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# Electronic Dock Board Solution for General Motors' Fort Wayne

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# Electronic Dock Board Solution for General Motors' Fort Wayne

Final Project Report

4/24/2017

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Submitted to:

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## Abstract

General Motors Fort Wayne came to IPFW with a project that would involve revamping their trucking logistics data tracking system. They explained that their current system was proving to be unreliable due to the inability to maintain up-to-date changes in the deliveries schedule. We were chosen to work on this project for our senior design class. Our goal was to deliver to General Motors a tracking system that would allow for easier organization of trucking carrier data, faster methods of changing data in the deliveries schedule, and a better system for tracking historical data.

Using Microsoft Access and Microsoft Excel, we were able to construct a database application to store trucking carrier data and display this information in a similar format as the paper based system GM was using before. Utilizing a mix of tables, forms, queries, Visual Basic code, and user interface functionalities, our application is able to display schedule updates at the docks in a minute or less.

This project was an exceptional approach to working on a first “real-world” type problem and solving it with fundamental concepts we have been taught throughout our time at IPFW. We hope to see General Motors adapt our project concept and implement it to other docks in the Fort Wayne plant, as well as other plants located throughout the United States.

### Keywords

Microsoft Access

Microsoft Excel

Tables

Forms

Queiries

Visual Basic

User Interface

Dockside Display

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