

Leading Manufacturing Product Supplier Streamlined Product Quality Inspection Process Through **Power Apps** Integration.



Client Business Description

distributing manufacturing supplies and services to businesses, along with a diverse product assortment range since 1905. Known for their competitive prices and expertise in delivering quality solutions, they drive the success of their customers' businesses.

Challenges

Quality checking is an integral part of our client's supply chain process, involving a meticulous inspection of each product based on its unique nature and type. They were facing the following challenges in their product inspection process which they want us to address by implementing some solution that can streamline their quality check process.



Manual Item Details Retrieval

The need for manual identification of item details.



Separate Inspection Result Documentation

Inspection results for each item are captured in separate Excel sheets.



Process Tracking and Delay Identification

The need for manual identification of item details.



Manual Certificate Generation

The manual generation of inspection certificates for items.



Lack of Centralized Certificate Storage

The need for manual identification of item details.



Time-Consuming Process

The process is time-consuming due to manual steps and the use of discrete applications.

Solution

To address the client issues, we proposed a holistic approach by leveraging PowerApps. Since our client is already within the Microsoft ecosystem, we formulated a Power App solution to enhance compatibility across the ecosystem. Power App offers a versatile and customizable solution for optimizing and streamlining product quality-checking processes, leading to increased accuracy, efficiency, and adherence to quality standards. The following objectives have been achieved after implementing the solution.

- Establishes a centralized system for batch creation and tracking.
- Enable digitally retrieve product details through barcode scanning.
- Capturing inspection results for each product within the application.
- Generating certificates for inspected items.
- Storing certificates online, providing accessibility from anywhere.
- Enhancing efficiency by reducing the overall process time.

Process Workflow Of The Application



Technology Used



Power app



MS SQL Server



Power Automate



Print Node

Benefits

Implementing a Production Inspection Power App contributed significantly to the quality check process's efficiency, quality, and competitiveness of any manufacturing industry by leveraging power apps, and power automate technology to streamline and automate processes and enhance decision-making capabilities.



Enhanced Product Quality Inspection Process

Ensures consistent quality standards through standardized inspection procedures.



Improves Visibility

Provides a centralized platform for tracking and managing inspection processes.



Customized Workflow

Customized workflows, ensuring that each step of the quality checking process is systematically followed.



Mobile Accessibility

Allows inspectors and production personnel to access the app from mobile devices.



Standardization of Processes

Ensures that inspection processes are standardized and consistently applied across all production lines.



Barcode Scanning

Barcode scanning functionality allows for swift and accurate identification of products during the quality checking process.

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