# **Executive Summary**

**Executives insight**

We are the Insight Strategists, A team of 10 namely: Thlolo, Didintle, Donald, Lindelani, Dieketseng, Aswell, Vuyani, Reneilwe, Ntebatse, and Kgaugel. We are a team of professionals, with different specializations, and strong interpersonal, technical, and analytical skills. We are highly motivated, and creative and help businesses to have well-maintained and efficient systems with long healthy business-customer relationships.

# **Client Overview**

Our client is a group of SMEs that are based in a township, they mostly trade among themself or to other small businesses, and also provide most of their services to the middle and lower incomes group, they have had a limited improvement or penetration in the amount of technology used then providing their services

They are looking for an integrated system that can improve their efficiency of doing their main business activities while keeping track of the other business aspects, and also collecting all relevant data from these business activities.

Introduction

We want the next generation of small business enterprises, to be the most efficient by having an integrated way of doing business, improving, communicating, and trading through a single system, that can be used to run or meet all business activities and needs.

# **Insight Strategists:**

|  |  |
| --- | --- |
| Didintle Morebudi | **Project Manager** |
| Donald Motswiri & Kgaugelo Kganyago | **Systems architect** |
| Dieketseng Mphuti & Vuyani sikhakhane & Reneilwe Gwangwa | **Financial Analyst** |
| Thlolo Rampsapedi & Didintle Morebudi | **Business Intelligence Analyst** |
| Aswell Nukeri & Ntebatse Maria Mafokoane & | **Corporate & Marketing Director** |

# **Business Opportunity**

The existing system or ways of trading for SMEs in Tembisa are not adaptable to varying customer needs, accommodating different information and inter-business trading, so there’s a gap that SMEs will tap into when new technologies or systems are introduced, given that their current system is limited in efficiency when collecting data, with a system that can collect quality data most SMEs will be able to make better-informed decisions in real-time and be able to solve most of their business issues with relative ease.

An intergraded system to their business will give them an improved mode of providing services, and an opportunity to improve the provision of their services and also grow their customer bases.

# 

# **Problem statement**

The problem recognized is that the common systems used by SME’s system are inconsistent and inflexible, given that the current systems used are based on traditional methods, word of mouth, untargeted social media marketing, and selling, etc, with limited usage of technology when providing services, has meant that most of their services provided are not efficient, they are also unable to keep track of their business activities, this means that they don’t have a consistent way of collecting data that is of quality, this has led to many of them struggling to with finding ways, and places to improve in their business

# **Summary of Proposed system and benefits**

## Proposed system:

• Track customers

• Generating quotations

• show demo products

•Track and process inventory

•Track and process sales

•Reporting business operations (inventory, sales, supplies, customers)

• Managing employees

## Benefits:

•Updating and managing inventory quicker.

• Recording sales easily

• keeping track of customers that interact with the business.

• keeping track of employee’s activities

• Receiving feedback from customers.

•Compute business finances(reports)

• Marketing opportunities

•Weekly inventory reports

•Detailed informative work.

•Improved customers services

# 

# **Overview of system functionality and features.**

|  |  |
| --- | --- |
| **Function** | **Features** |
| catalogue | * This shows the products with the prices * The catalogue shows the product in their categories * Allow the Administrator to update the available books * Allows the customer to be able to select to view the product that they want * Search products through product code, product name |
| Manage account | * Here users can sign in if they have an existing account * The user can also create an account * Validate user details * Manage can be able to select to view all employers’ activities and manage their shifts(rosters) |
| Buying, Price requests, and Pre-order | * Users can submit a name of a product and the product with prices will be shown * Supply details will be shown when a buyer searches for a certain product linked to that supplier |
| Reports review | * Administrators can generate weekly, monthly and yearly summary * Manage inventory through an inventory report * Calculate or generate pay slips. |

# **Overview of feasibility.**

|  |  |
| --- | --- |
|  | Type of feasibility |
| Technical | * Does our current technology (hardware, software & network) support the proposed solution? * Do we have the technical competence to build the system? * Can we support and maintain the system when it is in use? |
| Economic | * Can we afford the system? * What economic benefits will the system provide? Will it improve? |
| Operational | * Is the organization capable of accepting the change involved in managing information and adopting new processes? * Is the organization capable of accepting the change involved in making decisions? * Can employees make decisions with the information on the system, or will they revert to using their intuition? |
| Legal & Regulatory | * What restrictions have been introduced by company law, auditors, University, and standards of an organization? * What laws must be observed in terms of data protection? |
| Schedule | * How long will it take to get the technical expertise? * We may have the technology, but do we have the skills required to properly apply that technology? * Given our technical expertise, are the project deadlines reasonable? * If there are specific deadlines, are they mandatory or desirable?   --> If the deadlines are not mandatory, the analyst can propose several alternative schedules   * What are the real constraints on project deadlines? * If the project overruns, what are the consequences?   --> Deliver a properly functioning information system two months late  or deliver an error-prone, useless information system on time? |

# **Overview of non-functional requirements and constraints.**

|  |  |
| --- | --- |
| **Non-functional requirements** | **Constraints** |
| Performance | * Whether the system would be able to process high levels of data entered from the Administrator within an appropriate amount of time and allow multiple users to enter data at the same time without error. * The response time to quotes and payments |
| Security | * The system validation of user logins * No student(user) can log into other students’ accounts * The administrator and students have controlled access to only certain information. |
| Platform Independence | * System working on any platform without causing conflict with other applications |
| Synchronization | * System ability to update information entered by the administrator simultaneously with the information from the database * Updating the products sold in cash and those sold online * Updating all-new demo products as they get listed * Constantly updating all employee's activities in the databases and customer interaction with the system |

# **Overview of risks.**

|  |  |
| --- | --- |
| **Risks** |  |
| Operational | * Due to the implementation of the new system, the normal day-to-day operations may be affected * The level of on taking when new changes are introduced means that they might be low levels at the start as the staff is getting adjusted to the new system |
| Schedule | * The system may not be operating fully by the time frames which we currently have |
| Technical & Technology | * There might be a limit to the type of computers that may be used * The technical skills may be insufficient to complete the project |
| Information Security | * There might be some information loss and vulnerability when moving from the current business system to another one. |
| Resource | * The current resources which we do have may prove to not be enough * We might need to have external sources of information and skills |

# **Overview of User Environment (describe the system designed).**

|  |  |
| --- | --- |
| Home | * This is the page that the user is accepted on |
| “will add the rest as I see the prototype” |  |
|  |  |
|  |  |
| About | * This is where the users see the information of the client |
| Catalogue | * This is where all the menu lists will be shown |
| Contact | * The contact details of the client are here |
| Sign in | * This is the task where the user can sign into the system |
| Create an account | * This is the task where the user can create an account in the system |