

Industrial Maintenance App

The Client is an Automotive Machine Tools manufacturer dealing with all kinds of workshop machinery for the automobile industry since 2006. They wanted to improve their services by implementing digitally smart solutions that would empower their maintenance engineers to work more efficiently and productively to meet their monthly targets.



Business Requirements

The project was mainly intended to develop a smartphone app that can work as an advanced industrial assistant system that can be installed on their maintenance technician's smartphone with the following mandatory requirements.

- ★ Understand and manage machines with different functionality
- ★ Enable smart maintenance
- ★ Reduce production downtime
- ★ Improve performance efficiency
- ★ Enable easy one-time deliveries
- ★ Increase plant productivity.



Our Solutions

Recognizing the requirement of the client to improve productivity, CG-VAK suggested the development of a smart app that can be installed on the android smartphone of their technician. It was planned to have a shop floor data collection system to monitor machine functioning and assist in preventive and breakdown maintenance in real-time. It included the following features:

- ★ Real-time breakdown alerts
- ★ Maintenance guidance via interactive smart screens
- ★ Machine-wise customized maintenance checklist
- ★ Pre-scheduled preventive maintenance alerts



Benefits

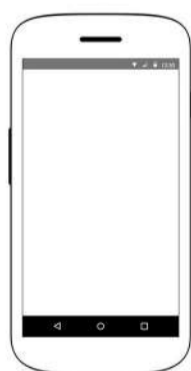
CG-VAK successfully developed a smart app for machinery maintenance that helps maintenance technicians keep track of maintenance issues on-the-go. The android app improved the plant productivity in the following ways:

- ★ Reduced production downtime
- ★ User-friendly android application
- ★ Thorough documentation of all repairs
- ★ Real-time tracking of machine issues



Tools & Technologies

Android SDK, Android Studio
Windows OS, API using Microsoft .Net WCF



About Us

CG-VAK Software & Exports Ltd is a Publicly Traded Company [Bombay Stock Exchange (BSE):CGVAK] since 1996 and is headquartered at Coimbatore, India and has 2 other locations in India and a wholly owned subsidiary in CA, and NJ ,USA and employs 220 professional globally. Based on the three tenets 'Ideate. Innovate. Create' we help transform your businesses and organizations delivering Digital Innovation, Product Innovation, and Modernisation at business speed

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