SYNOPSIS

# Title of the project:

## Stock Management System

1. **Objective of the project:**

The main aim of an stock management system is to keep the stock in such a way that it is neither overstock nor understock.

The overstock condition will reduce the other production processes and understock will lead to stoppage of work.

The objectives of stock management are operational and financial. In operational, materials and stock should be available in sufficient amount whereas, in functional, the minimum working capital should be locked in.

1. **Project category:**

The Project category is Window based developed in JAVA with MY-SQL Server. Language used is JAVA.

1. **Language and software tool used:**
   * Front End : JAVA
   * Operating System : Window 10
   * Back End : MY- SQL Server
2. **Structure of the project:**

### Proposed System:

To overcome the drawbacks and limitations of the existing system, this Stock Management System software is proposed. It is a more efficient web application developed using Java and HTML. This application is more effective for stock data management; the data is more secured and can be accessed easily.

### Modules Overview:

There are various modules and features that make up this project. The system module begins with the login page; here, the admin logs into the system by entering the valid username and password. The admin can control the following features:

1. Enter stock
2. View stock
3. Dispatch stock
4. Shift stock

The information that can be added into the system are category, customer details, purchase, sales print, stock details, stock entries, stock entries payments, stock sales payments, stock sales, supplier details, UOM, and more. The system also allows the admin to check customer details, sales details, stock details, supplier details, and more.

Stock Management System also includes functions to print payment receipt, and view purchase reports, sales reports, sales stock report. The admin can delete stock entry and stock sales, edit purchase and stock sales.

Through the system, customer details, payments, stock availability, stock details, stock entries payments, stock sales payments, and supplier details can be viewed. Updating can be done on customer details, stock details, stock entries, stock sales and supplier details.

# Future scope of the project:

## The scope of an stock management system can cover many needs, including valuing the inventory, measuring the change in inventory and planning for future inventory levels. The value of the inventory at the end of each period provides a basis for financial reporting on the balance sheet. Measuring the change in inventory allows the company to determine the cost of inventory sold during the period. This allows the company to plan for future inventory needs.

1. **Hardware requirement:**

**Minimum:**

* Computer with a 1.6 GHz or faster processor
* 384 MB of RAM or more (768 MB of RAM or more for Windows Vista)
* 2.2 GB of available hard-disk space
* 5400 RPM hard drive
* **1366 × 768** or higher-resolution display
* DVD-ROM Drive

**Recommended:**

2.4 GHz or higher CPU, 1024 MB or more RAM, 1280x1024 display, 7200 RPM or higher hard disk.

1. **Software requirement:**

* Windows XP or higher
* MY- SQL Server
* JDK 8 OR higher

1. **Team Members:**

* Sourabh Aggarwal(1219313)
* Sudhir(1219315)