# INVENTORY MANAGEMENT SYSTEM

#### PROJECT REPORT

Submitted in partial fulfilment of the Requirements for the award of the Degree of

**BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)**

#### By

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**Under the esteemed guidance of Prof. Megha Patil Designation: Lecturer**

### B.SC. IT (SEM V) EXAMINATION



#### DEPARTMENT OF INFORMATION TECHNOLOGY

***(Affiliated to university of Mumbai)* DOMBIVLI, 421203 MAHARASHTRA**

#### YEAR - 2018-2019

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**K V PENDHARKAR COLLEGE**

***(Affiliated to University of Mumbai)***

#### DOMBIVLI, 421203 MAHARASHTRA

**2018-2019**

**DEPARTMENT OF INFORMATION TECHNOLOGY**



**CERTIFICATE**

This is to certify that the project entitled , “ INVENTORY MANAGEMENT SYSTEM “ , is a bonfire work of ARGHA ARUP KARMAKAR ‘ bearing Seat No: 3040463 submitted in partial fulfilment of the requirement for the award of degree of BACHELOR OF SCIENCE , in INFORMATION TECHNOLOGY from University of Mumbai.

**Internal Guide Coordinator**

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**External Examiner**

#### Date: College seal

**PROFORMA FOR THE APPROVAL PROJECT PROPOSAL**

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1. Name of the Student: ARGHA ARUP KARMAKAR
2. Title of the Project: Inventory Management System.
3. Name of the Guide: Prof. Megha Patil
4. Teaching experience of the guide:
5. Is this your first submission? Yes

Signature of the student Signature of the Guide

Date.---------------- Signature of the Coordinator

# ABSTRACT

To develop software that will help in the maintenance and management of any inventory

system. This is an integrated system that covers different kinds of features like customer order, payment, billing, supplier details etc. Administrator is the user who logs in and manages the entire inventory. Report generation is done at every stage of sale as well as purchase.

The software developed takes care of both the sales and the storage details of goods. Customer orders are processed and goods are delivered to the customer. And when there is stock out, admin updates the inventory by ordering goods from different suppliers depending on the requirements.

The manual system involves paper work in the form of maintaining varies files and manuals.

Mentation the critically information in the file, and manual is the full of the risk and a tedious process. Including in the frame work showing how to apply in the .NET progresses and skill as confidences grow. The application is designed in such a way that any further enhancements can be done with ease. New modules can be added to the existing system with less effort.

# ACKNOWLEDGMENT

This Project, being a maiden experience for us, has been a big confidence booster. Contributions of the following individuals / persons are noteworthy. I extend my sincere thanks to my teachers and friends who helped me in getting the details of the processes of the Inventory Management System. I would like to thank my classmates for their help in ASP.NET.

In this endeavor I acknowledge the valuable contribution and expert guidance of our internal project guide Prof. MEGHA PATIL of Department of Information Technology. Her frank suggestions for improvements & innovative ideas have inspired us.

I am greatly thankful to our Prof. MEGHA PATIL. For her continued and unending support. I thank Prof. RUPALI PATIL Head of Information Technology Department for granting me permission to work on this project.

We wish to express our gratitude to the staff of I.T. department for their cooperative & considerate approach. Last but not least, our sincere thanks to College who gives us a great opportunity to grape the knowledge.

# DECLARATION

I hereby declared that the entitled “Inventory management system “done at Mumbai University. Has not been in any case duplicated to any submitted of to any other university for the award of the any degree. To the best of my knowledge other than me no one has submitted to any other university.

The project is done partial fulfilment of the requirement for the award to degree of **BACHELOR OF SCIENCE (INFORMATION OF TECHNOLOGY)** to be submitted as final semester project as part of the our curriculum.

ARGHA KARMAKAR

**MAIN REPORT**

**OF**

**INVENTORY MANAGFEMEDNT SYSTEM**

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1. **INTRODUCTION**

## BACKGROUND:

.Net is both a business strategy from Microsoft and its collection of programming support for what are known as web rather than your own computer for various services. Microsoft’s goal is to provide individual and bossiness users with a seamlessly interoperable and web- enable interface for application and computing devices and to make computing activities increasing web browser oriented. The .Net platform includes server, building block services, such as web-based data storage, and device software. It also includes passport, Microsoft’s fill-on-the form only. Once identity verification services.

The .NET platform was designed to provide:

1. The ability to more the entire range of computing devices work together and to have user information automatically updates and synchronized on all them.
2. Increased interactive capability for web sites, enable by greater use of XML rather than HTML.
3. A premium online subscription services, that will feature customized access and delivery of products and services to the user from a central starting point for the management of various application, such as e-mail, for example of software such as office .NET.
4. Centralized data storage, which will increase efficacy and ease of access to information, as well as synchronization of information among user and devices.
5. According to Bill Gates, Microsoft expert that .NET will have as significant an effect on the computing world as the introduction of windows.
6. The full release of .NET is expected to take serves years to complete with intermittent release of products such as a personal security service and new

version of windows and office that implement the. NET strategy coming on the market separately visual studio .NET is a development environment that is now available windows up support certain .NET capability.

## OBJECTIVE:

* 1. Hassle free management of goods.
  2. Website is easily accessible to the dealer for confirming of order arrival.
  3. Reduction in investment in inventory.
  4. Proper and efficient use of raw materials
  5. Privacy to the dealers.
  6. No bottleneck in production.
  7. Improvement in production and sales.
  8. Bulk purchase of raw materials.
  9. Maintenance of adequate inventories reduces the setup cost associated with each production run.
  10. Economy in purchasing and reasonable price.
  11. Provides security to the data by using login & password method.

## SCOPE:

The scope of an inventory system defines which needs it addresses, 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. Together, inventory values and level changes allow the company to plan for future inventory needs.

## PURPOSE:

All inventories, regardless of their type or volume can be considered as a blocked working capital of an enterprise in the form of raw materials or finished products. So, ideally it should be zero, i.e. the volume of stock demanded by the customers should be directly sourced from the manufacturers without any time lag. However, in the real world scenario this is not possible as there is always a time lag between the manufacturers manufacturing goods and the customers ordering for them. As such, proper arrangements need to be made for the proper maintenance of the inventory in an organization so that no material gets wasted, and the available space is properly utilized. Also, the optimum volume of stock need to be maintained at all times in the inventory, as both over & under stocking can have adverse effects on the business, and result in massive losses.

1. Production Planning: These days many manufacturers directly sell off their goods to the end- customers. For such companies, it is important that the sales forecast
2. made after careful analysis is passed over to the product planning department so that they can adjust the manufacturing process accordingly.
3. Material Requirements Planning: For manufacturing, an adequate quantity of raw materials is a must. With accurate sales forecast, manufacturing companies will be in a better position to analyze their raw material requirements, and hence, plan it better.
4. Inventory Reduction: As the volume of stock manufactured is quickly sourced out as sales, so the net volume of stock in the warehouse is less. The reduction in inventory means the company will have to spend lesser on its maintenance, and lesser storage space will be required.
5. Efficient tracking of goods in the inventory: This is undoubtedly the main objective of an inventory management system. It should be able to track all the goods entering the warehouse, and all the goods being shipped out upon sales. Moreover, it should also be able to track the movement of goods in the warehouse.
6. Minimize the human workforce required for warehouse management: As most of the tedious bookkeeping and good tracking work of a warehouse is done automatically by the inventory management system, the organization can efficiently manage the inventory with far lesser

employees. This translates into huge savings for the organization, especially for small and medium.

## APPLICABILITY

Manufacturers primarily use inventory management software to create work orders and bills of materials. This facilitates the manufacturing process by helping manufacturers efficiently assemble the tools and parts they need to perform specific tasks. For more complex manufacturing jobs, manufacturers can create multilevel work orders and bills of materials, which have a timeline of processes that need to happen in the proper order to build a final product. Other work orders that can be created using inventory management software include reverse work orders and auto work orders. Manufacturers also use inventory management software for tracking assets, receiving new inventory and additional tasks businesses in other industries use it.

## ACHIEVEMENT:

This Project, being a maiden experience for us, has been a big confidence booster. Contributions of the following individuals / persons are noteworthy. I extend my sincere thanks to my teachers and friends who helped me in getting the details of the processes of the Inventory Management. I would like to thank my classmates for their help in ASP.NET.

## ORANIZATION OF REPORT:

The purpose of this unit is to introduce you to some general aspect of reports writing in both the general function and structure of reports increases it is better to adapt report writing reports communicate information which has been complied as a result of research and analysis of data and old issues the type of information to be communicated in a report and who the information is for will a reports scope and style the purpose of report vary widely the purpose are to information to provide a basis for discussion and debate to sell

or persuade . According to user requirements the aim is to develop a desktop based Application system of improved facilities. The proposed system can over came all the limitation of the existing **.**