**Proposal Document**

**PAULINE WANJIRU**

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**COMPUTER TECHNOLOGY**

**A Product Authenticator System (Case Study: Contraceptives Drugs)**

**Abstract**

This project deals with fighting counterfeiting pharmaceutical goods and products and ensuring these fake medicines don’t get into the market. This process has been enhanced by deploying a system, product authenticator, which is able to notify the user of whether the product is safe for consumption or use. In this application platform, the application user is able to scan products and get feedback, if the product is a genuine product. Also, this system generates report of all defective and counterfeit goods found in the market. The project will require a budget approximation of ksh.161, 000.The methodology used during data collection is agile methodology, where the system is broken down into several stages, and there are iterative releases in every stage for continuous improvement.

**Problem statement**

The rate at which counterfeits and defective products are flocking the black market is steadily increasing at a very alarming rate. Defective and Counterfeit goods, being in the market has led to massive economic problem where by money is lost in form of revenues each year. Counterfeit exposes consumers and corporation to heightened health, safety and even cyber security risk

**Objectives**

The main objective is to build a system that, identify defective and counterfeit contraceptives drugs in the pharmaceutical industry.

**Specific Objectives**

1. To develop a system that generates QR codes of different contraceptives drugs.
2. To develop an admin fragment for the admin to add, update, and delete products.
3. To develop an application that scan QR barcodes of different contraceptives.
4. Develop a system module that is able to generate reports