



# **SIM Card Registration System**

## **(The Mobile Way)**

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# Thinkways – A Brief Introduction



- Established in **2005**, cater to mobile enterprise and entertainment solution
- Involved in the development & deployment of **Mchek**, which presently used by **Airtel** and **Tata DOCOMO**
- First to introduce mobile based **Financial Inclusion** (Rural banking) in India availed by 18 banks.
- Well aware of the African market as we have worked with banks & operators in **West Africa**
- Expertise in mobile banking (banked/unbanked) & payments involving technologies like **biometric, SIM & NFC**

# Present SIM Registration Scenario



- ❑ **Customer** goes to an agent/retailer
- ❑ Fills a **Form**
- ❑ Provides **Photograph**
- ❑ Provides copy of **ID Proof**
- ❑ **Signs** the form after reading Terms & Conditions
- ❑ Agent organizes the information & **couriers** or self delivers
- ❑ Information is entered into the Central Server by **Data Entry Operators**

# Issues with Existing System

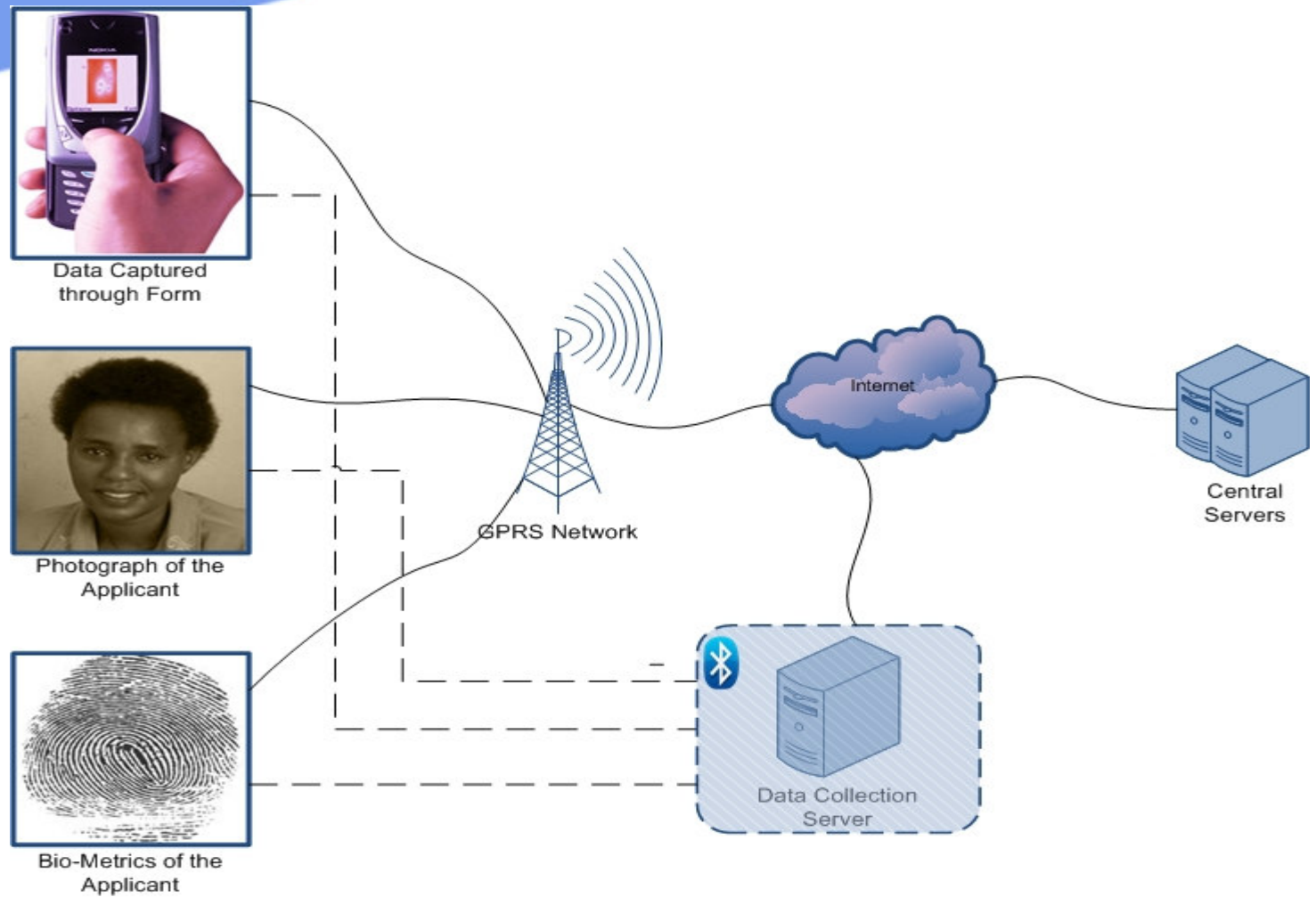
- ✘ **Not Paperless** – Involves print and distribution
- ✘ **Mismatch** and error in information is a common issue
- ✘ Collection & arrangement of artifacts is **tedious**
- ✘ **Cost** involved to courier or deliver information
- ✘ **Data Entry** and scanning is an additional cost
- ✘ Authentication of **signature** is not fool proof
- ✘ Loop holes allow **criminal** & fraudulent activities like hoax calls, kidnapping and terrorism

# Thinkways Solution



- ✓ **Paperless** – Mobile application with following features:
  - ❖ Easy Form filling
  - ❖ Capture of photo and id proof image
  - ❖ Capture of biometric (fingerprint)
  - ❖ Print transaction receipts
  - ❖ Upload information to Central server
  
- ✓ **Mismatch** and error of information is **eliminated**
  
- ✓ **Cost** involved to deliver information & data entry is **removed**
  
- ✓ Highly secure as information is **encrypted** and compressed
  
- ✓ Criminal Activities are reduced as **biometric** is used
  
- ✓ Disaster Management - Mobile enrolled data recovery

# Solution Flow



**\* Fingerprint is optional, ID Proof can be captured instead**

**Thinkways Software Technologies Pvt. Ltd.**

# Basic Infrastructure Requirement



## Thinkways SIM Registration Server

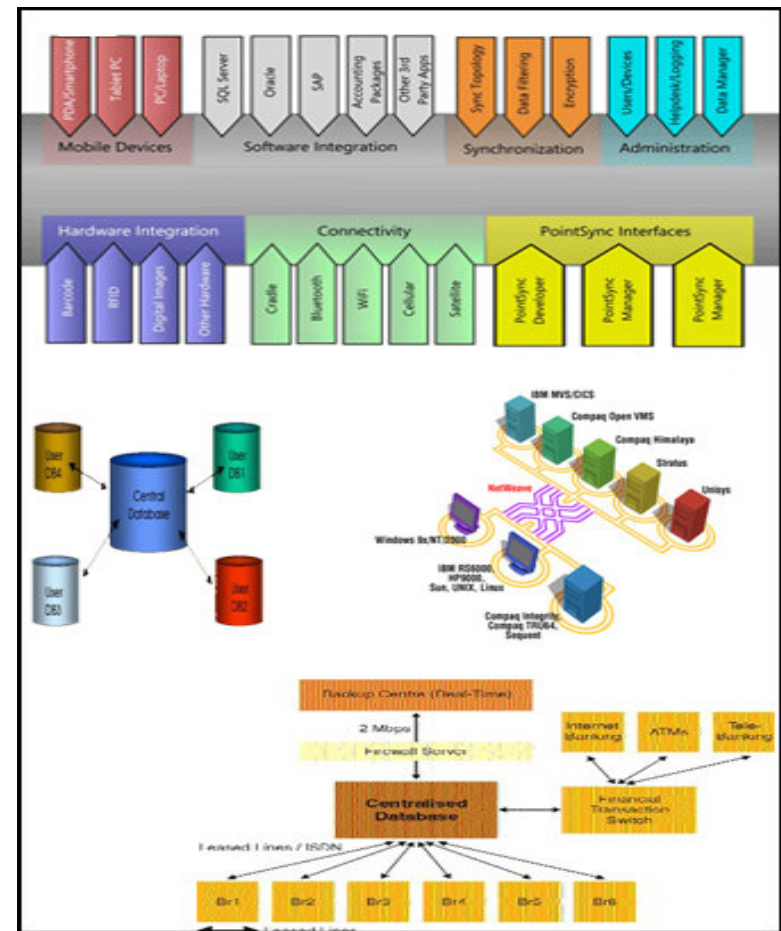
**Mobile Phone with Java & Camera (1.3mpxl+)**



**Optional – Fingerprint (Biometric) reader [For higher security] and/or printer for receipts**

**Tanzania**  
**Customer Registration Form**  
 MobileNumber : 0713 123 103  
 Name : Harriet Pinda Gender : M  
 Nationality : Tanzanian Age : 32  
 Place of Birth : Zanzibar  
 Driver License No. TN3421424  
 Passport N. TA294184  
 Address : No.254, P.O.Box 2929  
 Lugoda Street, Dar es salaam  
 By Signing this form I Declare that all information is true and correct  
 Customer Signature

**Terms & Conditions**  
 1. Prepaid Registration is a TCRA requirement & all Operators are required to register customers  
 2. Customers are obliged to provide accurate information



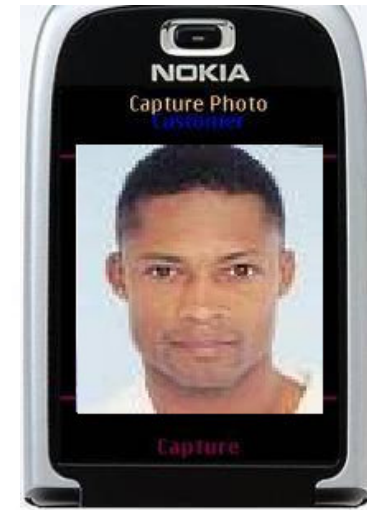


# Mobile Screen Shots

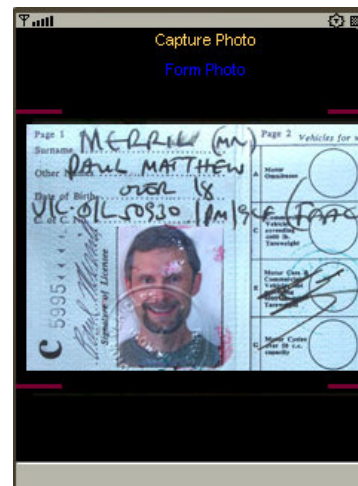
A form to enter SIM number, mobile number, name, age, address, etc



Capture photograph of the customer



Capture the photograph of the ID proof (Drivers license, etc)



Capture Finger print of Customer (optional)



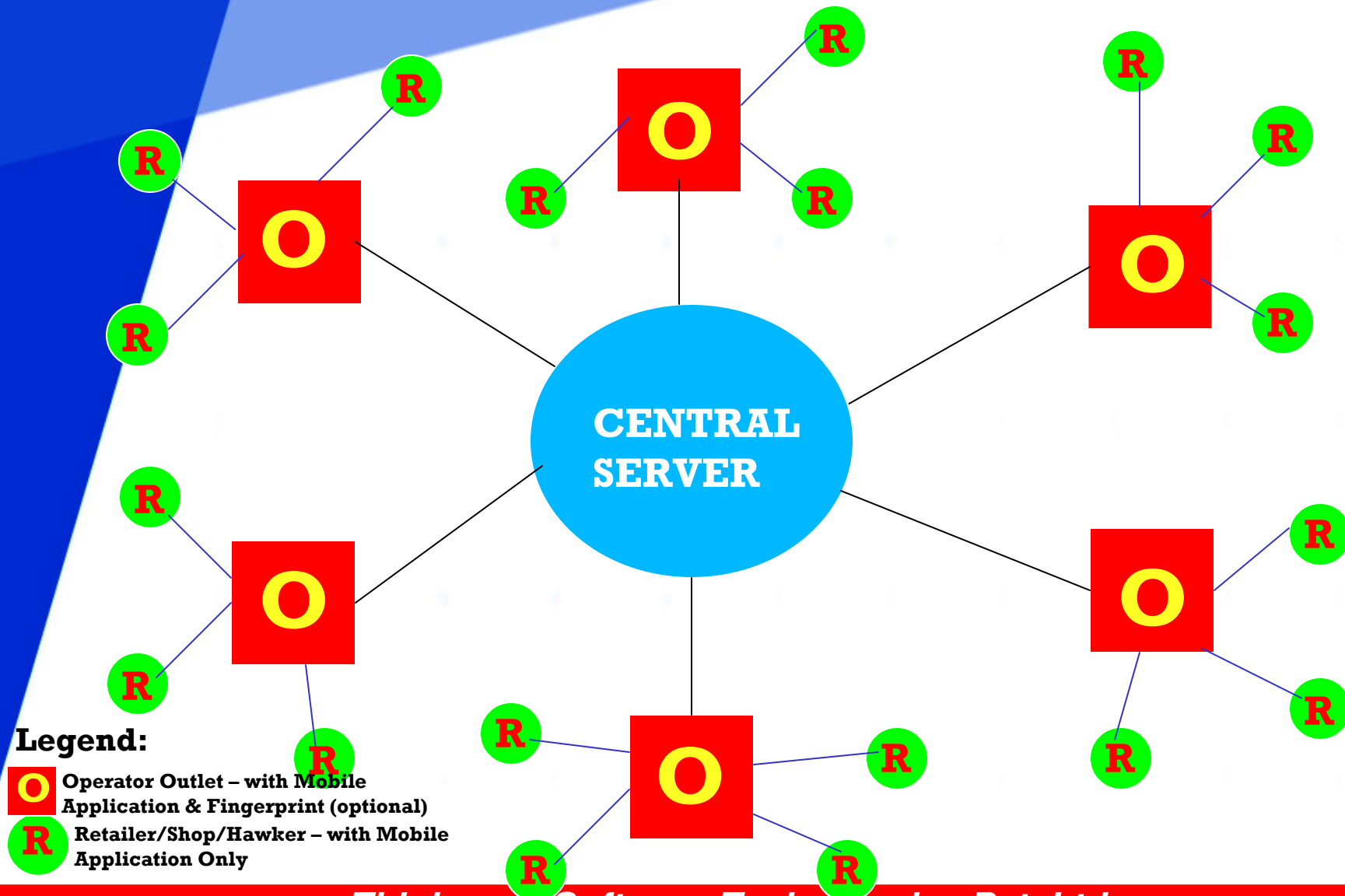
# Web Interface Screen Shots



## Customer Details

SI No.	Sim No	Mobile No	Registration Date	Name	Gender	Dob	Address	Applicant Photo	ID Photo
1	123	948484	2010-04-28	A	Male	0009-12-12	AD		
2	123	94485236	2010-04-26	AJM	Male	2007-12-12	MJG		
3	15628	9448487752	2010-04-26	AWM	Male	2005-12-25	TJ		
4	123456789	6565564523	2010-04-26	RAYAN	Male	1981-05-19	BANGALORE		
5	987654321	9865685321	2010-04-26	ASISH MODI	Female	1979-05-19	JAIPUR		
6	123456789	9739314172	2010-04-26	NACHIKETA	Male	1981-01-01	THINKWAYS		
7	8529685698596	8596859685	2010-04-26	PA	Male	1984-12-12	JAM		
8	12345	9986494872	2010-04-16	Nachiketa	Male	1981-05-12	Bangalore		
9	12345	75869	2010-04-16	Nachiketa	Male	1981-05-12	Bangalore		
10	12345	84256	2010-04-16	Nachiketa	Male	1981-05-12	Bangalore		

# Suggested Operational Model



## **For a Demo or to test the Solution:**

**URL To Download Mobile Application:**

<http://mbank.synceazy.com/SIMRegistration/>

**URL for Web Interface:**

<http://mbank.synceazy.com/MobileSimRegUI/>

username = admin

password = admin

## **For any other queries contact:**

**Thinkways Software Technologies Pvt. Ltd.**

**254/1 5<sup>th</sup> cross Vasanthappa Block,**

**Ganganagar, Bangalore- 560032, India**

**Ph: +91-80-42664800-99**

**Email: [info@thinkways.com](mailto:info@thinkways.com)**