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Under the Guidance of

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PROJECT BY: -

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INDUSTRIAL - 360

INTRODUCTION

Industrial 360 is a process management and production tracker system specially built for scaling the production in the organization followed by the process involved in management contained. This industrial 360 consists of various types of processes involved and it varies according to the user's requirements.

This product is now built in the requirement of an production based company **Sri Ram Industries - Coimbatore -20** to configure their usage and maintenance for handling Process management in production based system .This system is built in a way such that analysing and managing all the methodologies and the process states involved in the production of products and also helps to state the track of maintaining the work flow undergone for each products being ordered by customers and let them to know about their product status .

It is the usage of Industrial-360 system which provides all the production management details in a well-defined manner and helps in gathering the required data to the end users for keep in track and represent the data of their customers, orders and production data in a structured format and it's in the name of **INDUSTRIAL- 360.**

ABOUT ORGANIZATION:

Sriram Industries is an ISO 9001:2015 certified manufacturer of high quality custom springs. We have a team of highly trained and committed people with a combined spring manufacturing experience of over 30 years. Coupled with well equipped manufacturing, heat treatment, multi-stage inspection and state-of-art testing facilities, we are ideally positioned to provide the best engineering and commercial solution for even the most challenging and customised spring requirements.

We specialize in the design and manufacture of compression, extension, and torsion springs, and wireforms in various materials including stainless steel, spring steel and phosphor bronze. Batch sizes can range from one to several lakhs with the same exacting quality and inspection standards applied to all.

Problem Definition:

The need of this application in Sri Ram Industries is a basic and necessity need of converting all manual data maintenance works into systematic conversion. In need of maintaining all the production process details based on customer requirement, keeping in track of the process of product manufacturing.

Project Objective :

The main objective of this project to maintain the list of data of all the process involved and get all the data about the products manufacturing structure, develop and maintain all the information about the products manufactured for specific customers on their requirement.

- Easy to use and more effective than Existing system
- Display the required data in required way.

Project Overview (Module Description)

This project is based on the following modules :

- **Employee** – This module plays an major role and it make sure that authenticated , featured credential owned employees only can access this application at any cost. So, it prevents data loss and insecurity.
- **CUSTOMER** – This module is designed for storing all the Customer's information and company details which links for further modules to get continued.
- **DIAGRAMS** – This module is an important benchmark which plays an major role in structuring the work process and gives detailed information of the product that needs to the customer. This is also known as BLUE PRINT of the product specifications being dependent from Customers.
- **ROUTE CARD** – The route card module is the key of production made in the company , specifying all the process involved in the production, steps to get carried out in the production at the end users state. This module is an dependent of Customers and Diagram
- **FINAL INSPECTION** - It is an report maintaining module in which the product's full final inspected , verified report of test cases are being entered and issued to the customer for their products being delivered.

SYSTEM SPECIFICATION & REQUIREMENTS

HARDWARE PERSPECTIVIES:

RAM	4 – 8 GB RAM in DDR3, DDR4 TYPE
HARDDRIVE	40 GB of DISK SPACE of 5400 – 7200 RPM.
PROCESSOR (THE PROCESSOR NAME CHANGES ACCORDING TO THE BRAND)	INTEL CORE-i3, CORE- i5, CORE -i7 (OR) AMD RYZEN-3 3350, RYZEN-5 3600, RYZEN- 7 3800
KEYBOARD	INCLUDED 105 KEYS
MOUSE	COMPATIBLE POINTING DEVICE

SOFTWARE REQUIRED:

OPERATING SYSTEM	WINDOWS (OR) MAC (OR) LINUX
WEB-SERVERS SERVER OPERATING TOOLS	APACHE – WEB – SERVER VERSION - 2.4.46, MYSQL -VERSION 8.0. 21. XAMPP, WAMP
DEPLOYMENT	VISUAL STUDIO
FRONT - END	HTML-5 , CSS-3 , BOOTSTARP, JAVASCRIPT
BACK - END	CORE- PHP, MYSQL

SYSTEM STUDY

This system is built in a way for maintaining all the data digitalized and process of maintaining the data gets easier to use .It serves as user friendly to the end user and also to the access person at the usage of application.

Existing System with Limitations

The Existing mode and method of processing was only manually handwritten works and some modules works were maintained only in EXCEL SPREADSHEETS. So their usage was very difficult for processing the required information at a quick time limit.

Proposed System with Advantages

The proposed INDUSTRIAL 360 is an user friendly and highly technicaly digitalized in a way of securing and maintaining the data at higher security.