



Smart Packaging

Duration: 2022-2025

Host Institution: DOST - Industrial Technology Development Institute (ITDI)

Project Description

Smart packaging is an emerging technology worldwide. Its application ranges from shelf life improvement, preservation of quality and freshness, and a tool used in monitoring the quality and safety of food. For the past 5 years, ITDI- Packaging Technology Division (PTD) has conducted research on the application of active packaging with significant success in terms of technology adoption by the Micro, Small & Medium Enterprises (MSMEs). Two years ago, ITDI-PTD started researching the development of colorimetric gas sensors for TVBN to monitor the freshness and spoilage of fresh fish. By 2023, research on gas sensors to measure the ripeness of fruits will be conducted, and the application of RFID in evaluating the performance of fresh produce during handling and distribution. Smart packaging is within the realm of Industry 4.0.

Expert Needed

- Expert on intelligent packaging, specifically on the development of sensors

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