job post. It appears as follow

# HOME



\* Post your Job Advertisement  
Here

Select Job file to upload:

Choose File

Upload Image

---

## JOB VACANCIES

---

Accounting Jobs

---

Drivers Jobs

---



*Procurement and Supply Jobs*

*Program Manager Jobs*

*Sales and Marketing Jobs*

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Tel: (+255) 683 168 429 / 713 826 484



### 3.4. O'Level & A'Level Students Curriculum's

Here a system user can view and download both O'Level and A'Level student's curriculums and past papers on only clicking way of interacting with a system. All required current students learning materials are well stored in a system database. It appears as follow.

0 B/s 07:57 10% 

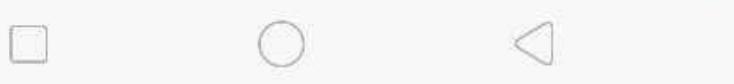
**HOME** 



**LIST OF TANZANIA O-LEVEL  
AND ADVANCED EDUCATION  
LEVEL SYLLABUS(TOPICS)**

**Form One  
Syllabus** 

**Form Two  
Syllabus** 

2018 

0 B/s 07:57 10%

fmpiza.github.io/vir

**Form Six  
Syllabus**

**Click to  
View**

**Note:**

Be sure of clicking the corresponding Syllabus of your own level for helping you to focus on what Topics you are needed to study. Welcome !!

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Tel: (+255) 683 168 429 / 713 826 484

### 3.5 O'Level & A'Level Students Past Papers

Also, a system user can view and download both O'Level and A'Level student's curriculums and past papers on only clicking way of interacting with a system. All required current students learning materials are well stored in a system database. It appears as follow.

379 B/s 07:57 10% 

**HOME** 



**LIST OF TANZANIA O-LEVEL  
AND ADVANCED EDUCATION  
LEVEL PAST PAPERS**

**Form One Past  
Papers** 

**Form Two Past  
Papers** 

---

2018

#### **4. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

#### **5. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - Initial Design as per discussion to meet client's needs.
  - Functional Prototype
  - Application development and Complete Testing

#### **6. PROJECT COSTS**

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128/ =	300,000/=
Final Invoice	128/ =	300,000/=
TOTAL AMOUNT	300 USD /=	800,000/=



## BODABODA TRANSPORT ONLINE BOOKING MANAGEMENT SYSTEM PROPOSAL

Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer

## CONTENTS

1.0 INTRODUCTION .....	93
2.0 TECHNOLOGIES USED.....	93
3.0 SYSTEM DASHBOARD.....	93
3.1 Boda Boda Profile .....	93
3.2 Trip / Destination Map .....	6
4.0 Solution Online .....	6
5.0 Execution Timeline .....	7
6.0 Project Costs.....	7

## **1.0 INTRODUCTION**

This is a Bi-Modal Languages engineered platform developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can book for Boda Boda Transport through online mode of conducting. A system user can see Boda Boda profiles where there is a contact, price depends on trip/ route as well as a name of location where Boda Boda park for his motorcycle

A platform designed in a very user friendly mode of interaction where there is no any complications to the user since it also benefit both Swahili and English languages users of the system

## **2.0 TECHNOLOGIES USED**

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

- Cryptographic Algorithms,
- Application Programming Interface (API)
- Security hashes
- JavaScripts (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language)
- Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

## **3.0 SYSTEM DASHBOARD**

### **28. 3.1 Boda Boda Profile**

- This is a system section where user can view Boda Boda profiles where He/ she can get the contacts, general route summary offered by Boda Boda. It appears as follow

### **3.2. Trip / Destination Map**

- On this section, a system user can view a route/ trip summary by using a map automated on the system. Through which a system user can know his starting point to the destination point by using Boda Boda transport. It appears as follow

## **4. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

## **5. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.

→ Initial Design as per discussion to meet client's needs.

→ Functional Prototype

→ Application development and Complete Testing

## 6. PROJECT COSTS

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128 / =	300,000/=
Final Invoice	128 / =	300,000/=
TOTAL AMOUNT	300 USD / =	800,000/=

*Fridolin's Technology Company*  
**COMPANY PROFILE**



## DIGITAL SIGNATURE TOOL PROPOSAL

Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer

## CONTENTS

1.	INTRODUCTION	
N.....		99
2.....	TECHNOLOGIES	
USED .....		99
3.....	PRODUCT	
FEATURES .....		99
3.1      System Dashboard .....		99
3.2      User Account.....		101
3.3      User Authentication.....		103
3.4      Signing Page .....		104
4.....	SOLUTION	
ONLINE.....		108
5.....	EXECUTION	
TIMELINE.....		108
6.....		11
Project Cost.....		

## **29. INTRODUCTION**

This is a digital/ electronic hashed tool for signing the user's documents with no cost of taking a document physically developed by Fridolin Mpiza, Tanzania Network and Software Engineer.

A digital tool developed under the hashed programming languages to enable a system user on the issue of time saving and portability of their tasks during the daily life.

## **30. TECHNOLOGIES USED**

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

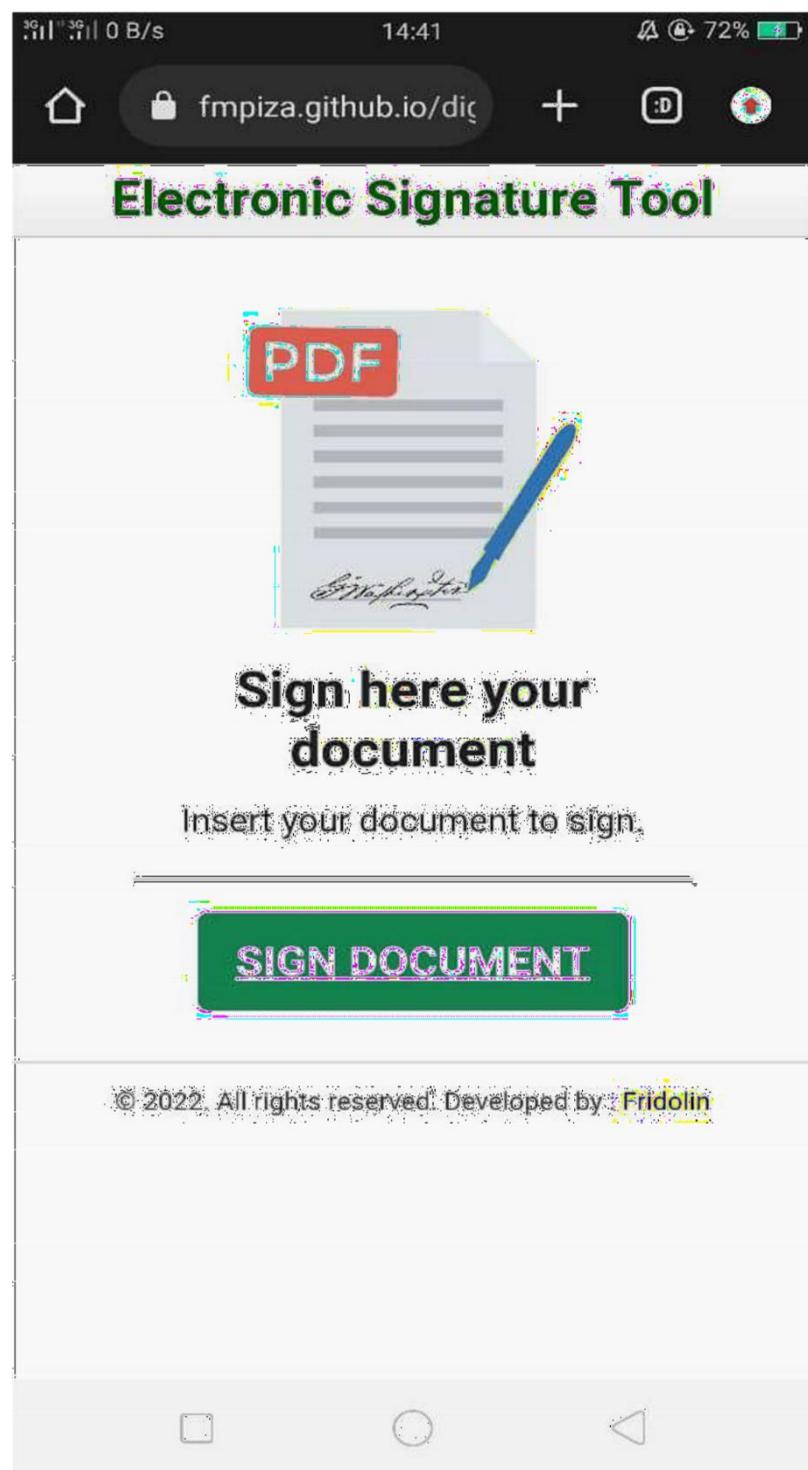
- Cryptographic ciphers,
- Coding Algorithms
- Mysql Database
- JavaScrips (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language)

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

## **31. PRODUCT FEATURES**

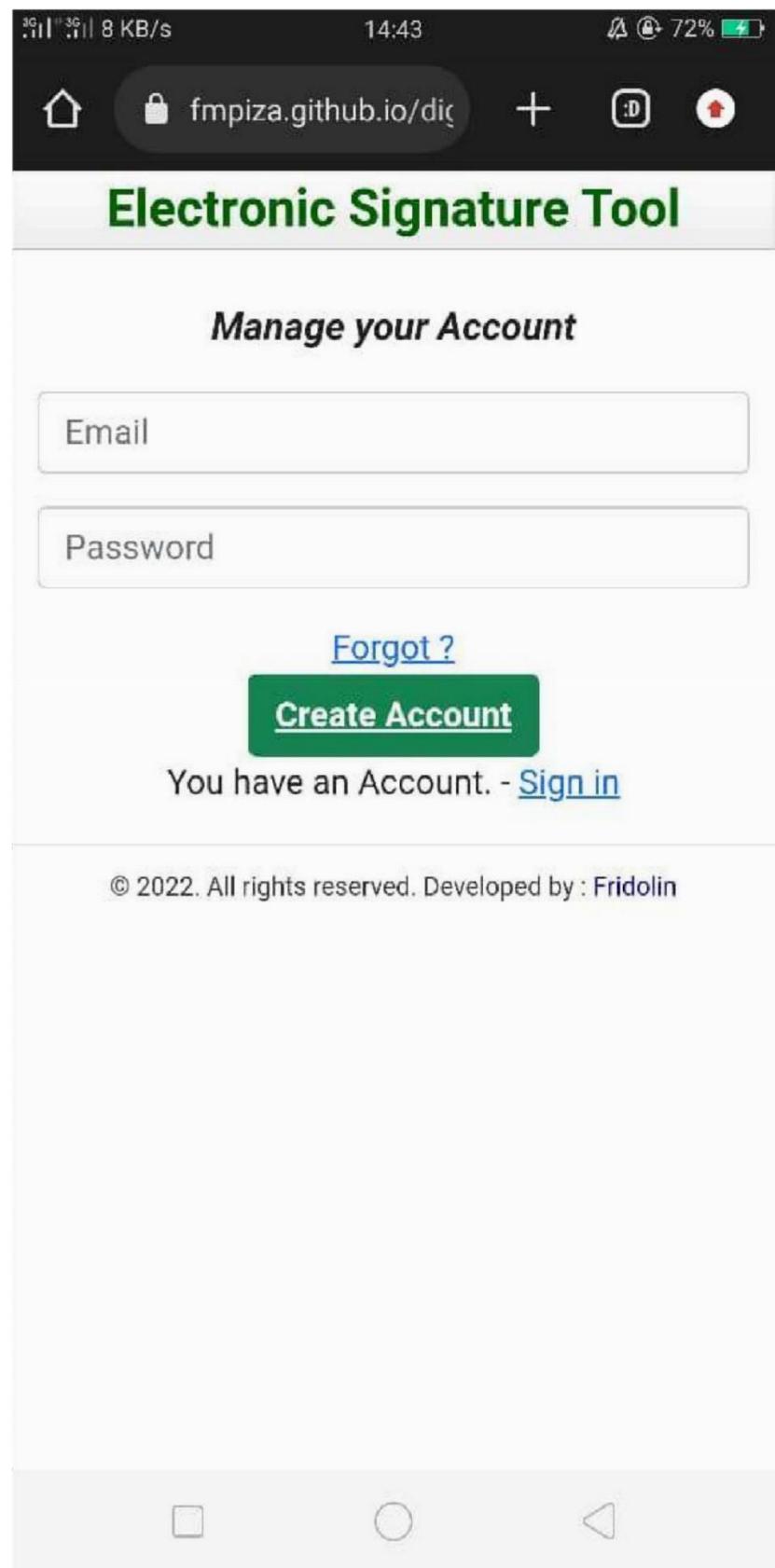
### [\*\*System Dashboard\*\*](#)

- Also this tool was developed under the consideration of user friendliness especially on the issue of graphic user interactivity for an easy implementation during its usage by user. The system dashboard appears as follows;



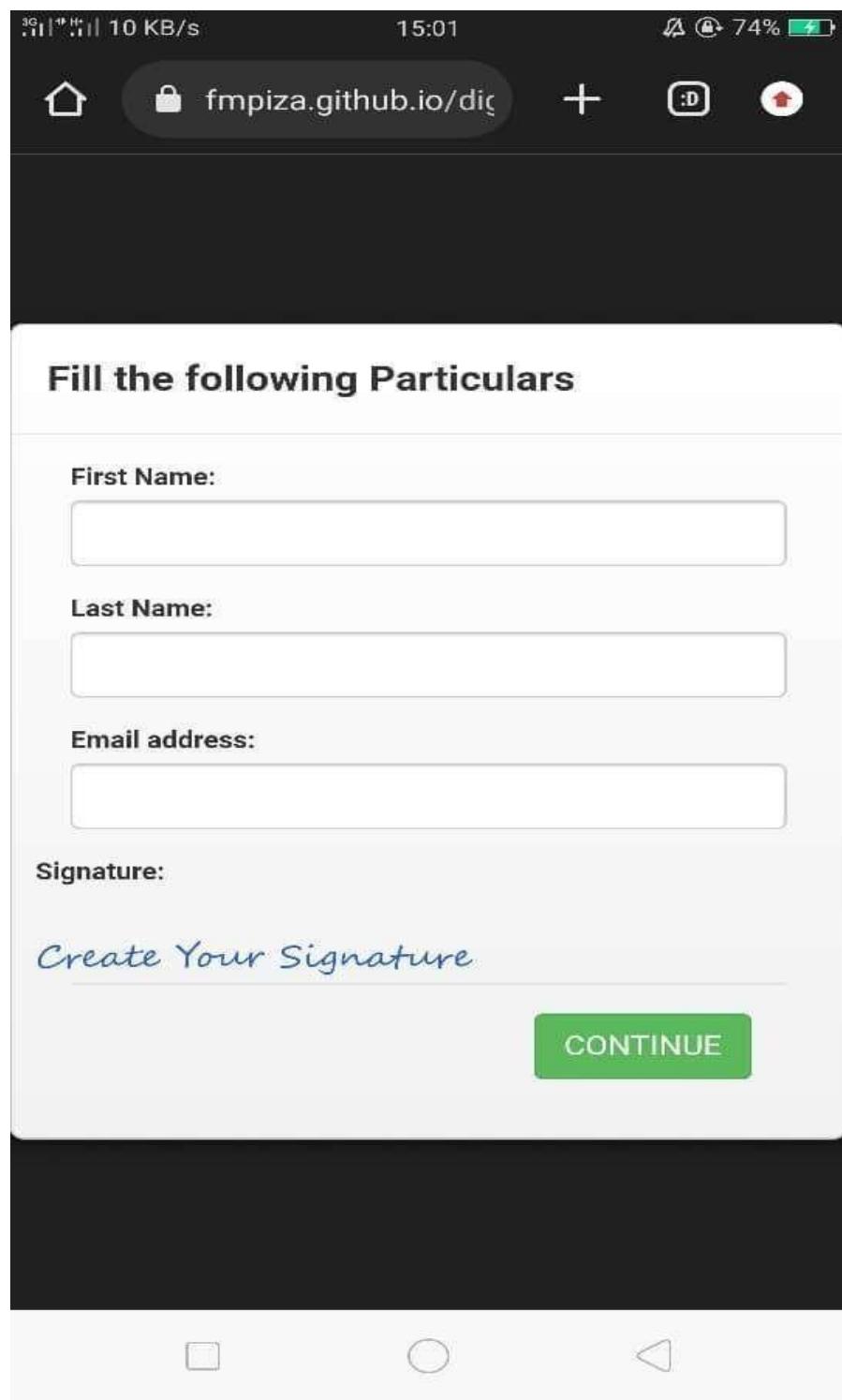
## User Account

- On this section, a system user is able to manage his / her account for accessing the system during the implementation. Here, a system user can create his access account, reset login passcode and sign in the system for further functionalities. It appears as follows.



## User Authentication

- On this section a system user is required to confirm his particulars as a part of authenticating the presence of his access account in the system. Therefore, he will be required to confirm First Name, Last Name and email address in order to sign in the system. It appears as follows.



### Signing Page

- On this section, a system user can now access and uploading his document for signing electronically where he can opt for either method of creating his digital signature

***Fridolin's Technology Company***  
**COMPANY PROFILE**

on the document including ; signature by typing in the keyboard, drawing with mouse, uploading the image or by using a touchscreen. It appears as follows.

**Fridolin's Technology Company  
COMPANY PROFILE**

The screenshot shows a mobile application interface for managing company profiles. At the top, there is a toolbar with various icons: a gear, 'SN' (Search), a calendar, three user profile icons, an envelope, a building, a briefcase, and a font size 'Aa'. Below the toolbar, there is a section for personal details:

**Nationality** Tanzanian  
**E-mail Address** fridolinmpiza82@gmail.com

Below this, there is a larger section for business details:

**Mobile Phone Numbers** 0683168429  
**Residential address** Region Arusha, District Arusha, Ward Kiranyi, Postal code 23209 , Fridolin MpizaP.o.Box 6998IlkiureiArusha  
**Is bank account operator?** Yes  
**Can this person update data in ORS?** Yes

Owner FRIDOLIN ANTHONY  
MPIZA

----- 5/10/2022  
Signature and date

At the bottom of the screen, there is a dark footer bar with a red 'FINISH' button and a three-dot menu icon. Below the footer, there are three navigation icons: a square, a circle, and a triangle.

3G 473 B/s 16:35 64%

pdfsimpli.com/esig

Create Your Signature

Type in Keyboard Draw with Mouse

Upload an Image Use Touchscreen

● —

By clicking Create, I agree that the signature and initials will be the electronic representation of my signature and initials for all purposes when I (or my agent) use them on envelopes, including legally binding contracts - just the same as a non-electronic signature or initial

2018

## **32. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

## **33. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - Initial Design as per discussion to meet client's needs.
  - Functional Prototype
  - Application development and Complete Testing

## **6. PROJECT COSTS**

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128/ =	300,000/=
Final Invoice	42/ =	100,000/=
TOTAL AMOUNT	250 USD /=	600,000/=



## DIGITAL SIGNATURE TOOL PROPOSAL

Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer

## CONTENTS

1.	INTRODUCTION	
N.....		99
2.....	TECHNOLOGIES	
USED .....		99
3.....	PRODUCT	
FEATURES .....		99
3.1	System Dashboard .....	99
3.2	User Account.....	101
3.3	User Authentication.....	103
3.4	Signing Page .....	104
4.....	SOLUTION	
ONLINE.....		108
5.....	EXECUTION	
TIMELINE.....		108
6.	Project Cost.....	11

#### **34. INTRODUCTION**

This is a digital/ electronic hashed tool for signing the user's documents with no cost of taking a document physically developed by Fridolin Mpiza, Tanzania Network and Software Engineer.

A digital tool developed under the hashed programming languages to enable a system user on the issue of time saving and portability of their tasks during the daily life.

#### **35. TECHNOLOGIES USED**

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

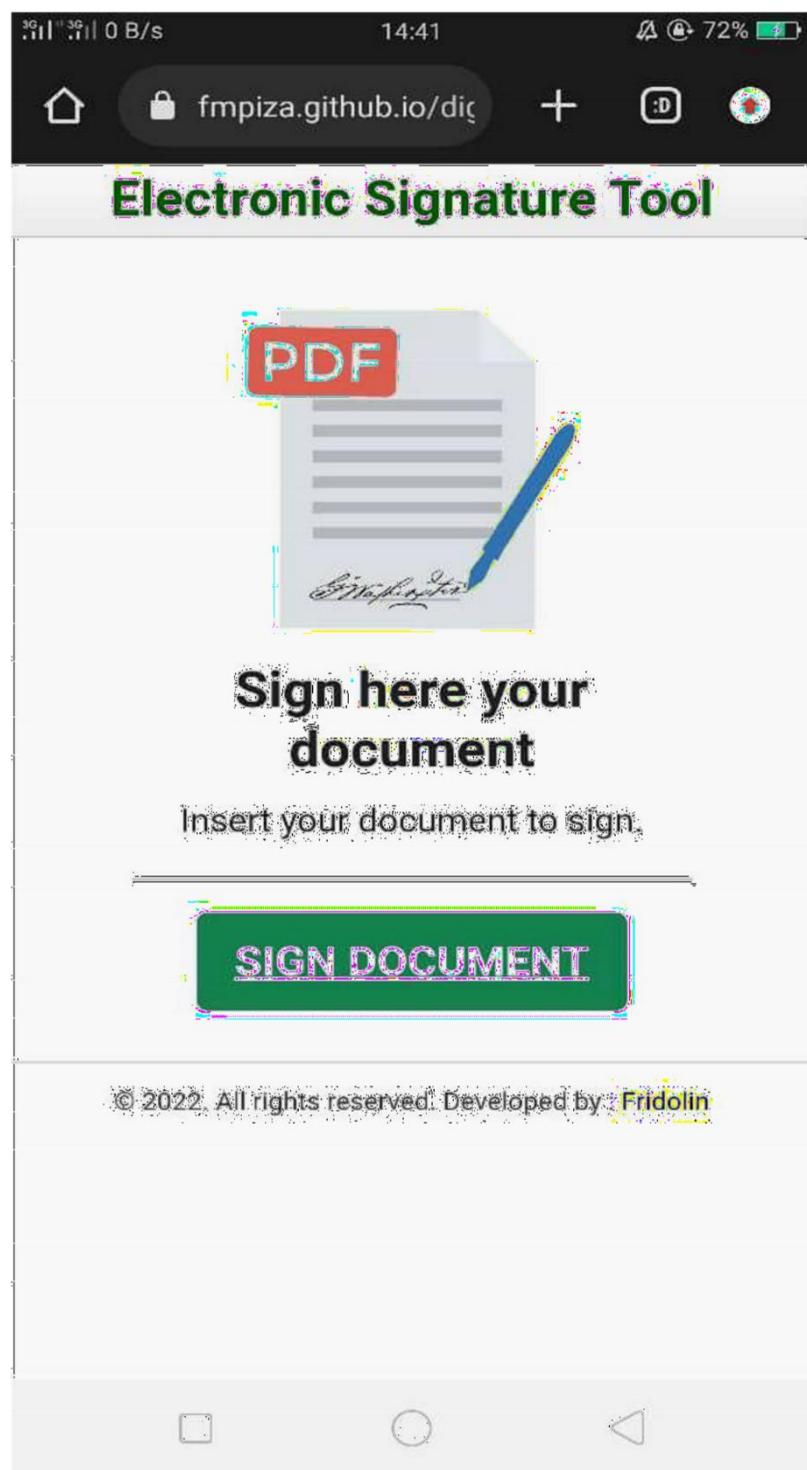
- Cryptographic ciphers,
- Coding Algorithms
- MySql Database
- JavaScripts (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language)

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

#### **36. PRODUCT FEATURES**

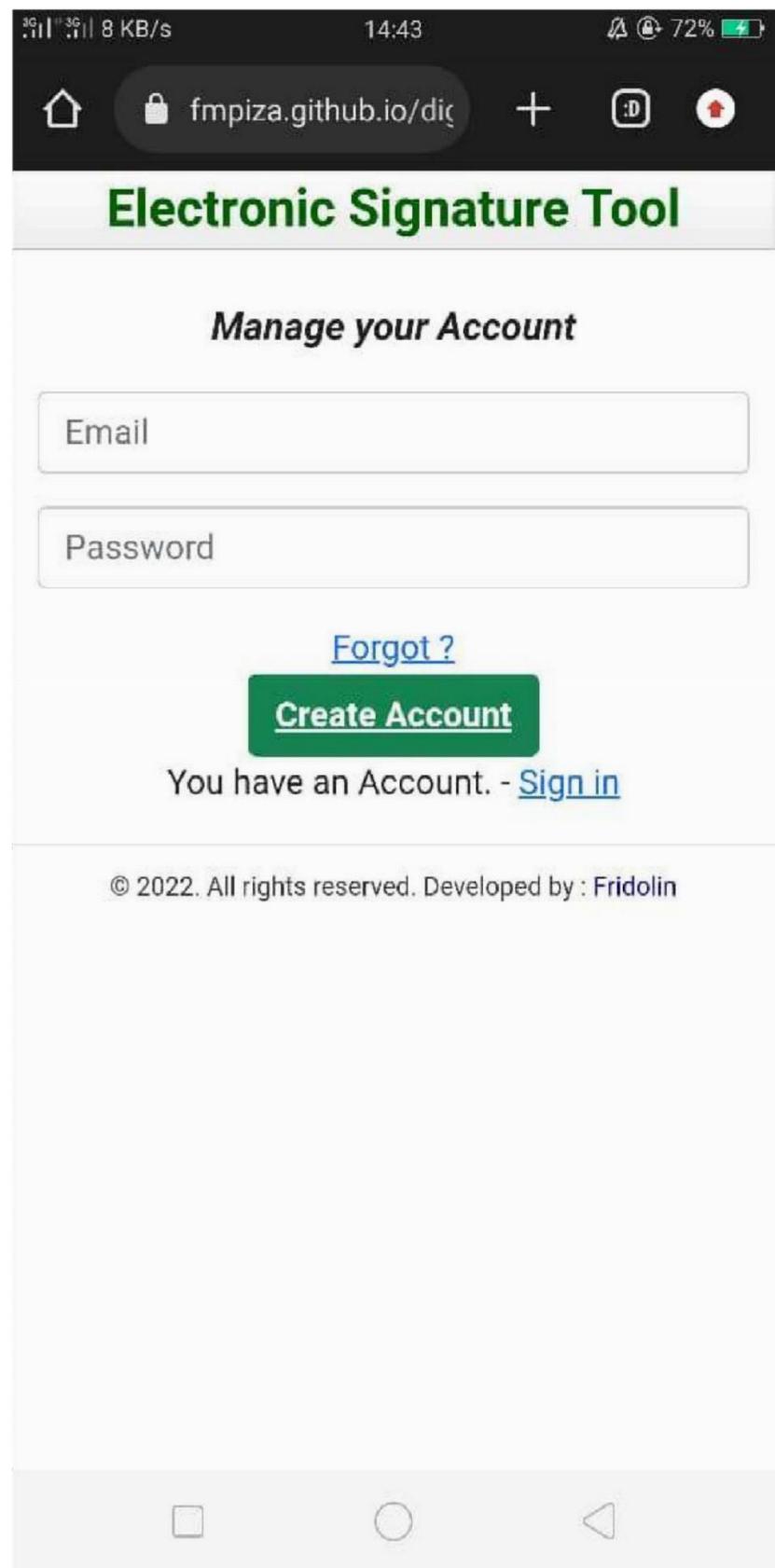
##### [System Dashboard](#)

- Also this tool was developed under the consideration of user friendliness especially on the issue of graphic user interactivity for an easy implementation during its usage by user. The system dashboard appears as follows;



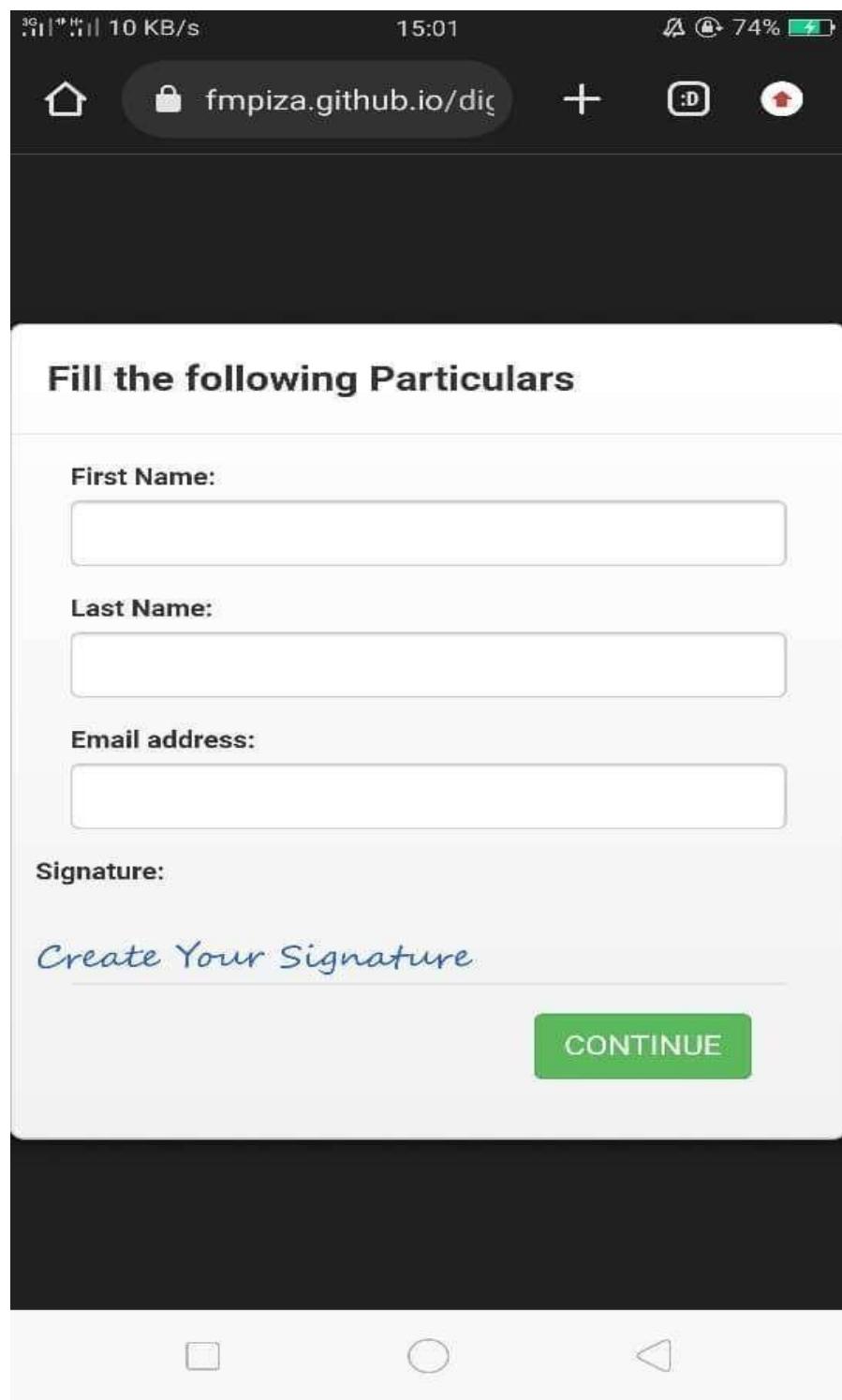
## User Account

- On this section, a system user is able to manage his / her account for accessing the system during the implementation. Here, a system user can create his access account, reset login passcode and sign in the system for further functionalities. It appears as follows.



## User Authentication

- On this section a system user is required to confirm his particulars as a part of authenticating the presence of his access account in the system. Therefore, he will be required to confirm First Name, Last Name and email address in order to sign in the system. It appears as follows.



### Signing Page

- On this section, a system user can now access and uploading his document for signing electronically where he can opt for either method of creating his digital signature

***Fridolin's Technology Company***  
**COMPANY PROFILE**

on the document including ; signature by typing in the keyboard, drawing with mouse, uploading the image or by using a touchscreen. It appears as follows.

**Fridolin's Technology Company  
COMPANY PROFILE**

The screenshot shows a mobile application interface for managing company profiles. At the top, there is a toolbar with various icons: a gear, 'SN' (Search), a calendar, three user profile icons, an envelope, a building, a briefcase, and a font size 'Aa'. Below the toolbar, there is a section for personal details:

**Nationality** Tanzanian  
**E-mail Address** fridolinmpiza82@gmail.com

Below this, there is a larger section for business details:

**Mobile Phone Numbers** 0683168429  
**Residential address** Region Arusha, District Arusha, Ward Kiranyi, Postal code 23209 , Fridolin MpizaP.o.Box 6998IlkiureiArusha  
**Is bank account operator?** Yes  
**Can this person update data in ORS?** Yes

Owner FRIDOLIN ANTHONY  
MPIZA

----- 5/10/2022  
Signature and date

At the bottom of the screen, there is a dark footer bar with a red 'FINISH' button and a three-dot menu icon. Below the footer, there are three navigation icons: a square, a circle, and a triangle.

3G 473 B/s 16:35 64%

pdfsimpli.com/esig

Create Your Signature

Type in Keyboard Draw with Mouse

Upload an Image Use Touchscreen

● —

By clicking Create, I agree that the signature and initials will be the electronic representation of my signature and initials for all purposes when I (or my agent) use them on envelopes, including legally binding contracts - just the same as a non-electronic signature or initial

2018

## **37. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

## **38. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - Initial Design as per discussion to meet client's needs.
  - Functional Prototype
  - Application development and Complete Testing

## **6. PROJECT COSTS**

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128/ =	300,000/=
Final Invoice	42/ =	100,000/=
TOTAL AMOUNT	250 USD /=	600,000/=



## PHONE CALLS HANDLING MANAGEMENT SYSTEM PROPOSAL

Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer

## CONTENTS

1.	INTRODUCTIO
N.....	123
2.....	TECHNOLOGIES
USED .....	123
3.....	PRODUCT
FEATURES .....	123
3.1        System Dashboard .....	123
3.2 Outgoing Calls .....	v
3.3 Incoming Calls.....	vi
3.4 Blocked Calls .....	vii
4.        Solution Online.....	ix
5.        Execution Timeline.....	x
6.        Project Costs.....	xi

## 1. INTRODUCTION

This is an engineered system developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can both make outgoing phone calls and receiving incoming phone calls as well as viewing blocked phone calls by using a computer.

A system enable a user to do all of the mentioned above functionalities at a very low cost. The only thing which is required is to use the lowest normal airtime bundle charges for either making outgoing calls, receiving or viewing the blocked phone calls.

## 2. TECHNOLOGIES USED

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

- Interactive Voice Response (IVR),
- Application Programming Interface (API)
- Security hashes
- JavaScripts (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language) ● Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

## 3. PRODUCT FEATURES

### 3.1 System Dashboard

- A system is very user friendly since it contains impressed features for him/ her to deal with a certain functionality on the dashboard. It appears as follow system is a very user friendly since a system user can easily deal with several functionalities in a scalable and effective ways of implementation. Therefore, a system tends to make an easy functionality option on what service that a system user intended to view or get from the dashboard.

- Also, a system gives an analysis displayed on the dashboard for all outgoing phone calls, incoming calls and blocked phone calls by using the statistical ways of data analysis. It appears as follow

0 B/s 15:58 86% 

3+ 7

# Phone Calls Handling Management System

Enter phone number

CALL

RECEIVE

## Outgoing Calls Statistics

Outgoing Calls %



Month	Percentage
January	12%
February	12%
March	12%
April	12%
May	12%
June	12%
July	12%
August	12%
September	12%
October	12%
November	12%
December	12%

2018   

The screenshot shows a mobile application interface with a dark theme. At the top, there is a header bar with icons for signal strength, battery level (86%), and time (15:58). Below the header is a navigation bar with a home icon, a lock icon, the URL "fmpiza.github.io/ph", a plus sign, a square icon with a 'D', and a three-dot menu icon.

**Outgoing Calls %**

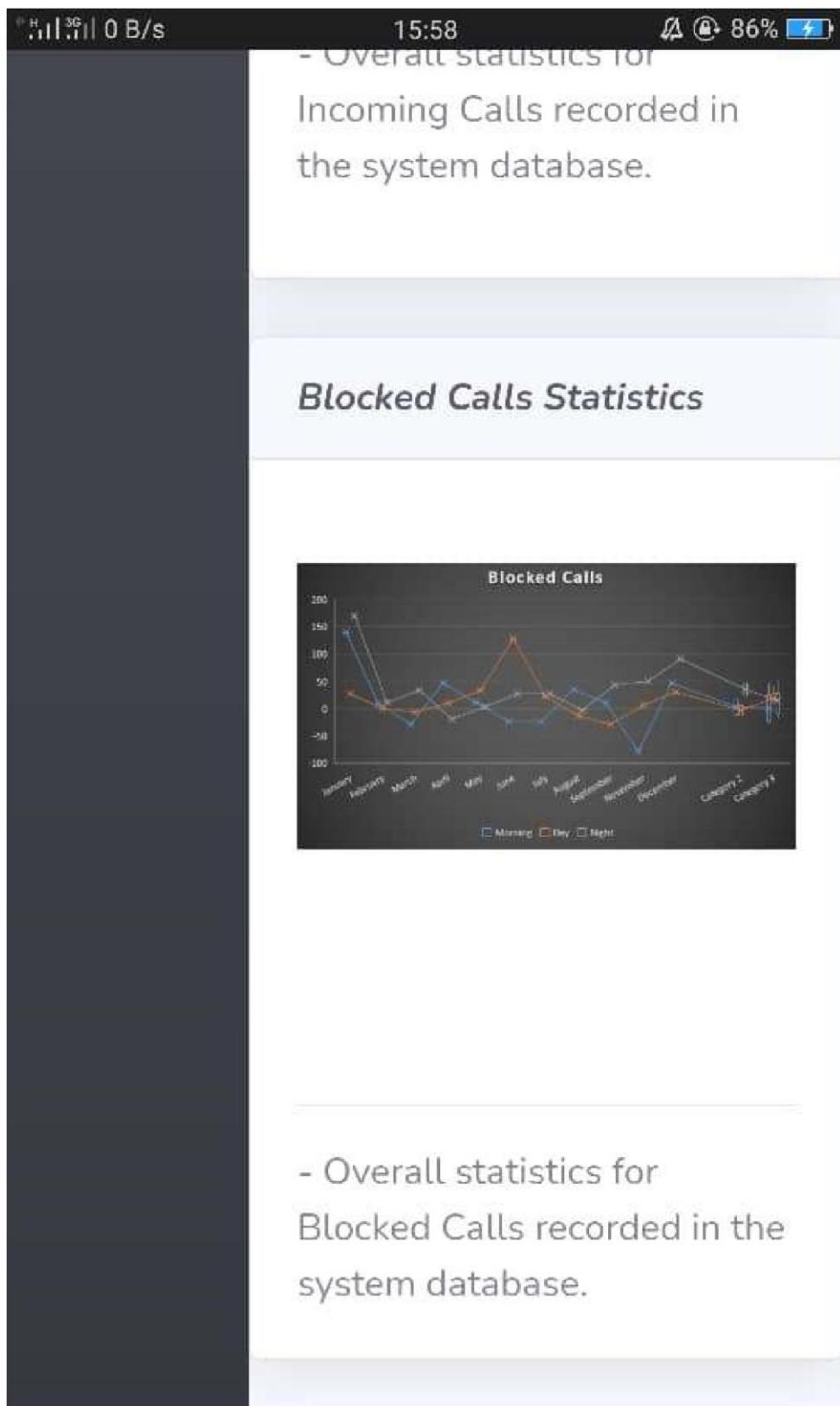
A pie chart titled "Outgoing Calls %" showing the distribution of outgoing calls by month. The data is as follows:

Month	Percentage
January	12%
February	9%
March	11%
April	2%
May	2%
June	21%
July	17%
August	5%
September	1%
October	1%
November	1%

**Incoming Calls Statistics**

A horizontal bar chart titled "Incoming Calls Statistics" showing the number of incoming calls per month across three categories: Night (blue), Day (yellow), and Morning (green). The data is as follows:

Month	Night	Day	Morning
December	9	13	15
November	2	9	15
October	5	12	11
September	3	6	12
August	2	9	9
July	5	10	16
June	4	5	14
May	5	9	11
April	3	5	15
March	1	4	4
February	1	2	4
January	2	4	4.5



### 3.2. Outgoing Calls

- On this section, a system user can make the outbound phone calls to a certain phone number by only typing on the blank space named “Enter phone number” on the system dashboard section. Then, he will click on the red button named “CALL”. It appears as follow

0 B/s 15:58 86%

3+ 7

# Phone Calls Handling Management System

Enter phone number

CALL |

RECEIVE

## Outgoing Calls Statistics

The pie chart displays the percentage distribution of outgoing calls across four months:

Month	Percentage
January	45%
February	12%
March	30%
April	13%

2018

□ ○ ◀

The screenshot shows a mobile application interface. At the top, there is a header bar with a signal strength icon, "2 KB/s", the time "15:58", and a battery icon showing "86%". Below the header is a navigation bar with icons for home, lock, and search, followed by the URL "fmpiza.github.io/ph". To the right of the URL are icons for a plus sign, a square with a circle, and three dots.

The main content area has a dark sidebar on the left containing the following menu items:

- Dashboard** (with a phone receiver icon)
- Outgoing Calls** (with an envelope icon)
- Incoming Calls** (with an envelope icon)
- Blocked Calls** (with an envelope icon)

The main content area features a large title:

# Phone Calls Handling Management System

Below the title is a section titled *Recorded Outgoing Calls* with a page navigation bar showing "« 1 2 3 »".

Four phone numbers are listed vertically in colored boxes:

- 0769567423 (light gray box)
- 0688465741 (blue box)
- 0712354659 (gray box)
- 069282645 (green box)

At the bottom of the screen, there is a footer bar with three icons: a square, a circle, and a triangle.

### 3.3. Incoming Calls

- Also, a system user is able to receive incoming phone calls made to a certain number by only clicking on the green button named “RECEIVE” and then the system user will be able to continue with his dialogue by using a computer. It appears as follow

0 B/s 15:58 86% 

3+ 7

# Phone Calls Handling Management System

Enter phone number

CALL

RECEIVE

## Outgoing Calls Statistics

Outgoing Calls %



Month	Percentage
January	12%
February	12%
March	12%
April	64%

2018

□ ○ ◀

0 B/s 15:59 86%

Dashboard

✉ Outgoing Calls

✉ Incoming Calls

✉ Blocked Calls

# Phone Calls Handling Management System

*Recorded Incoming Calls*

« 1 2 3 »

0683168429
0755483647
0713826484
0672354657

Copyright © 2022. Developed by :  
**fridolin**. Tel: (+255) 683 168 429 /

### 3.4. Blocked Calls

Here a system user can view the several blocked phone calls made to the system where the list of all phone numbers rejected on a certain phone number will appear from the database. It appears as follow

0 B/s 15:59 86%

Dashboard

✉ Outgoing Calls

✉ Incoming Calls

✉ Blocked Calls

# Phone Calls Handling Management System

## Recorded Blocked Calls

« 1 2 3 »

0712546374
0716475890
0623465732
0712647583

Copyright © 2022. Developed by :  
**fridolin.** Tel: (+255) 683 168 429 /  
713 826 484



#### **4. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

#### **5. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - Initial Design as per discussion to meet client's needs.
  - Functional Prototype
  - Application development and Complete Testing

#### **6. PROJECT COSTS**

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128/ =	300,000/=
Final Invoice	128/ =	300,000/=
<b>TOTAL AMOUNT</b>	<b>300 USD /=</b>	<b>800,000/=</b>



## **LOCATION TRACKER SYSTEM PROPOSAL**

**Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer**

## CONTENTS

1.	Introduction .....	i
2.	Technologies used.....	ii
3.	Product Features.....	iii
3.1	System Dashboard.....	iv
3.2	Satellite View.....	v
3.3	Terrain View.....	vi
4.	Solution Online.....	xii
5.	Execution Timeline.....	xiii
6.	Project Costs.....	xiv

## 39. 1. INTRODUCTION

This is a single paged platform developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can track a certain mobile phone number's location by filling needed particulars on the system. A system user can get an accuracy of location depending on their distance, map height and map width as described below.

## 40. 2. TECHNOLOGIES USED

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

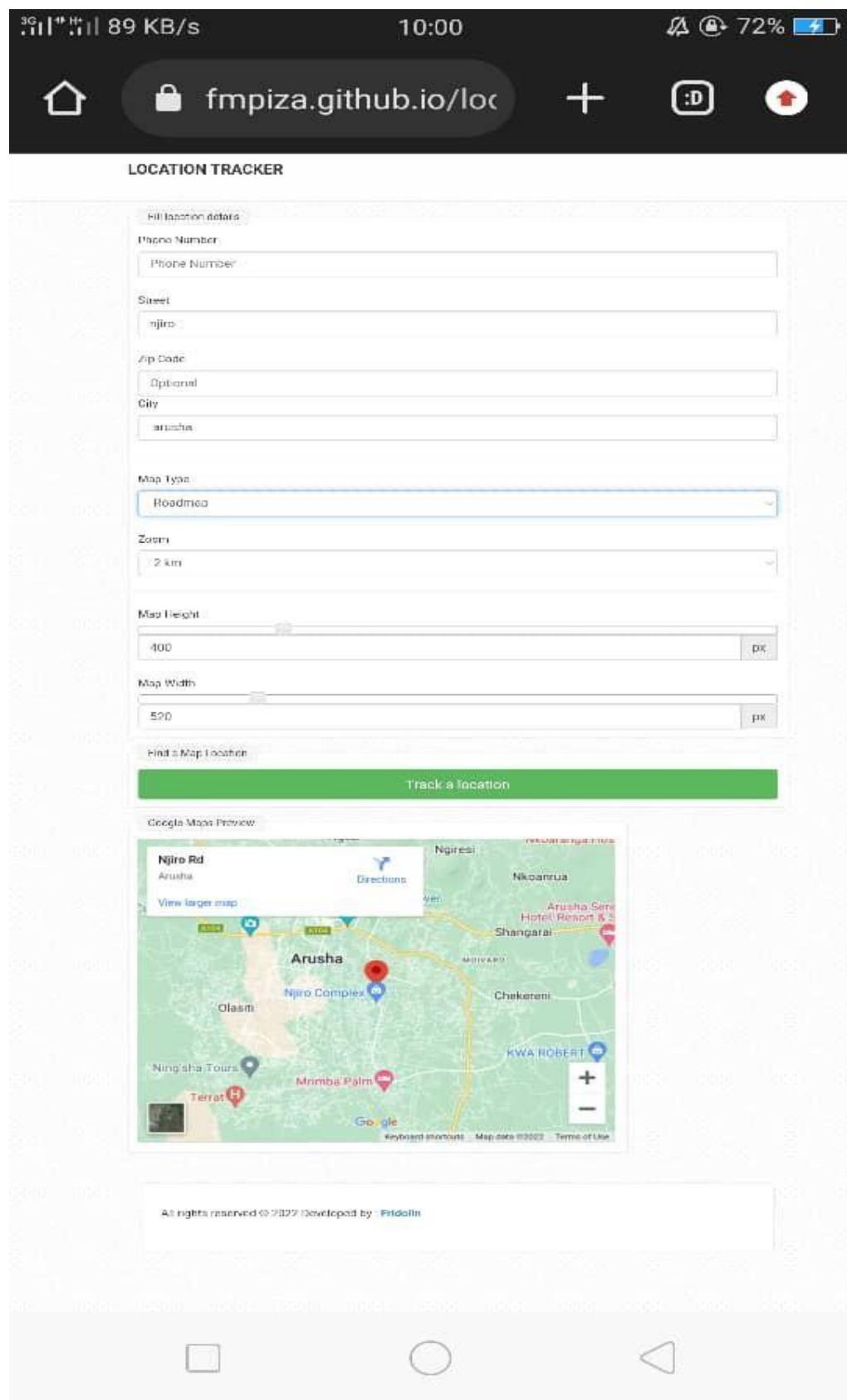
- Python,
- Map Application Programming Interface (API)
- Satellite
- JavaScripts (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language)
- Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

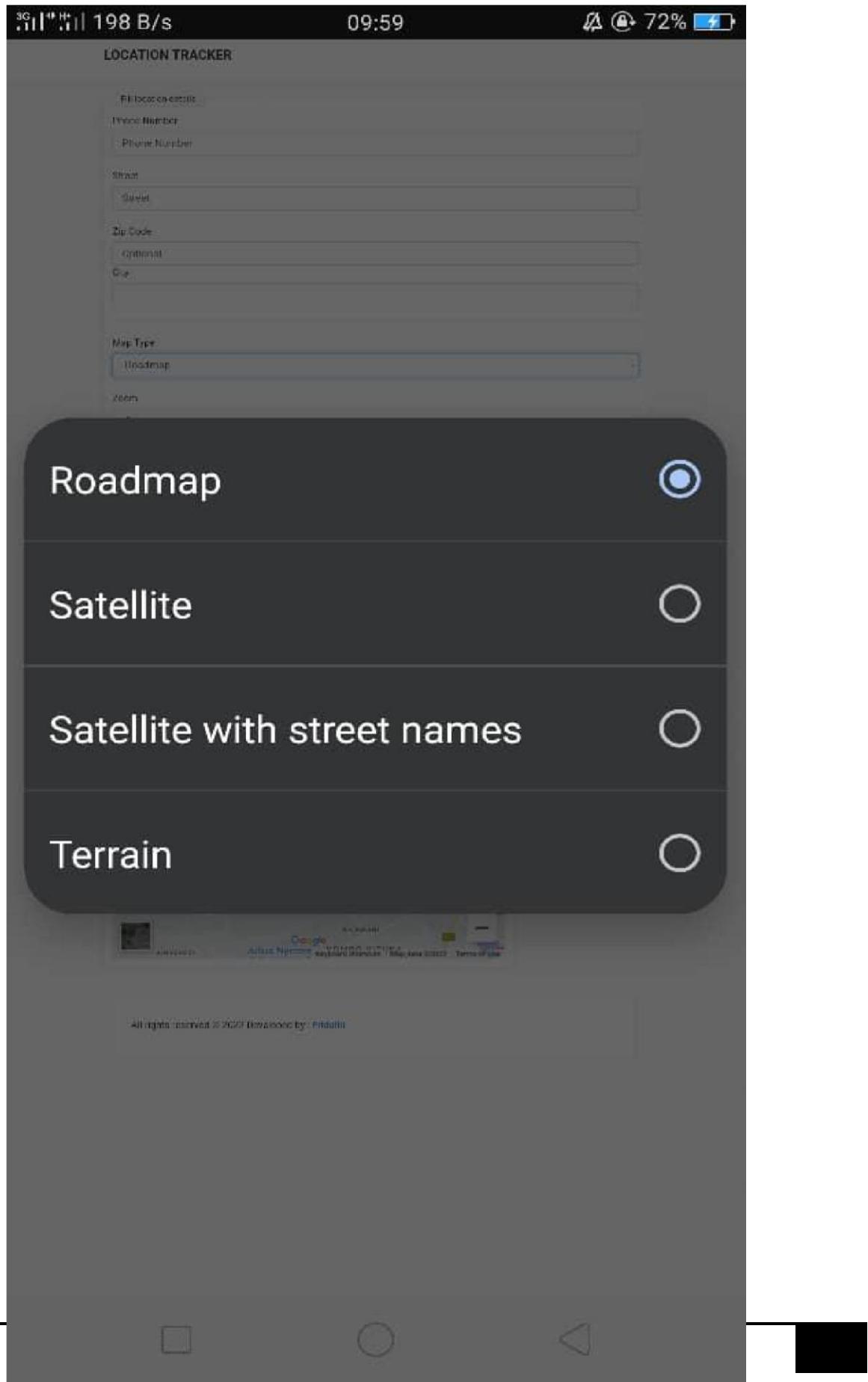
## 41. 3. PRODUCT FEATURES

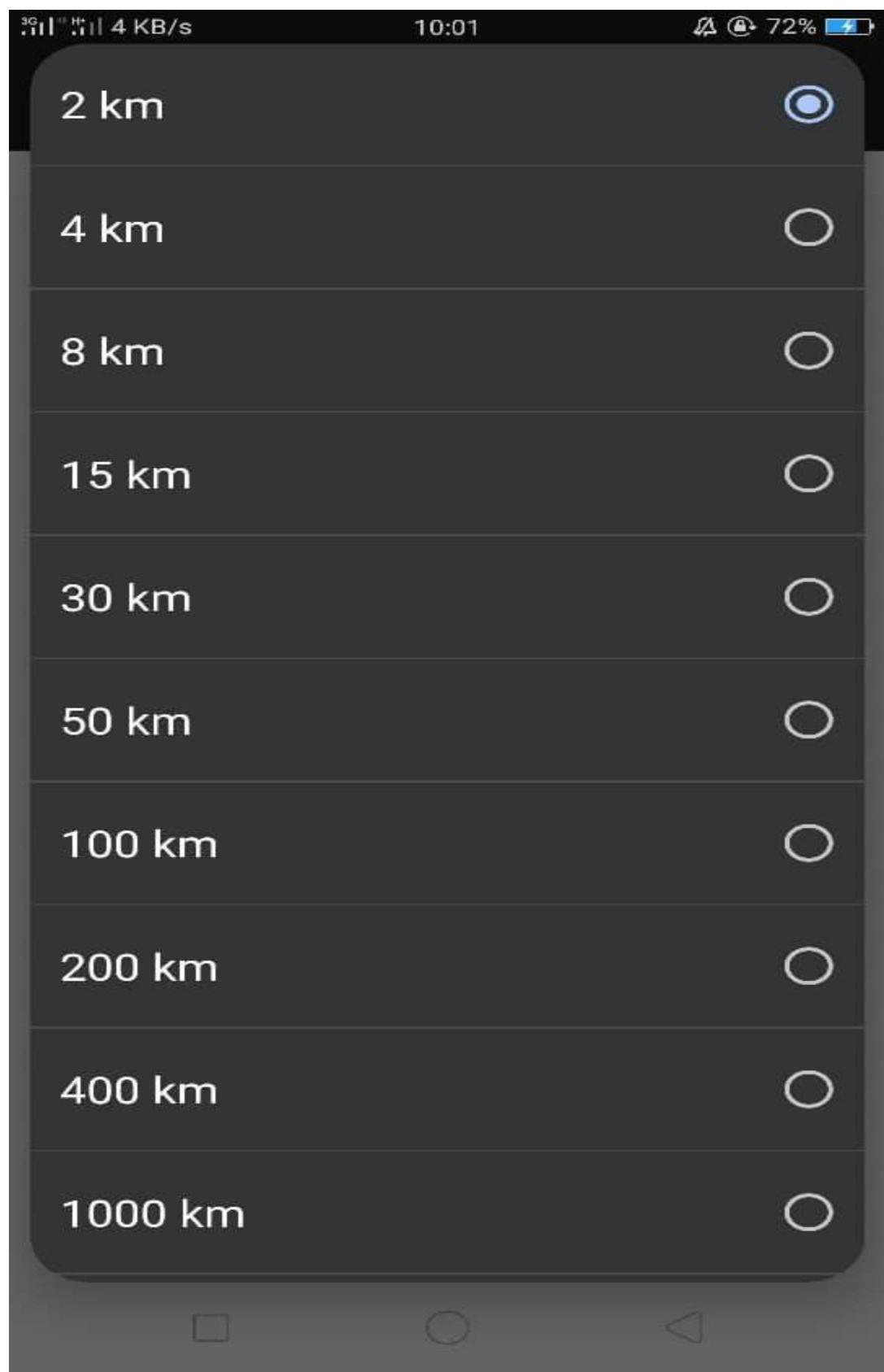
### 3.1 System Dashboard

- A location tracker system is a single paged application with several sub-components which enable a system user to fill the required particulars including a Mobile Phone Number section, street, Zip Code (Optional), City(Last area of phone number to be available), Map type, distance kilometers and Map zoom mechanisms as appear below.



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### *3.2. Satellite View*

- On this section, a system user can see a satellite view on the system in order to magnify a real appearance of the located area in corresponding to a tracked mobile phone number on the system. Where m a system enables him/her to see demarcations, signs and systems as well as zooming mechanisms on the map. It appears as follows.

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**COMPANY PROFILE**

3G 3G 0 B/s 10:01 72%

fmpiza.github.io/loc

LOCATION TRACKER

Fill location details

Phone Number

Street  njiro

Zip Code  Optional

City  arusha

Map Type  Satellite

Zoom  2 km

Map Height  400 px

Map Width  590 px

Find a Map Location

Google Maps Preview

Njiro Rd.  
Arusha  
Directions  
View larger map  
Arusha  
Njiro Complex  
Ningata Tours  
Teraf  
Mrimba Palm  
KWA ROBERT  
Ngorongoro  
Nikandua  
Shangarai  
Molivani  
Chekereni  
Arusha Sari Hotel Resort & Spa  
+ -  
Keyboard: zh-tw/tw | Map data © 2022 Imagery © 2022 TerraMetrics | Terms of Use

All rights reserved © 2022 Developed by Fridolin

### 3.3. Terrain View

- Also, a system enable user to see how a certain tracked mobile phone number can appear in a terrain view on the map. Where a system user can see roads signs, directions and zooming mechanisms so as to view an actual appearance of tracked area. It appears as follows.



## LOCATION TRACKER

Fill location details

Phone Number

Phone Number

Street

njiro

Zip Code

Optional

City

arusha

Map Type

Terrain

Zoom

2 km

Map Height

400

px

Map Width

500

px

Find a Map Location

Track a location

Google Maps Preview



## 42. 4. SOLUTION ONLINE

Eng. Fridolin will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

## 5. EXECUTION TIMELINE

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - Initial Design as per discussion to meet client's needs.
  - Functional Prototype
  - Application development and Complete Testing

## 6. PROJECT COSTS

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128 / =	300,000/=
Final Invoice	42 / =	100,000/=
<b>TOTAL AMOUNT</b>	<b>250 USD /=</b>	<b>600,000/=</b>



43. ONLINE IT CRIMES REDUCING INFORMATION SYSTEM PROPOSAL

Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer

## **CONTENTS**

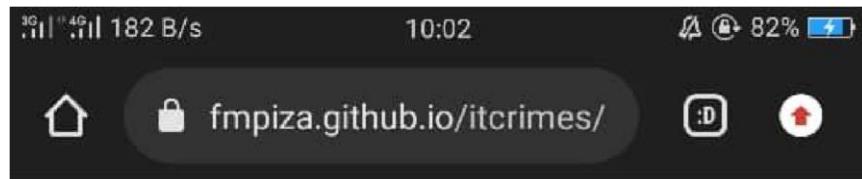
1.0 Introduction.....	i
2.0 Technologies Used.....	i
3.0 Navigation Section .....	ii
3.1 Reporting Section .....	ii
3.2 Investigation Section.....	iii
3.3 Reported Cases .....	iv
3.4 Alert.....	v
3.5 Contact.....	vi
4.0 Solution Online.....	ix
5.0 Execution Timeline.....	x
6.0 Project Costs .....	xi

44. 1.0 INTRODUCTION

This is an engineered platform developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can report a crime done by filling the required details in corresponding to the crime then further chain of forensic tends to be done.

Also, a system enables user to get an alert and other reported cases as a way of learning and overcoming different possible crimes in the society.

Therefore, its link to access is <https://fmpiza.github.io/itcrimes>



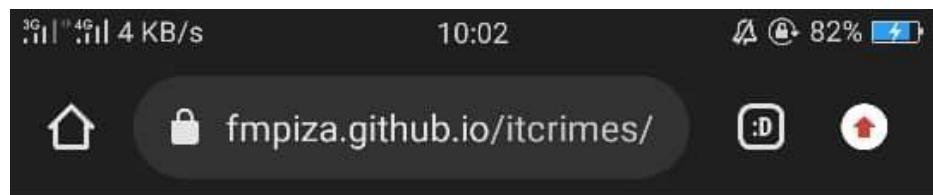
**O**nline IT Crimes Reducing System is an automated engineered system with a responsibilities of making sure that justice and all crimes are well reported and solved.

Wherever Crimes that will occur, it will be well reported, traced and law enforcing bodies will be accountable for a justice to take place.

A reported Crime will be stored in database for faster, effective and clear decision as required. In addition,



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A clear structure of case forensic is taken, including from a suspected area (Area of Crime) to the high law enforcing bodies for the justice decision

POLICE

Law enforcing procedures to a suspected person will be well taken for a justice. Therefore, further procedures

## 45. 2.0 TECHNOLOGIES USED

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

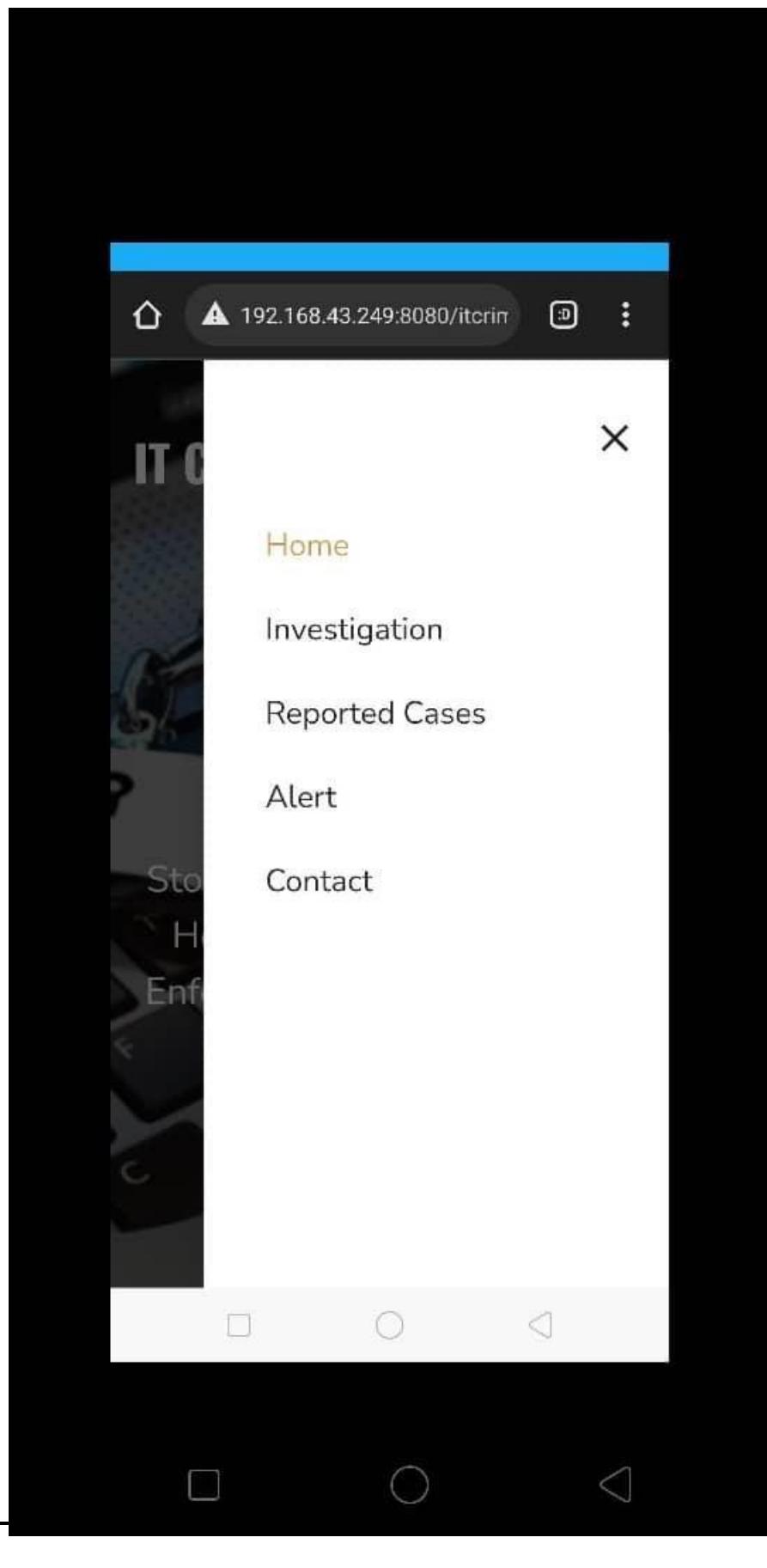
- Cryptographic Algorithms,
- Application Programming Interface (API)
- Security hashes
- JavaScipts (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language)
- Mysql Database

All of these technologies were used to make sure that the whole system is going to Undertake the intended functionalities while it is used.

## 46. 3.0 NAVIGATION SECTION

A system was developed was categorized into sub sections including navigation bar in which the different system functionalities are expressed as follow;

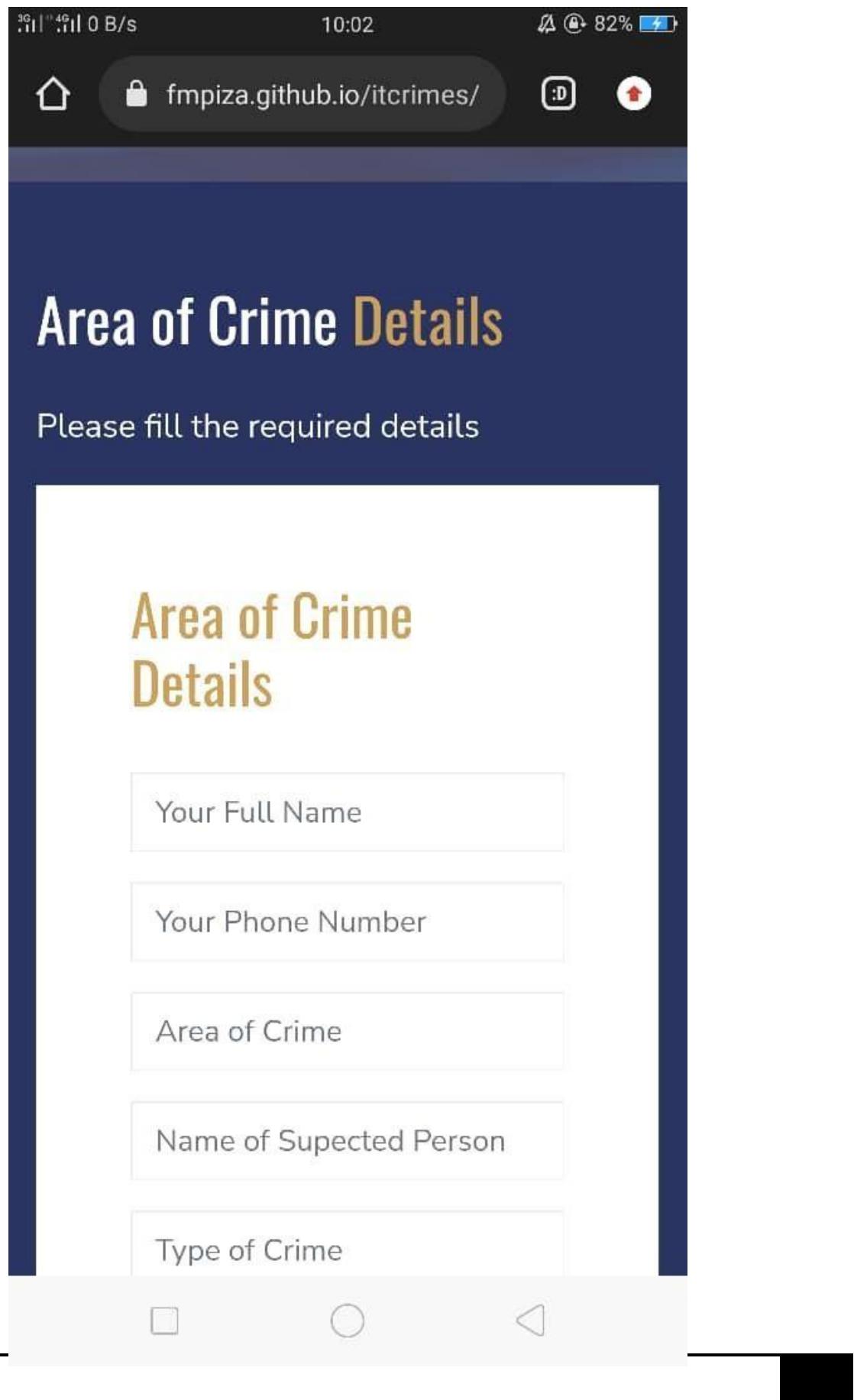




#### 47. 3.1 Reporting Crimes Section

This is a section in the system where a system user can report a certain crime done by filling the required details which include;

- The full name of reporter
- Phone Number
- Area of crime
- Name of suspected person
- Type of crime
- IP Address of Equipment (If available)
- District, Region and country of crime area
- Summary of case description It appears on the system as follow



3G | 4G 123 B/s 10:02 82%

Name of Suspected Person

Type of Crime

Ip Address of Equipment

District

Region

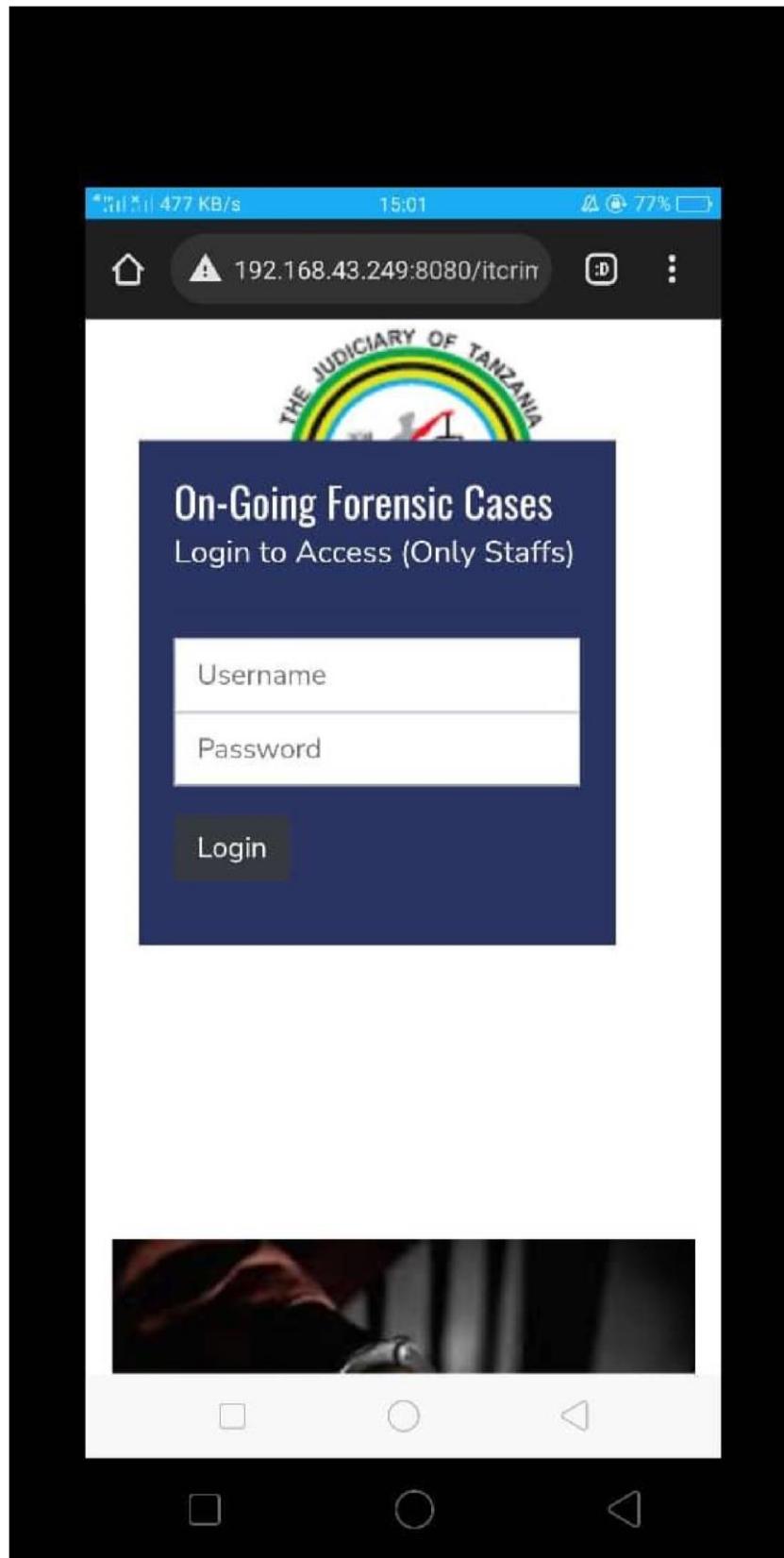
Country

Case Description

**REPORT**

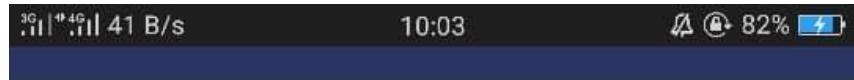
#### 48. 3.2 Investigation Section

This is a section where a system user can see sub divisions of chain of forensic of a certain case. They include pre-mature stage of a case, mature and decision stage of reported case. Therefore, these sub sections can only be accessed by the law enforcing bodies so as to make a follow up of a certain case. It appears as follow



#### 49. 3.3 Reported Cases

This section enable a system user to see some of reported cases and their law decisions. Here a system user can use as the reference or a case study to a specific kind of crime. It appears as follow.



## Solved Cases



Emmanuel Majaliwa  
Police Officer

*Our work now is real effective after the invention of this system since it is a real time and user friendly to any one.*



## Frequently Crimes

### Hacking

People steal confidential information of someone else without a



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3G 4G 1 KB/s 10:19 95%

### Online IT Crimes Reducing System



## Death False Publication of Information Case Against **Mwajuma Abdallah, Ruvuma. Tanzania**

**Wednesday, 1<sup>st</sup>  
September 2022  
@22:43:11**

A Case was against the two sides. Namely Vicent Nyamala against Mwajuma Abdallah, where Vicent Nyamala claimed for the false death information publication against him by Mwajuma Abdallah



3G | 4G | 472 B/s

10:19

95% 

## Online IT Crimes Reducing System

# Cyber Squatting Case Against **Zamarad Joshua, Mbeya. Tanzania**

**Sunday, 12<sup>nd</sup> May 2019  
@01:11:27**

A Case was against the two sides. Namely Robart Calvin against Zamarad Joshua, where Robart claimed for unauthorized uses of his business office domain by Sixberth

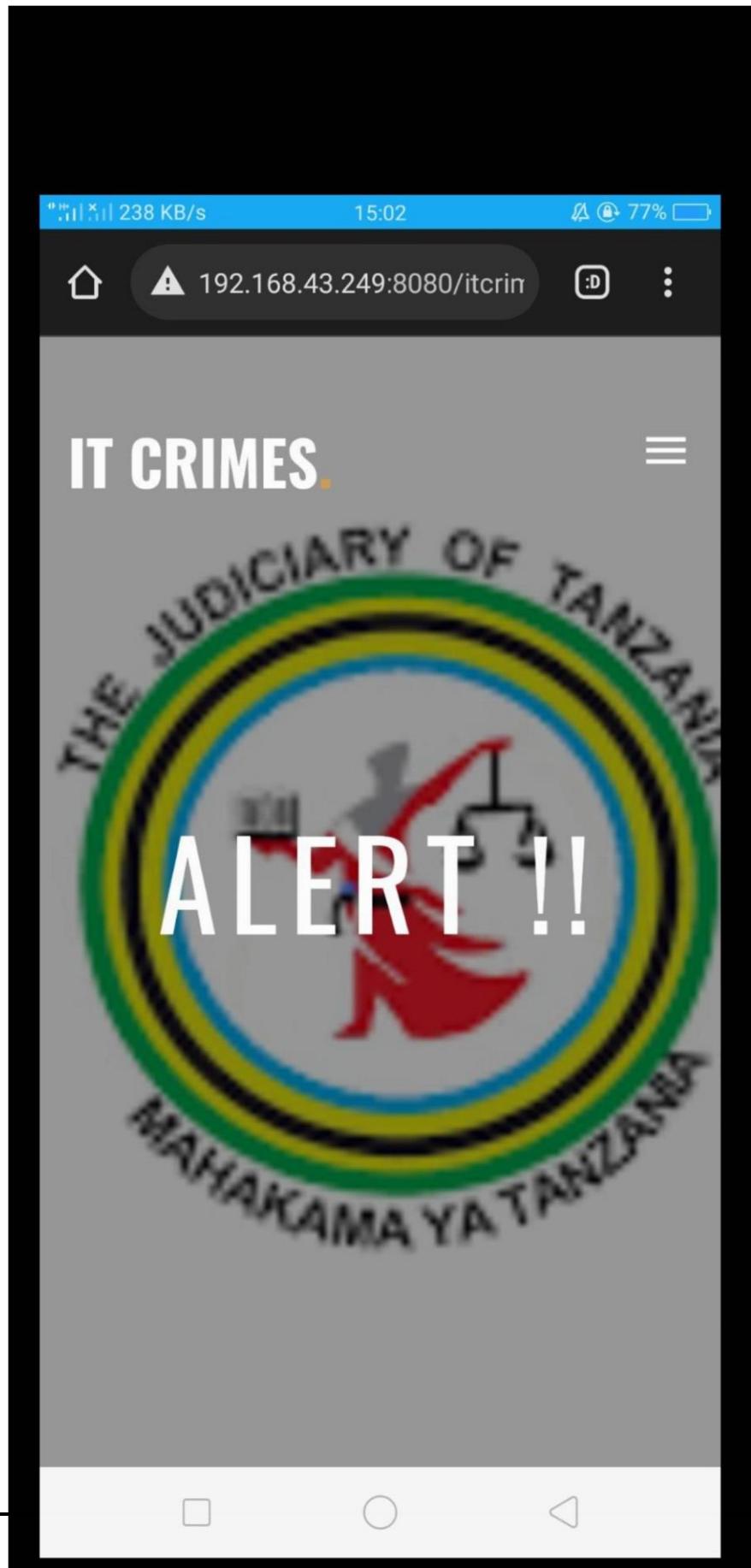
### Law Decision

After the intensive investigation by law enforcing bodies, it was decided that Zamarad Joshua to be imprisoned for 10 Years or a fine of Twenty Millions shillings by the Court of law and the money compensation was made to Robart



## 50. 3.4 Alert

This a section of the system where user can get an alert on a certain kind of crime. For example; if you do this type of crime then you will be punished as this. Therefore, a system tend to give a precautions to the user according to a certain kind of crime. It appears as follow.





Personal Hotspot : 1 connection(s) Used 30.8 MB

## Publication of false information

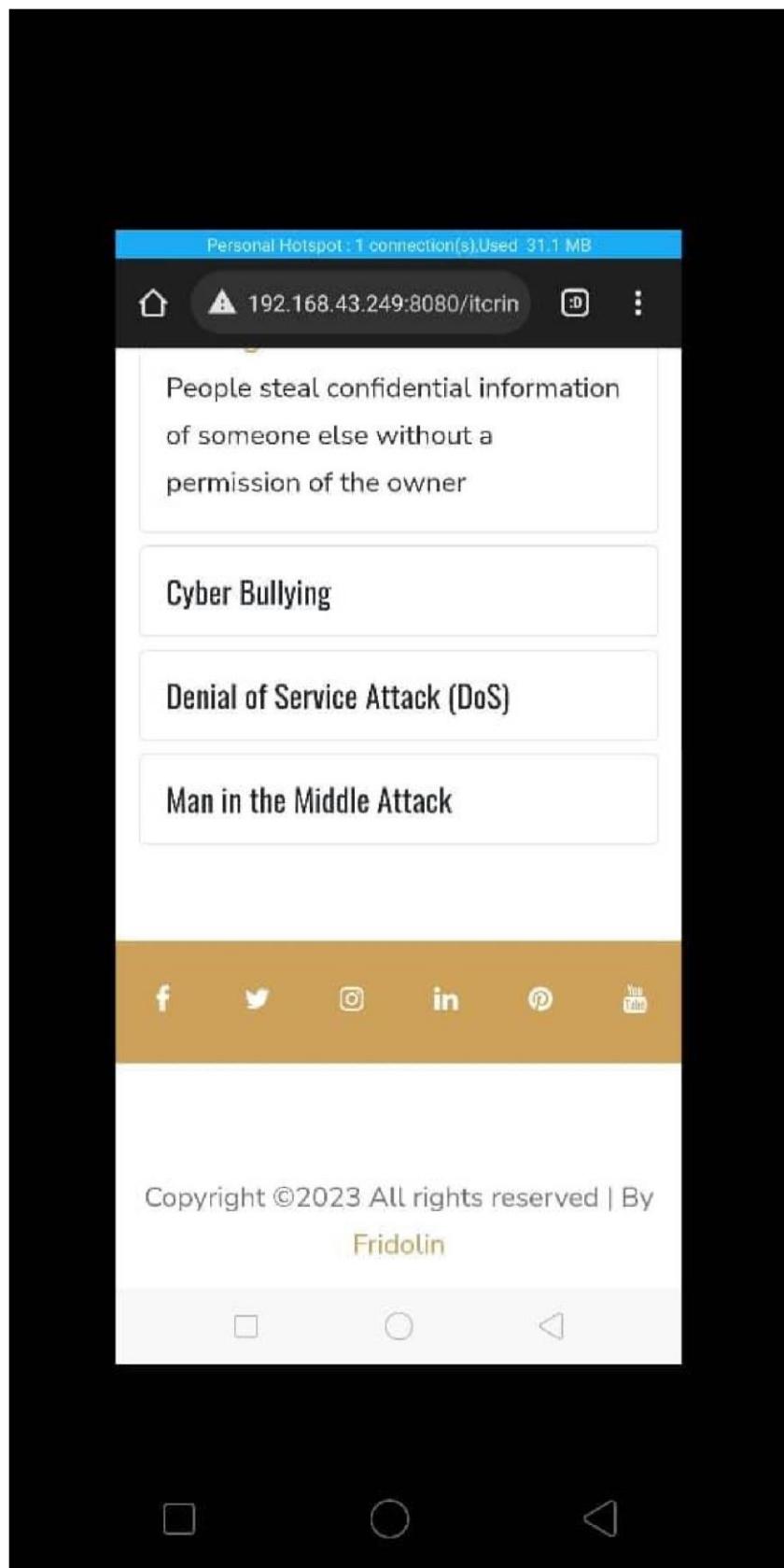
16.- Any person who publishes information or data presented in a picture, text, symbol or any other form in a computer system knowing that such information or data is false, deceptive, misleading or inaccurate, and with intent to defame, threaten, abuse, insult, or otherwise deceive or mislead the public or counselling commission of an offence, commits an offence and shall on

□ ○ ◀

□ ○ ◀

**Pornography**

14.- (1) A person shall not publish or cause to be published through a computer system or through any other information and communication technology: (a) pornography; or (b) pornography which is lascivious or obscene. (2) A person who contravenes subsection (1) commits an offence and is liable on conviction, in the case of publication of- (a) pornography, to a fine of not less than twenty million shillings or to imprisonment for a term of not less



### 51. 3.5 Contact

This section of a system tend to give an opportunity to a system user as an alternative means of communication to the authority especially in an technical related issues of the system.

## 52. 4.0 SOLUTION ONLINE

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

## 53. 5.0 EXECUTION TIMELINE

- System execution timeline including several task as follow till making sure that the system is complete to operate.

- Initial Design as per discussion to meet client's needs.
- Functional Prototype
- Application development and Complete Testing

## 5. PROJECT COSTS

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=

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Approved Design Invoice	128/ =	300,000/=
Final Invoice	128/ =	300,000/=
TOTAL AMOUNT	300 USD /=	800,000/=



## **e-VOTING MANAGEMENT SYSTEM PROPOSAL**

Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer

## CONTENTS

1.0 INTRODUCTION .....	178
2.0 TECHNOLOGIES USED.....	178
3.0 SYSTEM DASHBOARD.....	179
3.1 Voting Section.....	179
3.2 Votes Results Section .....	iv
3.3 Help Section .....	v
4.0 Solution Online .....	vi
5.0 Execution Timeline.....	vii
6.0 Project Costs.....	ix

#### 54. 1.0 INTRODUCTION

This is an engineered platform developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can process for their voting activities in the society. Through a system, user can vote for his or her candidate and seeing for the results in a very friendly mode of system interaction

A platform designed with the aim to be used in different voting activities in the society. It comprises the details of candidates in the process of election therefore a system user can only vote by clicking on the single button appears on the system dashboard.

#### 55. 2.0 TECHNOLOGIES USED

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

- Cryptographic Algorithms,
- Application Programming Interface (API)
- Security hashes
- JavaScripts (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language)
- Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

## 56. 3.0 SYSTEM DASHBOARD

### 57. 3.1 Voting Section

- This is a system section where user can make a vote to a certain candidate. Therefore, he can vote by only click the Vote Button which appears on the system dashboard. It appears as follow

3G | 4G | 82 KB/s      09:09      82% 

  fmpiza.github.io/evoting/  

[Home](#) | [View Result](#) | [Help?](#)

# e-Voting Management System

An Automated Management System aimed to be used in different Voting activities in the society. It allows the system users to vote and see results of their voting process instantly

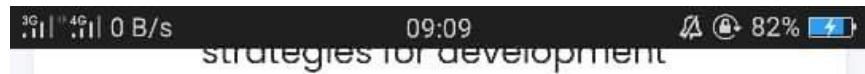


**Abraham Joel**  
Candidate to Be: [Chair Person](#)

**Slogan:** "I real promise to change the   
attitude of the people towards the society"

2018

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[View Election Rules](#)

[Vote](#)



## Fridolin Sebastian

Candidate to Be: [Chair Person](#)

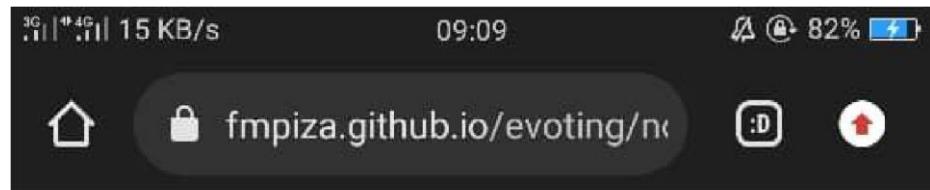
**Slogan :** "Nothing to say, than please vote for me for entire achievements in the society"

[View Election Rules](#)

[Vote](#)



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[Home](#) | [View Result](#) | [Help?](#)

## Thank You for Voting ... !!

Your Vote is recorded and analyzed for  
the final results. Please keep Calm

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Developed by **Fridolin**

*Fridolin's Technology Company*  
**COMPANY PROFILE**

3G | 4G | 0 B/s      09:09      A 82%

**Slogan :**Nothing to say, than please.

### Election Rules

X

- A system will allow you only one vote, apart from that your vote will be invalid.
- Vote analysis process is automatic generated on the system. Therefore, no any one can interfere it
- Data security is very high



**Sarah Obadiah**  
Candidate to Be: **Chair Person**

**Slogan :**"Hi, please vote for me. Your will enjoy"

**View Election Rules** **Vote**

2023 © All Rights Reserved.



### 3.2. Votes Results Section

- On this section, a system user can view the vote results by clicking on the View Result section which appears on the system dashboard where he can see results in form of percentage calculated to each corresponding candidate. It appears as follow

The screenshot shows a mobile application interface for 'e-Voting Results'. At the top, there is a header bar with icons for signal strength, battery level (82%), and other status indicators. Below the header, the URL 'fmpiza.github.io/evoting/re' is displayed in a browser-style address bar. A navigation bar at the top of the main content area includes links for 'Home', 'View Result', and 'Help?'. The main title 'e-Voting Results' is centered above a descriptive text block. This text states: 'These are auto generated results by the system after the votes to be counted and analyzed'. Below this, there is a large circular profile picture of a smiling man with short dark hair and a beard. To the right of the image, his name 'Abraham Joel' is displayed in bold black text, followed by 'Votes : 9,5674'. A progress bar below this information shows a red segment labeled '13%' against a grey background. Further down the screen, another circular profile picture of a man wearing glasses is visible, though no name or vote count is provided for this individual. At the bottom of the screen, there are three navigation icons: a square, a circle, and a triangle pointing left.

9 KB/s 09:09 82%

Home | View Result | Help?

## e-Voting Results

These are auto generated results by the system after the votes to be counted and analyzed

 Abraham Joel

Votes : 9,5674

13%



□ ○ ◀

3G | 4G | 0 B/s 09:09 82% 



## Fridolin Sebastian

Votes : 34,567

30%



## Sarah Obadiah

Votes : 89,337

57%

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Developed by **Fridolin**



### 3.3. Help Section

- On this section, a system user can see a contact phone number for help so as to solve any technical or advice issues in relationship to the operation of the system. It appears as follow

3G | 4G 82 KB/s 09:09 82% 🔋

Home | View Result | Help?

# e-Voting Management System

An Automated Management System aimed to be used in different Voting activities in the society. It allows the system users to vote and see results of their voting process instantly



**Abraham Joel**  
Candidate to Be: **Chair Person**

**Slogan :** "I real promise to change the attitude of the society through

3G | 3 KB/s

09:54

87%

Create New Contact

Add to Existing Contact

Tanzania

+255683168429 

1  
QWERTY

2  
ABC

3  
DEF

4  
GHI

5  
JKL

6  
MNO

7  
PQRS

8  
TUV

9  
WXYZ

\*

0  
+

#



SIM1



SIM2



Phone



Contacts



Favorites



#### **4. SOLUTION ONLINE**

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

#### **5. EXECUTION TIMELINE**

- System execution timeline including several task as follow till making sure that the system is complete to operate.
  - Initial Design as per discussion to meet client's needs.
  - Functional Prototype
  - Application development and Complete Testing

#### **6. PROJECT COSTS**

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128 / =	300,000/=
Final Invoice	128 / =	300,000/=
<b>TOTAL AMOUNT</b>	<b>300 USD / =</b>	<b>800,000/=</b>



## ETHICAL HACKING TECHNIQUES PLATFORM PROPOSAL

Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer

## CONTENTS

1. ....	INTRODUCTIO
N.....	196
2. ....	TECHNOLOGIES
USED .....	196
3. ....	PRODUCT
FEATURES .....	196
3.1        System Dashboard .....	196
3.2 Website Hacking .....	v
3.3 Mobile Applications Hacking .....	vi
3.4 Network Hacking (WiFi) .....	vii
3.5 Buffer Overflow Attacks .....	viii
3.6 Online Profile Safeguarding .....	ix
4.        Solution Online.....	x
5.        Execution Timeline.....	xi
6.        Project Costs.....	xii

## 58. INTRODUCTION

This is an engineered platform developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can learn several ethical hacking techniques with the aim of making sure that he/ she is on a safe side against the black hat hackers.

A platform designed with the aim of enabling the system user to improve security in his daily activities so as to avoid an intensive negative attacks. Also, a platform can help a system user to improve and safeguard his online profile on the cyberspace.

## 59. TECHNOLOGIES USED

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

- Cryptographic Algorithms,
- Application Programming Interface (API)
- Security hashes
- JavaScrips (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language)
- Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

## 60. PRODUCT FEATURES

### System Dashboard

- A system is a very user friendly since a system user can easily deal with several functionalities in a scalable and effective ways of implementation. Therefore, a system tends to make an easy functionality option on what service that a system user intended to view or get from the dashboard. It appears as follow

Personal Hotspot : 1 connection(s), Used 11.6 MB

Home ▲ 92.168.43.249:8080 + ☰ 🔍

# Ethical Hacking

## You are only here for learning.

Contact Me



2018

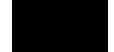
# Ethical Hacking



## Welcome To Fridolin's Ethical Hacking Techniques Page.

Remember, You are only here for learning not otherwise. For any destruction in the society, I will not be answerable.

You will be able to learn on the following hacking modules; Website Hacking, Mobile Application Hacking, Network (WiFi) Hacking, Password Cracking/ Brute-Force





# Ethical Hacking



## Security Assets

Nowadays, the extent of online security threats is so high. What the platform here is doing. It is a place to share, learn and doing the meetups with several stakeholders on the cyberspace.

```
Host is up (0.11s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE
80/tcp    open  http
443/tcp   open  https

imap scan report for 115.208.33.186.in-addr.arpa (186.33.208.115)
Host is up (0.027s latency).
All 1000 scanned ports on 115.208.33.186.in-addr.arpa (186.33.208.115) are filtered.

imap scan report for 116.208.33.186.in-addr.arpa (186.33.208.116)
Host is up (0.021s latency).
All 1000 scanned ports on 116.208.33.186.in-addr.arpa (186.33.208.116) are filtered.

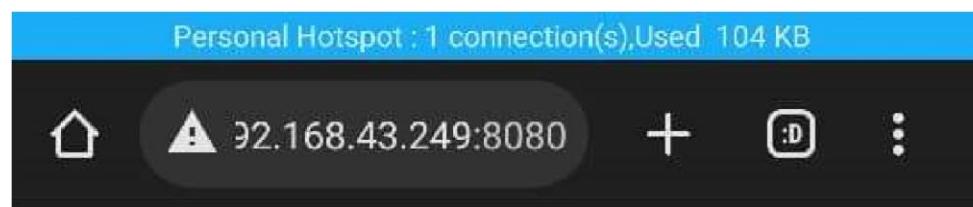
imap scan report for 117.208.33.186.in-addr.arpa (186.33.208.117)
Host is up (0.032s latency).
All 1000 scanned ports on 117.208.33.186.in-addr.arpa (186.33.208.117) are filtered.

imap scan report for 118.208.33.186.in-addr.arpa (186.33.208.118)
Host is up (0.025s latency).
Not shown: 999 filtered ports
PORT      STATE SERVICE
443/tcp   open  https

imap scan report for mx02.educ.gov.ar (186.33.208.120)
Host is up (0.021s latency).
All 1000 scanned ports on mx02.educ.gov.ar (186.33.208.120) are filtered.

imap scan report for host-186-33-209-81.modernizacion.gob.ar (186.33.209.81)
Host is up (0.039s latency).
Not shown: 997 filtered ports
PORT      STATE SERVICE
80/tcp    open  http
```





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### 3.2. Website Hacking

- On this section, a system user can learn by viewing the tutorial video on a sequential manner of learning on how the website can be hacked by using several techniques. Therefore, a system user should be able to practice in his daily life. It appears as follow

# Ethical Hacking



## Knowledge Basket

Be a part of security, online profit, trust and profile improvement.



### Website Hacking

Updated

These are techniques on how black hat hackers tend to misbehave on websites/platforms with their own financial,

### 3.3. Mobile Applications Hacking

- Also, a system user is able to learn on several mobile applications hacking by viewing tutorial videos through which he can practice in his daily life for the best competence and accuracy. Therefore, a platform can enable him to manage the skills gained by making an actual applicability. It appears as follow

5 KB/s 09:43 24%

# Ethical Hacking



platforms with their own financial, enjoyment or destruction interests.

*Click to view..*



## Mobile Apps Hacking

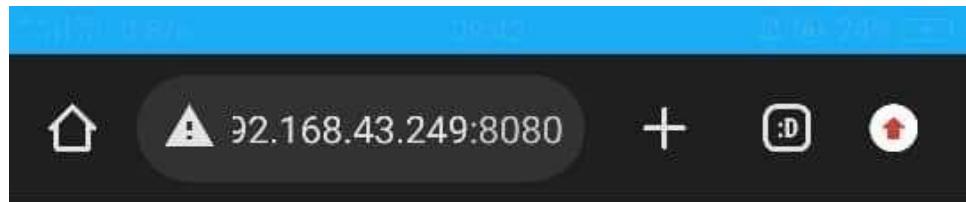
Updated

These are the techniques on how black hat hackers tends to misbehave on the functionality of mobile applications of third-party with their own negative interests.

*Click to view..*

### 3.4. Network Hacking (WiFi)

Here a system user can also learn through a tutorial videos in a sequential manner for an easy way of getting skills. Also, a platform enables a system user to learn how the WiFi or network of a certain area can be easily hacked. It appears as follow.



# Ethical Hacking

=

## Be a part of your own security

Grab a knowledge against several hackers' behaviours that can lower your online profile, visibility, trust and financial channels.



### Digital Security Algorithms

A world with high security is very essential since even the users of the mobile apps tends to enjoy the

### 3.5 Buffer Overflow Attacks

Here a system user is able to learn on how the buffer overflow can be easily attacked in a sequential tutorial videos for him or her to practice in his daily life. It appears as follow

Wi-Fi 3G 0 B/s 09:42 24%

# Ethical Hacking



## Security Assets

Nowadays, the extent of online security threats is so high. What the platform here is doing. It is a place to share, learn and doing the meetups with several stakeholders on the cyberspace.

```
Host is up (0.01s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE
80/tcp    open  http
443/tcp   open  https

imap scan report for 115.208.33.186.in-addr.arpa (186.33.208.115)
Host is up (0.027s latency).
All 1000 scanned ports on 115.208.33.186.in-addr.arpa (186.33.208.115) are filtered

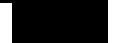
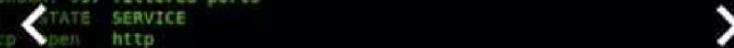
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Host is up (0.039s latency).
Not shown: 997 filtered ports
PORT      STATE SERVICE
80/tcp    open  http
```



### 3.6 Online Profile Safeguarding

Also a system can enable user to improve his online profile against the black hat hackers which can lowers them in their daily business profile activities or the similar tasks. Therefore, a platform can enable them to learn by using the sequential tutorial videos uploaded on the platform. It appears as follow.

Personal hotspot | 1 connection(s) Used: 11.9 MB

# Ethical Hacking



## Stop Online Money fraud

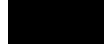
Know how to avoid and escaping from scamming and online hackers mode of conducts in your daily financial tasks.



## Safeguard Your Online Profile

Especially, to online business people.

Increase your online profile confidence as



The screenshot shows a mobile application interface. At the top, there is a blue header bar with signal strength, battery level (23%), and other icons. Below this is a black navigation bar with a home icon, a search bar containing the IP address '92.168.43.249:8080', a plus sign, a square icon with a circle inside, and a red arrow icon. The main content area has a white background. On the left, there is a large title 'Ethical Hacking' with a three-line menu icon to its right. In the center, there is a dark blue button with the text 'Send Message'. Below this, there is a large, mostly empty white space. At the bottom of the screen, there is a dark grey footer bar with the text 'About Fridolin' on the left, followed by a detailed biography. To the right of this, there are sections for 'Quick Links' and 'About Us'. The bottom of the screen also features standard Android navigation icons: a square, a circle, and a triangle.

Ethical Hacking

Send Message

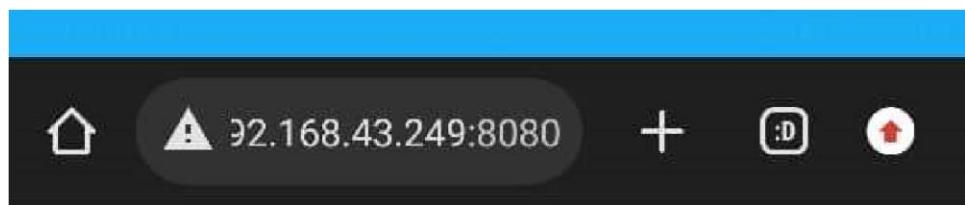
About Fridolin

Msc. Holder in Information Security, CCNA  
Network Security Cisco Certified, Ethical  
Hacker, Digital Forensic & Biometric Expert  
and Software Engineer.

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Fridolin



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## **ICT POLICY FRIDOLIN'S TECHNOLOGY COMPANY**

**Prepared by: FRIDOLIN MPIZA, Tanzania Network and  
Software Engineer**

**Company Website: Link** [fmpiza.github.io/webfridolin](https://fmpiza.github.io/webfridolin)

## **1. OVERVIEW**

The internet is to be used to further the Organization’s mission of providing the highest quality to the Organization’s employees and customers, and to support other direct job-related purposes. Supervisors should work with employees to determine the appropriateness of using the Organization’s internet/ intranet access. Limited personal use of internet resources is a special exception to the general prohibition against the personal use of computer equipment and software. Employees are individually liable for any and all damages incurred as a result of violating Organization security policy, copyright and licensing agreements.

For these reasons, internet access will be granted only to users to support business activities and only according to their needs in the exercise of their professional functions and roles.

## **2. PURPOSE**

The purpose of this policy is to define the appropriate uses of the internet by *Fridolin’s Technology Company* employees and affiliates.

## **3. APPLICABILITY**

This policy applies to all employees and the use of the term “employees” should be read broadly to include permanent full-time employees and part-time employees, contract workers, temporary workers, business partners and suppliers who have access to the internet through computer or networking resources. In addition, this policy also covers and applies to the employees using social media for work purposes and to the personal use of social media when away from work when the employee’s employment is identified, known or presumed.

The Organization’s internet users are required to familiarize themselves with and comply with this policy, as well as to use common sense and judgment in the use of internet services.

## **4. POLICY**

### **4.1 Access to Developed/ Programmed Software**

A Company Policy on the access of its software products as services to their customers which including the statement that An Access to a certain software developed by the Company should remain to the owner/ customer who bought that software from the initial user case stage, development stage towards the final project stage ready for use. Therefore, a Company will not be accountable for any risk otherwise there will be some instructions given to their customers after the handling of the software product.

### **4.2 Access to the internet**

Internet access will only be granted if reasonable operational needs are identified. In addition, internet services will only be provided in accordance with the employee's current responsibilities. If an employee changes business unit or job, a new internet access request must be submitted within 14 days. Finally, user internet access requirements will be reviewed periodically by Organization departments to ensure that needs are ongoing.

### **4.3 Allowed Usage**

The use of the internet is granted only to support commercial activities necessary for the performance of professional duties. All users must follow the Organization's principles concerning the use of resources and exercise good judgment in the use of the internet. If, you have any questions, please contact the IT department. Acceptable use of the internet to perform the duties of a position includes;

- Communication between employees and non-employees for commercial purposes
- IT technician support downloading software updates and patches
- Review of potential supplier's websites for product information
- Reference regulatory or technical information
- Research

### **4.4 Personal Usage**

The use of the Organization's IT resources to access the internet for personal use, without the approval of the user's manager and IT department may result in disciplinary action up to and including termination. All internet users should be aware that the Organization' network creates an audit log that it is constantly reviewed. Users who choose to store or transmit personal information such as private keys, credit card numbers or certificates or who use internet "wallets" do so at their own risk. **Fridolin's Technology Company** is not responsible for any loss of information, such as information stored in the portfolio, or any resulting loss of personal property.

#### **4.5 Prohibited Usage**

The acquisition, storage and dissemination of illegal, pornographic or racially, gender or belief denigrating data is expressly prohibited. The Organization also prohibits the conduct of a commercial enterprise, political activities, any form of information gathering at its facilities and fraudulent activities or the knowing dissemination of false and defamatory material. Other activities that are strictly prohibited include but are not limited to:

- Using the facilities and equipment in conflict with our objectives, such as to operate a personal business or to seek alternate employment.
- Broadcasting personal points of view such as commentaries on social issues.
- Participating in the internet chat groups, online contest or promotion.
- Using the facilities and equipment to buy or sell items.
- Using the facilities and equipment to participate in any kind online games, including gambling.
- Access Organization information that is not part of their work. This includes unauthorized reading of client account information, unauthorized access to personnel file information and access to information that is not necessary for the appropriate performance of the employee's position.
- Misuse, unauthorized disclosure or modification of customer or staff information. This includes unauthorized modification of a personal file or sharing of electronic data on clients or staff with unauthorized personnel.
- Any conduct that would constitute or encourage a criminal offense, lead to civil liability or otherwise violate any regulations, local, state, national or international law.
- Creation, posting, transmission or voluntary receipts of any unlawful, offensive, threatening, harassing material, including but not limited to comments based on race, national origin, sexual orientation, age disability, relation or political beliefs.
- The use, transmission, duplication or voluntary receipt of materials that violates the copyrights, trademarks, trade secrets or patent rights of any person or Organization. Assume that all materials on the internet is protected by copyright or patents unless specifically stated otherwise.
- Knowingly post, transmit or otherwise distribute a virus, bug, malicious code, "Trojan horse", "worm" or other harmful or disruptive data.
- Engage in an activity which does or may serve to violate generally accepted standards of internet conduct and usage including but not limited to the use of insulting language known as "flaming" denial of service attacks, web page defacement, port and network scanning and any unauthorized system penetration.
- Unauthorized downloading of any shareware programs or files for use without authorization in advance from the IT department and the user's manager.

## **4.6 Expectation of Privacy**

### **4.6.1 Surveillance**

Users should consider their activities as being monitored periodically and limit their activities accordingly. Management reserves the right to review emails, personal files directories, web access and any other information stored on the Company's computers at any time without notice. This review ensures compliance with internal and assist in the management of Company's information systems.

### **4.6.2 Email Privacy**

Users should be aware that plain text e-mail is not a confidential means of communication. The Company cannot guarantee that electronic communications will be confidential. Employees should be aware that electronic communications may depending on the technology be transmitted, intercepted, printed and stored by third parties. Users should also be aware that once an email is sent, it can be modified.

## **4.7 Maintaining Organizational Image**

When using Company resources to access and use the internet, users must realize that they represent the Organization. Whenever employees declare affiliation with the Company, they must also clearly state that "the opinions expressed are mine and not necessarily those of the Company". Questions can be addressed to the IT department.

In addition, users must not place Company materials such as internal memos and press releases as well as documentation on a mailing list. Any posting of materials must be approved by the employee's manager or public relations department and will be placed by an authorized person.

## **4.8 Periodic Review**

To ensure compliance with this policy, periodic reviews will be conducted. These reviews will include testing the degree of compliance with usage policies. Periodic reviews also be conducted to ensure the appropriateness and the effectiveness of usage policies. These reviews may result in the modification, addition or deletion of usage policies to better suit Company information needs.

## **5 FILE MAINTENANCE/ IT ACCESS**

All IT personnel are bound by a confidentiality agreement that prohibits them from sharing information regarding employee's computer accounts with anyone except the CEO.

All computers are checked for software updates on a regular basis. From time to time computer backups require intervention of IT personnel to access file names and sizes.

Files and emails will be including email are accessible by the IT personnel to the super-user capability of their administrative login and the nature of the access required to perform the support duties.

Requests to IT personnel to check on employee computers may be necessary in the event of suspicious of frauds, misuse or other extenuating circumstances and this request must be authorized by the General Manager.

Staff will be notified that their computer use, or activity was viewed. Any information accessed by the IT personnel will remain confidential

## **6 SANCTIONS**

Potential violations of this policy may result in suspension of the user's access to the Organization's internet and email resources, followed by review of any cost and/ or charges incurred the Organization. Violations of this policy may subject users to the loss of internet and email privileges and may result in disciplinary action, including termination, illegal acts involving the Organization's internet and email resources may also subject violators to prosecution by local, provincial/ state and / or federal authorities. The Organization may seek legal action against any violators

## **7 EMPLOYEE AGREEMENT INTERNET USAGE POLICY**

I have read, understand and agree to comply with the foregoing policies, rules and conditions governing the use of the Organization's Internet Usage Policy. I am aware that violations of this guideline on inappropriate use of Organization network system may subject me to disciplinary action, including termination from employment, legal action and criminal liability. I further understand that my use of the internet may reflect on the image of **Fridolin's Technology Company** and that I have responsibility to maintain a positive representation of the Organization. Furthermore, I understand that this policy can be amended at any time.

EMPLOYEE

COMPANY

---

*Authorized Signature*

---

*Authorized Signature*

---

Print Name and Title

---

Print name and Title