# INTERNSHIP PRESENTATION 2022/2023

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# Introduction

### Blue Ocean Data Solutions Sdn. Bhd.

Is a software development company that specialize in providing manufacturing solutions.

### JHB-Technical (MES)

Junior Software Engineering Intern
- Helps with software development tasks and learns from experienced engineers. The goal is to gain practical experience and develop skills.

### Manufacturing Execution System (MES)

MES is an information system that connects, monitors and controls complex manufacturing systems and data flows on the factory floor.

### SMART MES

SMART MES is the system student is involved in.

# Introduction

## SMART MES

SMART MES involves several key modules;

Sales Order - AR

BOM & INV

Calendar

Dashboard

Planning

Scheduling

Job Tracking

# Learning Outcome

## Getting familiar with SMART MES system

Student has been creating previous clients' transaction during the 1st month of internship.

## Git protocol

JHB-Technical (MES) has been using Git protocol for version control and issue handling.

## Web development

Student has been given a main task in converting code from Visual Basic to web starting on the 2nd to 4th month of the internship.

## VB.NET programming

Student has been given the task in creating data structures of SMART MES.

# Project Execution

Main project given:

To convert Operator View in SMART MES system from windows based to web.
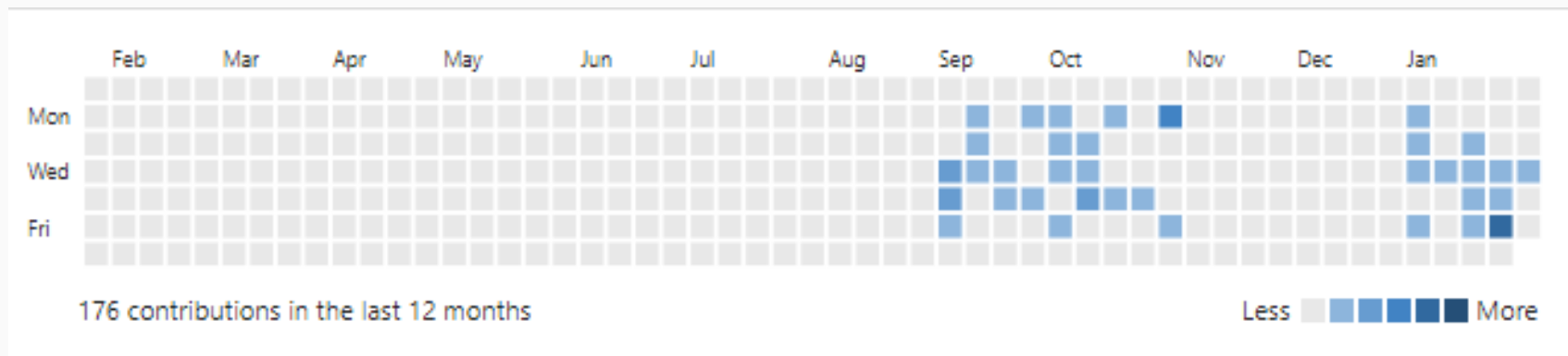
1. Event Maintenance

2. Single Instance and Multiple Event

3. Revision Handling

4. Job Handling

5. Material Handling

# Project Output



Operator View Live Demonstration

# Issue Handling



176 contributions in the last 12 months

Less contribution at the end of OCT –DEC due to main project assigned.

Figure above shows student contribution.

# Conclusion and Reflection

## Programming Skills

VB.NET, ASP.NET, C#, JAVASCRIPT, SQL.

## Good Experience for Internship

Blue Ocean Data Solution Sdn. Bhd. have a suitable learning atmosphere, friendly colleague and a appropriate task to be assigned.

## Technical Skills

Student learn how to restore database in MSQL studio, published web system to clients' server and make use of git protocol.

## Communication Skills

Student able to express oneself clearly and understand others adapting to different situations and people in the working environment.

THANK YOU

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In the Name of God for Mankind

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