

# The Impact of Quality Tracking Device on Consumables

## BACKGROUND

Each year, tons of ingestible product gets compromised due to so many factors that could go off sight either in manufacturing or distribution or even during storage. Certain situations could go wrong that could cost the manufacturers great loss while some situations are basically due to negligence and selfishness in order to make sales while sabotaging lives.

Considering various publish with few listed below:

- ★ <https://www.premiumtimesng.com/health/health-investigations/338844-investigation-how-nigeria-n-drug-stores-sell-drugs-beyond-expiry-dates.html>
- ★ <https://punchng.com/producers-merchants-put-nigerians-at-risk-flood-market-with-fake-food-drinks/>
- ★ <https://punchng.com/our-experience-with-lagos-supermarket-sealed-over-expired-products-customers/>

It shows how appalling the problem of expired, counterfeit and degradable consumable products are flooding the market indicating a call to action in mitigating this menace to safe-guard businesses against loss and protecting the lives of end-users as a whole.

## STATEMENT OF PROBLEM

Retailers face the challenge of displaying defective products on the shelf, knowingly or unknowingly while some even go as far tampering with the batch information of products to extend its shelf life giving false hopes to customers, while few customers aren't curious enough to investigate before purchasing a product. Well, who really can blame them, in a trying period where the economy keeps plummeting everyday, everyone literally wants to get their way with everything at the expense of good health and wellbeing. This should never be an exception for complacency and lack of empathy.

- ★ <https://www.premiumtimesng.com/news/headlines/449165-four-dead-189-poisoned-after-alleged-consumption-of-expired-drinks.html>
- ★ <https://leadership.ng/amid-hardship-nigerians-struggle-with-fake-foods-products/>
- ★ <https://www.nafdac.gov.ng/nafdac-bursts-large-hauls-of-fake-wines-soft-drinks-and-consumables/>

## PURPOSE

The aim of this project is to contribute our cent by proffering a technique to mitigating these patterns by introducing a cutting edge technology that help retailers track seamlessly the shelf life and quality of their product for a reliable inventory on the safety of their products at their fingertips and also prevent curious and health cautious end users falling into the trap of these disturbing patterns that could hamper their wellness. Not all goods' defects can easily be detected, especially those contained in tightly sealed packages, hence the need for a collective effort to make our supply chain for consumables either drugs or food, less porous to danger. As the saying goes, "Health is Wealth".

## SCOPE

This project will address how the sale and purchase of expired, adulterated, substandard or counterfeit goods can be mitigated by just a click of our new innovative product that detects these nuances through its in-built sensors.