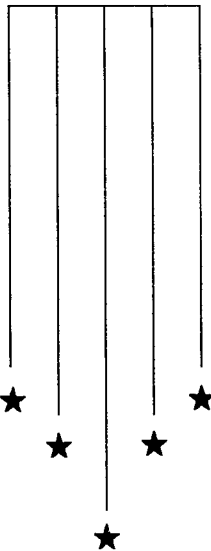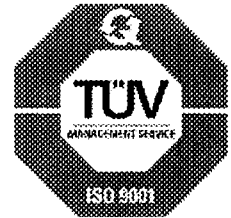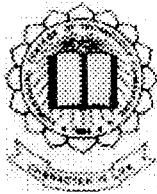P- 1061

INVENTORY CONTROL &

PRODUCTION MANAGEMENT SYSTEM

PROJECT WORK

Submitted by

Arun.P
Sivakumar.S

Under the guidance of

Mrs.R.K.Kavitha M.C.A
Computer Technology Department

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF SCIENCE
(Applied Science -Computer Technology)

Of the BHARATHIAR UNIVERSITY, Coimbatore.

DEPARTMENT OF COMPUTER TECHNOLOGY
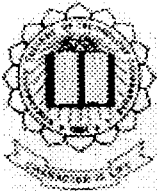
KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE-641 006.

KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE: 641 006

Department of Computer Technology

Certificate

This is to certify that this project entitled

Inventory Control and Production Management System

has been submitted by Mr. ___P. ARUN , S. SIVA KUMAR___

In partial fulfillment of the requirements for the award of degree of Bachelor of Science Applied Science Computer Technology of Bharathiar University, Coimbatore:641 046 during the academic year 2002-2003.

R.K. Iyer
24/3/03

_____
(Guide)

Joh

_____
(Head of Department)

Certified that the Candidate was Examined by us in the Project Work Viva-Voce Examination held on ___25/03/0___

University Register Number ___0028Q011X, CCX20161___

_____
(Internal Examiner)

_____
(External Examiner)

Date: 20/03/2003

TO WHOMSOEVER IT MAY CONCERN

We hereby certify that

Mr. Arun.P

Mr.Sivakumar.S

Student of Final Year B.Sc (Applied Science-Computer Technology) from **Kumaraguru College Of Technology, Coimbatore** has successfully completed their Project Work in **INVENTORY CONTROL & PRODUCTION MANAGEMENT SYSTEM** in our concern from 26\11\2002 to 28\02\2003.

During the course of their training period we found them to be inquistive, enthusiastic and diligent in their work.

We wish them all success in their future endeavors.

For GOKUL CAPACITORS

Partner
G. Shanmugam
(Manager)

ACKNOWLEDGEMENT

Acknowledgement

An endeavor over a long period can be successful only with the advice and support and many well wishes. We take this opportunity to express our gratitude and appreciation to all of them.

We the students of Kumaraguru College of Technology, are really proud in doing a project at Gokul Capacitors, Coimbatore.

We are bound to express our gratitude to **Dr. K.K Padmanaban, B.Sc(Engg), M.Tech, Ph.D.,** Principal, Kumaraguru College of Technology, for his constant encouragement throughout our course.

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We wish to thank all our friends and our family members who were showing this contributions in many subtle ways and indeed instrumental in achieving final results.

SYNOPSIS

Synopsis

Our Project is "**Inventory Control & Production Management System**". We have developed this project for **Gokul Capacitors**, Coimbatore. The main aim of our project is to computerize all the processes performed in the organization.

The Inventory Control System keeps track of In-house Details, Stock Details. The Production Management keeps track of finished products.

The In-House Details involves many processes such as purchase details and goods inward details. The purchase management involves the purchase of raw materials and supplier details. The goods inward details involve the intake of raw material for production.

The Stock Management involves maintenance of the raw materials and re-order level. The finished product involves details regarding the buyer and sales.

The computerization of **Inventory Control and Production Management System** helps in the reduction of manual work and conserves time in a effective manner. Thus the proposed system has the advantage of user-friendliness, which is not part of the existing manual system.

CONTENTS

INTRODUCTION

1. INTRODUCTION

1.1 ORGANIZATION PROFILE

GOKUL CAPACITORS is registered under the Partnership Act 1932. It is situated at Ganapathy, Coimbatore.It was established in the year 1994.

It is one of the prestigious Industrial concern. The country had set itself the task of achieving prosperity through accelerated industrial group.

In keeping this National objective in mind Sri. G. Shanmugam and Sri. G. Natrajan, well known Entrepreneurs and Industrialists established GOKUL CAPACITORS on 28th August 1994.

With the active support of the employees, customers and management, the company has been able to establish itself as market leader in all the products manufactures by it.

GOKUL CAPACITORS was established as a small scale industry. As a process of commencement, the company was registered under the following heads:

1. District Industrial center of Coimbatore.
2. Sales Tax Registration under Central Sales tax (Madras) Rules 1957
3. Tamil Nadu General Central Sales Tax – 1959.

Gokul Capacitors embarked upon expansion schemes to increase the capacity with financial assistance by way of machinery loan from the Tamil Nadu Industrial Investment Corporation Limited. It also received a subsidy of 20% from machinery loan. The company also received a subsidy of 20% from machinery loan. The company also received another subsidy of IFST Scheme, which means –Interest free sales tax. The company have just recently implemented expansion cum modernization scheme.

The up-to date modernization of production plants is enabling the company to penetrate into new horizons in the national market.

Future prospects:

The company is going to achieve ISI mark for 3 to 36 mfd motor

Capacitors, a very first time in India. ie., this serve a big advantage to the company to increase the good will and reputation as well as its market.

In the forth coming years the company is going to enjoy full computerized working systems in its office and in its managerial activities.

1. 2. PROJECT OVERVIEW

The project entitled "INVENTORY CONTROL & PRODUCTION MANAGEMENT SYSTEM" deals with the daily production activities of "GOKUL CAPACITORS".

1.2.1 SCOPE:

The developed system is used to manage the entire production workflow and raw material management of the company where much manual work is needed. Due to the computerization process, the user can work more efficiently. The various reports required during the production and raw material purchase can be easily generated as a hardcopy.

1.2.2 OVERVIEW:

The Inventory Control System keeps track of In-house Details, Stock Details. The Production Management keeps track of finished products.

The In-House Details involves many processes such as purchase details and goods inward details. The purchase management involves the purc2hase of raw materials and supplier details. Even it includes about the Quality assurance of the raw materials purchased. The goods inward detail includes the intake of raw material for production.

The Stock Management involves maintenance of raw materials and re-order level. The finished products involve details regarding the buyer and sales of the items produced.

3

1. 2. 3 OBJECTIVES:

The project is designed mainly to achieve the following goals precisely:

- Making the job user friendly
- More accuracy
- Making all data readily available
- Portability
- Reducing manual work
- Less time consuming

1.3 PROGRAMMING ENVIRONMENT

1.3.1 Hardware Configuration

Processor   :   Intel Pentium IV

Clock speed   :   450 Mhz

Primary Memory   :   64 MB RAM

Hard Disk Drive   :   40 GB

Floppy Disk Drive   :   1.44 MB, 3.5"Samsung

CD Drive   :   48x Acer

Monitor   :   Samsung 14" SVGA color

Keyboard   :   Maple Multimedia Keyboard

Mouse   :   Logitech

1.3.2 SOFTWARE CONFIGURATION

Operating system : Windows 98

Front End : Visual Basic 6.0

Back End : MS-ACCESS

Reports : Data Report

1.3.3 VISUAL BASIC 6.0:

Visual Basic 6.0 all the documentation for the product as well as a lot of other essential programming information. The Visual Basic 6.0 has related to all access as new in control, data access, Internet feature, Component creation, Language features and Wizards.

Welcome to Microsoft Visual Basic, the fastest and easiest way to create applications for Microsoft Windows. Whether you are an experienced professional or brand new to Windows programming, Visual Basic provides you with a complete set of tools to simplify rapid application development.

The "Visual" part refers to the method used to create the Graphical User Interface (GUI). Rather than writing numerous lines of code to describe the appearance and location of interface elements, you simply add pre-built objects into place on screen. If you've ever used a drawing program such as paint, you already have most of the skills necessary to create an effective user interface.

The "Basic" part refers to the BASIC (Beginners All-purpose symbolic Instruction code) language, a language used by more programmers then any other language in the history of computing. Visual Basic has evolved from the original BASIC language and now contains several hundred statements, functions and keywords, many of which relate directly to the windows GUI. Beginners can create useful application by learning just a few of the keywords, yet the power of the language allows professionals to accomplish anything that can be accomplished using any other Windows programming language.

Visual Basic is a solid tool for most applications. It is mature, stable, and proven. It is a sound Rapid Application Development (RAD) tool, but has enough flexibility to get down to the underlying APIs and enable the developer to weak performance or provide advanced features.

- Data access features allow you to create databases, front-end applications, and scalable server-side components for most popular database formats, including Microsoft SQL server and other enterprise-level database.

7

- Internet capabilities make it easy to provide access to documents and application, or to create Internet server applications.

- Your finished application is a true .exe file that uses a Visual Basic Virtual machine that you can freely distribute.

Developing an Application in Visual Basic

It takes just a few minutes to build your first Visual Basic application. You create the user interface by "drawing" controls, such as text boxes and command buttons, on a form. Next, you set properties for the form and controls to specify such values as captions, color and size. Finally, you write code to bring the application to life. The basic steps you take and creating the first application will show you principles that you'll use with every other application you develop.

Forms, Controls and Menus

The first step to create an application with Visual Basic is to create the interface, the visual part of the application with which the user will interact. Forms and Controls are the Basic buildings blocks used to create the interface; they are the objects that you will work with to build your application.

Forms are objects that expose properties that define their appearance, methods that define their behavior, and events that define their interaction with the user. By setting the properties of the form and writing Visual Basic code to respond to its events, you customize the object to meet the requirements of your application.

Controls are objects that are contained within form objects. Each type of control has its own set of properties, methods and events that make it suitable for a particular purpose. Some of the controls you can use in your application are best suited for entering or displaying text. Other controls let you access other application and process data as if the remote application was part of your code.

This chapter introduces the basic concepts of working with forms and controls and their associated properties, methods and events. Many of the standard controls are discussed, as well as form-specific items such as menus and dialog boxes.

Programming Fundamentals

After creating the interface for your application using forms and controls, you will need to write the code that defines the application's behavior. As with any modern programming language, Visual Basic supports a number of common programming constructs and language elements.

Visual Basic is an object-based programming language. Once you understand a few basic concepts, objects actually help to make programming easier than ever before.

Advantages of Visual Basic

➤ Visual Basic is Event-driven. Event-driven means the user is in control of the application.

➤ Visual Basic supports the principles of object-oriented design.

➤ Microsoft has designed visual basic to be a complete windows application development system.

➤ Visual Basic is infinitely extensible through the use of Active control, Dynamic Link Library and so on.

The Project Window

A project is a collection of files that make up your application. A single application might consist of several files. These files might contain code and descriptions of screens inside their respective form windows. The project window manages all your application's components. Its list its components in a tree structured listing. So it is also called project explorer. Related object appear together. The project window contains a toolbar with three buttons. The code window button displays the code window for a selected object so that you can write and change code related to the object. The view object button displays the visual elements. The toggle folders button groups and ungroup the project window's items in an explorer like interface.

The Properties Window

The property helps to differentiate a control from other controls because the property shows appearance and behavior of a control. When you place a control on a form, you assign properties that make that control show how unique from the other controls. The properties window lists every property related to that control. You can modify its initial property values.

1.3.4 MS-ACCESS

It is a database management system. It offers capabilities of both partially relational and object-oriented data base systems. A client or front-end data base application also in tracts with the database by requesting and receiving information from the data base server.

It acts as a interface between the user and the data base. The data base server back end is used to manage the data base tables optimally among multiple clients who concurrently request the server for the same data. It also enforces data integrity cross all clients applications and controls data base access and other security.

A data access is a web page that you can use to add, edit, view, or manipulate current data in a Microsoft access database or an SQL server database. You can create pages that are used to enter and edit data, similar to access reports

- **Collect and distribute current data in several ways:**

    You can use pages to add, edit, and view data within a Microsoft access or Microsoft access project; you can use them on the Internet or on an intranet, and you can send them on e-mail.

- **View grouped records interactively:**

    On grouped pages, you can view just details you want by expanding and collapsing group headers. You can also sort and filter records.

- **Analyze data and make projections:**

    You can organize data in different ways using a pivot table list, makes projections and do complex calculations using a spreadsheet control, and view data graphically in a chart.

- **Display HTML text:**

    You can store HTML code in fields on your database and display it as formulated HTML text on the page. For example, if a value in field includes the HTML tag that formants text as italic. You can use a bound HTML control on the page to display the value in italic text.

- **Use familiar design tools:**

    In design view, create pages using toolbars, the toolbox, themes, and other features that are similar to the tools you use to create forms and reports.

✓ Replication manager, which schedules updates among replicas, determines which objects in the database are replicated and manages multiple replica sets at one time. By using replication manager, you can see a visual display of all the replicas in a set.

✓ Microsoft Visual SourceSafe 6.0 (including the Visual SourceSafe Add-in for Access and the Visual SourceSafe Visual Basic Editor Add-in), which supports multideveloper application development.

✓ ActiveX controls that you can yes to add versatility to your applications and duplicate Microsoft windows 95 functionality, including controls Microsoft outlook messaging with data and other office applications.

✓ Updated windows API Viewer with enhanced performance. The windows API Viewer contain declarations and constants used with Windows 95 application-programming interface (API). You can copy and paste these declarations and constants into your visual basic modules.

✓ The data environment, a user interfaces for easily connecting solutions to external databases.

✓ The make Add-in feature, which you can use to create an Add-in directly from the visual basic editor for a specific visual basic editor host.

✓ The Package and Deploy Wizard, which you can use to deliver Office programmable solutions for any Visual Basic for applications 6.0 host to disk, network, and the web.

✓ The code Librarian, a tool for browsing existing source files for code snippets. You can search text, view descriptions and comment headers, and insert the text into your current project.

✓ The HTML help Workshop Software Development Kit(SDK), with which you can create help topics similar to those in Microsoft Office 2000. The SDK includes the HTML Help Workshop and the run- time version to distribute to your users.

✓ The agent SDK, which provides programmatic control over Office Assistants you create.

✓ Microsoft Office WebBot Components, with which you create applets embedded inside Office 2000 documents. With the user interface these applets provide, users don't need to author script and visual basic for applications code to take advantage to DHTML features. Web Bots are written in Microsoft Script Editor.

✓ Microsoft Developer Network (MDSN), office 2000 edition. The entire MSDN library is included, as well as a special default subset of Office and Visual Basic for applications programming commands.

1.3.5 WINDOWS 98

Windows is now easier to use, more reliable, and more entertaining than ever. Many of the exciting Windows 98 features are summarized below

- **Easier to use:**

    Navigating around your computer is easier than ever, desktop options such as single-clicking to open files and the addition of Browse buttons in every Window. You can now use multiple monitors with a single computer, dramatically increasing the size of workspace. Installing new hardware is easy because Windows 98 supports Universal Serial Bus (USB) standard, allowing you to plug in new hardware and use it immediately without restarting your computer. With Windows 98, you can also digital cameras and other digital imaging devices.

- **More reliable:**

    You can use the support Online Web site for answers to common questions and to keep your copy of Windows up-to-date. Windows 98 tools can help you automatically fix some problems.
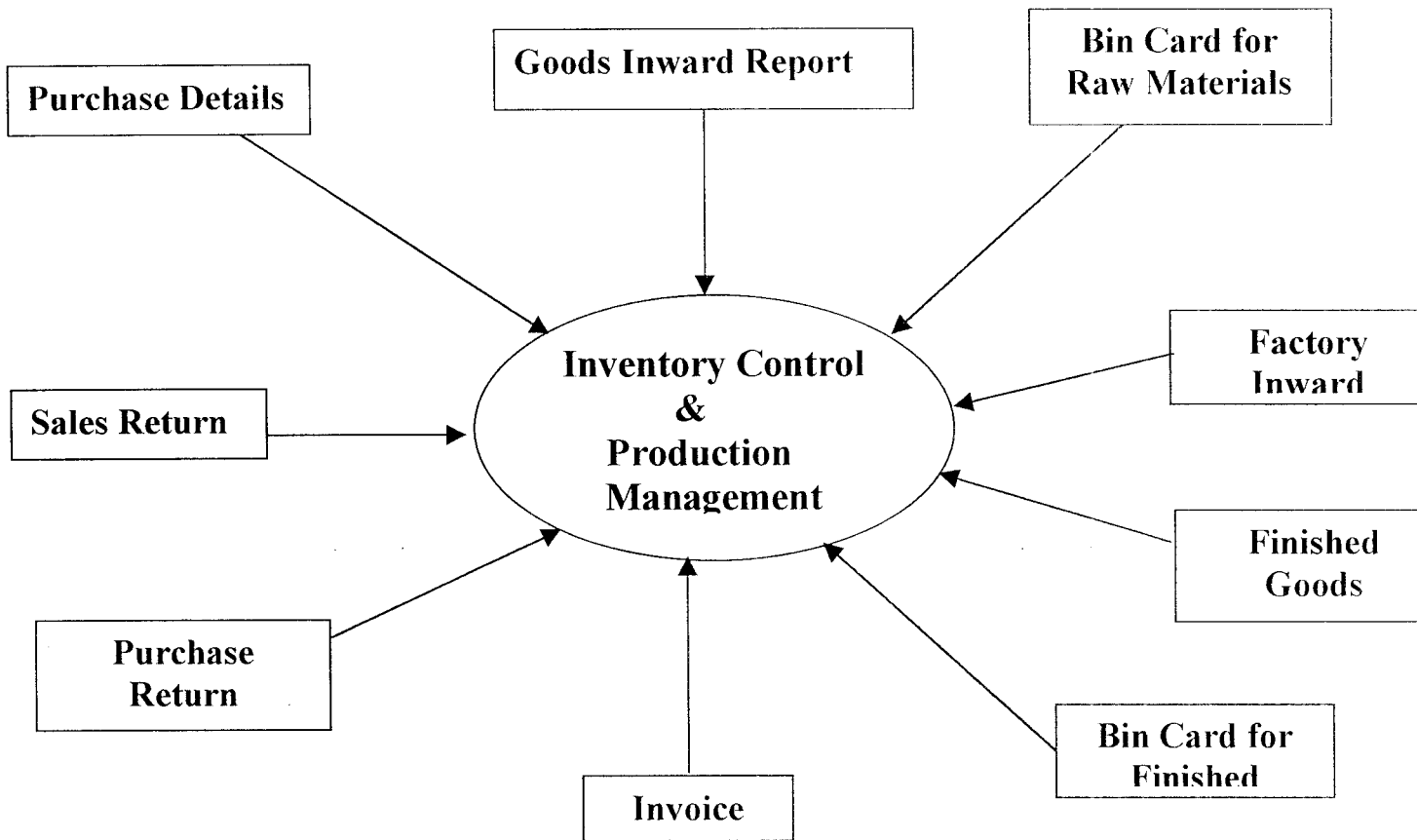
- **Faster:**

    Windows and programs open faster than even before. By using the Maintenance Wizard, you can easily improve your computer's speed and efficiency. The power management feature allows newer computers to go into hibernation mode and awaken instantly.
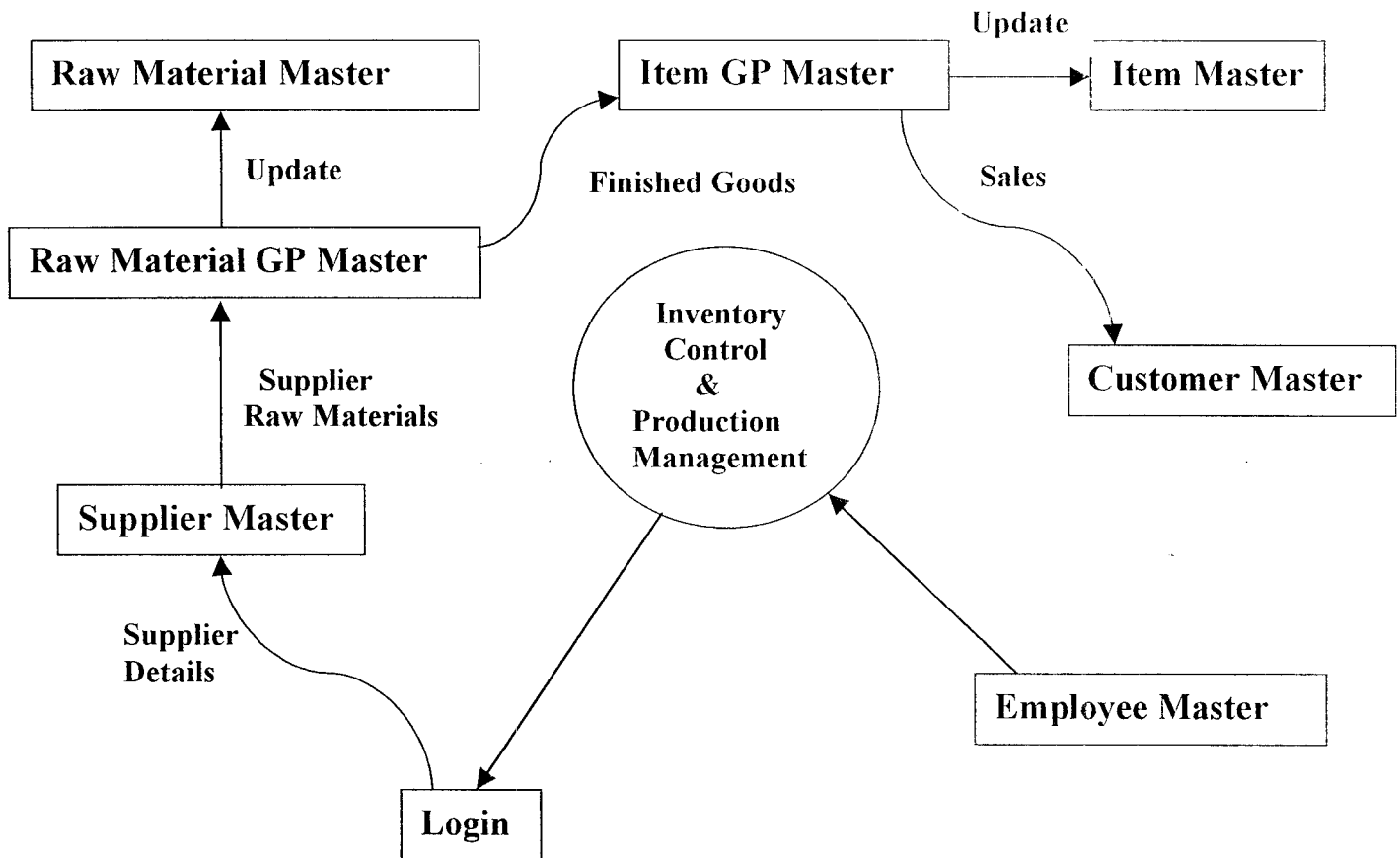
GENERAL DESCRIPTION

2.GENERAL DESCRIPTION

2.1 Context Diagram

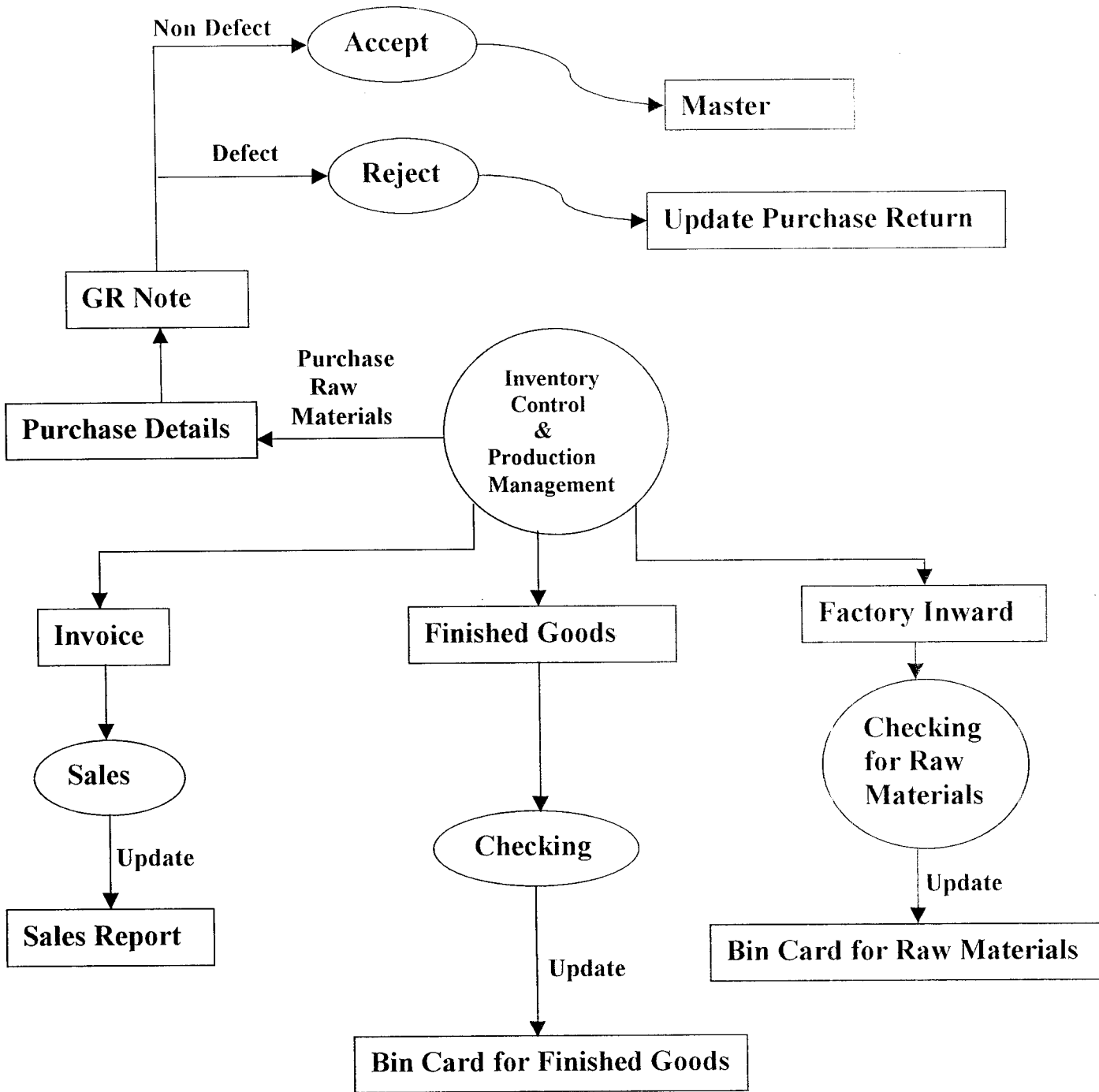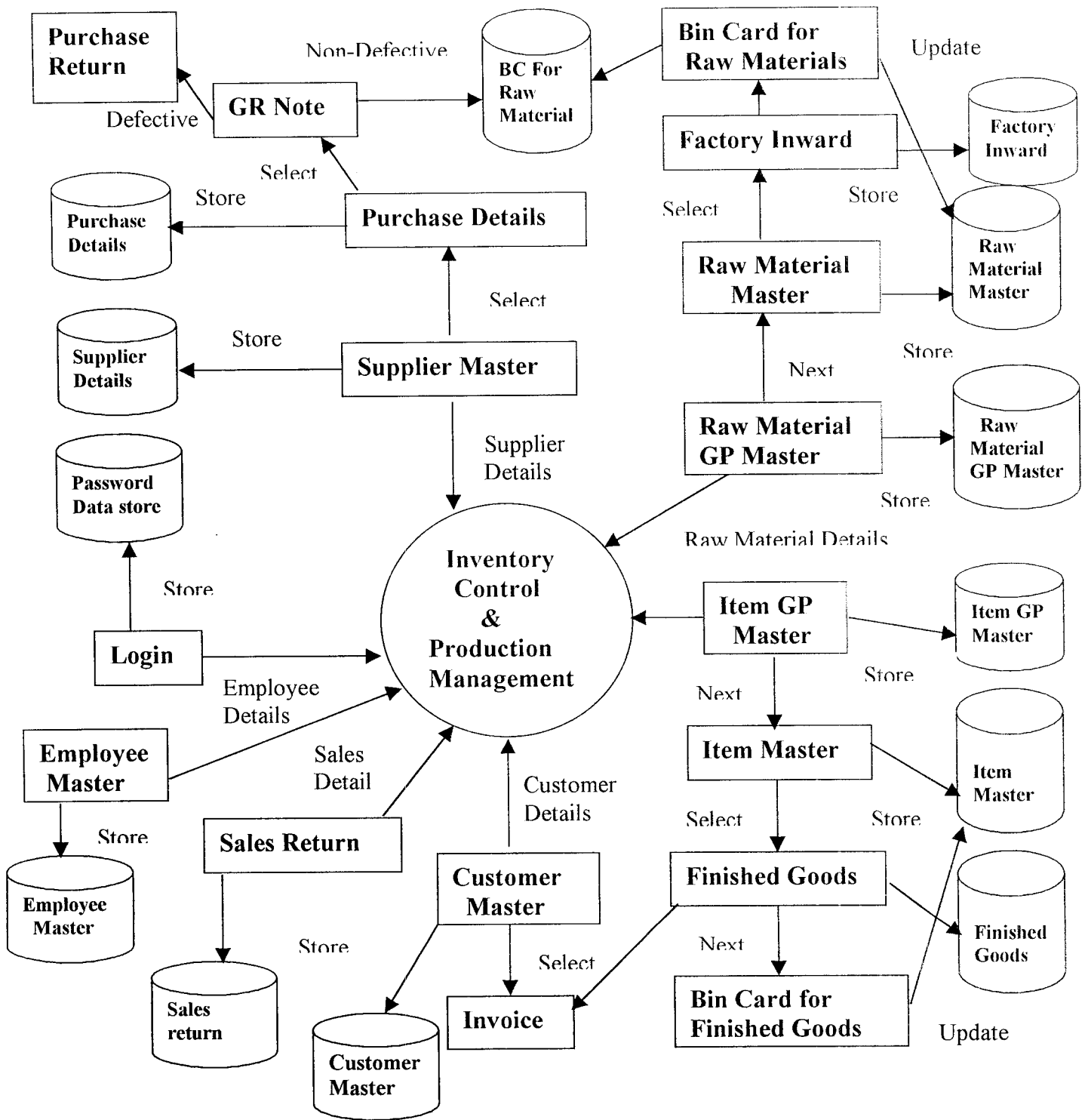|	
Purchase Details	
Goods Inward Report	
Bin Card for Raw Materials	

Inventory Control & Production Management

Sales Return

Factory Inward

Purchase Return

Finished Goods

Invoice

Bin Card for Finished

2.2 Data Flow Diagram

Level 1

| Raw Material Master | | Item GP Master | Update | Item Master |

Update (from Raw Material GP Master → Raw Material Master)

| Raw Material GP Master |

Finished Goods

Supplier Raw Materials

| Supplier Master |

Supplier Details

Inventory Control & Production Management (circle)

Sales

| Customer Master |

| Employee Master |

| Login |

Level 2

Non Defect → **Accept** → Master

Defect → **Reject** → Update Purchase Return

GR Note

Purchase Raw Materials

Purchase Details ← **Inventory Control & Production Management**

Invoice → Sales → **Update** → Sales Report

Finished Goods → Checking → **Update** → Bin Card for Finished Goods

Factory Inward → Checking for Raw Materials → **Update** → Bin Card for Raw Materials

Level 3

Purchase Return

Non-Defective

BC For Raw Material

Bin Card for Raw Materials

Update

Defective

GR Note

Select

Store

Purchase Details

Purchase Details

Select

Factory Inward

Store

Factory Inward

Select

Raw Material Master

Store

Raw Material Master

Store

Supplier Details

Store

Supplier Master

Next

Raw Material GP Master

Store

Raw Material GP Master

Password Data store

Supplier Details

Inventory Control & Production Management

Raw Material Details

Store

Login

Employee Details

Item GP Master

Item GP Master

Store

Employee Master

Sales Detail

Customer Details

Next

Item Master

Item Master

Store

Store

Employee Master

Sales Return

Store

Select

Store

Finished Goods

Store

Sales return

Customer Master

Select

Next

Finished Goods

Invoice

Bin Card for Finished Goods

Customer Master

Update

19

SPECIFIC REQUIREMENTS

3. SPECIFIC REQUIREMENTS

3.1 FUNCTIONAL REQUIREMENTS

3.1.1 Existing System

The existing system is maintained manual it finds more difficulty in maintaining the information. The reports are not so accurate and are not aligned. All the details corresponding to Production and Payroll processing are manually maintained in files or ledger books. At the end of the day or a week or monthly reports such as employee salary details, purchase details etc., are required.

Limitations of Existing System

As mentioned above in the Existing system, there is presently a manual system for system administration. Thus all the drawbacks associated commonly with manual systems will be evident in this system also.

The drawbacks present in the Existing system can be summarized as:

> Slow when compared to the automated solution.

> Since it is manual, it is prone to a lot of typographical error leading to frequent changes.

> Timely reports and bills were not produced.

> The system is not secure. As it is not password protected.

3.1.2 Proposed System

The Proposed system is aimed to simplify the complex and redundant process with the flexibility of a simple process with proper controls and reduced dependency on systems departments. The proposed system has being developed as a replacement for the existing system with the graphical user interface with good interactions with the database. It is primarily application oriented which could be enabled in the future.

Hence the proposed system is "Payroll Processing and Production Management System". The proposed system has been developed under Visual Basic 6.0 as the front end and MS access as the back end. The proposed system attempts to solve all the drawbacks of the existing system.

Moreover, the advantages of the proposed systems are,

> It is fully automated so no need to manually enter the details in the system.

> The entire documents are stored in the database, so that chances of errors are very less.

> Updating the project /document details will cause no errors, as everything is done in the front end without using queries in database.

> No need to store large files of papers, as data storage can be done in the database they can work accordingly

> The addition, deletion, modification and view can be made easily.

> Simultaneous data entry is possible as client-server technology.

The system has been developed with three modules:

> Master Files
> Transaction Files
> Reports

3.1.3 STUDY PHASE REPORT

In the end of the study and analysis report "**Software Requirement Specification**" was prepared. In this report, the problem has been described. Thus the nature of the problem, the performance to be done, the feasible solution and effectiveness were clearly known. This report was submitted to the client and after approval from them, the design phase activities were started.

3.2 PERFORMANCE REQUIREMENTS

3.2.1 SECURITY

Security plays a vital role in any software development. Our system is not a multi user environment. It is a single user environment. so only one user ID and password is provided. This is to ensure that if any problem occurs in future, that the user will be held responsible.

3.2.2 RESPONSE TIME

Response time is defined as the fraction of a second in which the required output is got depending on the query given.

3.3 DESIGN CONSTRAINTS

The most creative and challenging phase of the system life cycle is system design. The transaction from a user-oriented system design goes through two phase of development and they are logical and physical prepare logical system design, they specify the user need at a level of detail that virtually determines information flow into out of the system and required data sources.Physical design produces the working system by defining the design specifications that tell the programmer what the system must do. First step in the design phase is to determine how the output is to be produced and in what format. Secondly, input data and the master labels have to be designed to meet the requirement of the proposed output. Finally, at the design system design created will be ready which is used as the base for coding.

3.3.1 INPUT DESIGN

Input to a system can be defined as the information that is to be provided to the system that we use for future processing by system, obtaining meaningful information's which helps in helps in decision making. Input design concept of developing specifications and procedures necessary for processing the data are entered. The objectives followed while doing input design prevent the entry of invalid data entered. Some sample screen layouts are given in the appendix. The input screens used in this system are,

1. Master Screen

2. Transaction screen

MASTER SCREEN

The input design of the master screen includes the initial data entry for various masters and updations made at later stage. The master data are identified and kept as master tables. The data are entered through out the master screen. The master screens are provided with the accessibility options by which the authorized person can handle these screens.

TRANSACTION SCREEN

The screen design for transaction screen deals with designing input screens for the various transaction that are captured using the transactional screens and are stored in the intermediary transactional processing and will be periodically updated to the relevant masters.

STANDARD PROCEDURES ADAPTED FOR SCREENS

Operations

1. Add

2. Edit

3. Update

4. Find

5. Delete

6. Save

7. Cancel

8. Exit

1. Add

If the Add button is clicked, the system will clear all the fields in the input screen and the cursor will be placed at the first field. The save and cancel

button frame will alone be visible the user can either choose save or cancel to cancel the operation.

2. Edit

If the Edit button is clicked then the system will fetch the corresponding details of the record and display it in the screen. Now the user can save the modifications by clicking the update button.

3.Update:

If the update button is clicked then the system updates the modification of the current record and saves it.

4. Find

If any field value is entered and the Find button is clicked, the system will search for the corresponding records and display it on the screen. This is to view the details of the record.

5. Delete

If the Delete button is clicked the system will display the records and ask confirmation to the user whether to delete the displayed records from the database table or not.

6. Save

If the save button is clicked, then the system will insert all the input fields in to the corresponding database tables.

7. Cancel

If the Cancel button is clicked the current operation is cancelled and the input fields will be cleared.

8. Exit

If the Exit button is the system will quit the current application and the control will come to the menu

Masters

1. Supplier Master
2. Raw Material Group Master
3. Raw Material Master
4. Item Group Master
5. Item Master
6. Customer Master
7. Employee Master:

1. Supplier Master:

This Master includes the supplier details such as supplier code, supplier name, address and phone number of the various suppliers.

2. Raw Material Group Master:

This master includes group code and group name of the raw materials and their units are in kilograms and numbers.

3. Raw Material Master:

In this the raw material code and raw material name are stored under a particular raw material group name and it also includes other details such as units, available stock and cost price of the raw material.

4. Item Group Master:

This master maintains the item group name and item group code and their units were also maintained in this master.

5. Item Master:

In this the item code and item name are stored under a particular item group name and it also includes other details such as units, available stock and selling price of the items.

6. Customer Master:

This Master includes the customer details such as customer code, customer name, address and phone number of the various customers.

7. Employee Master:

In this master the employ details such as employee code, employee name, address ,phone no, date of birth, blood group,designation,sex and salary are maintained in this master.

TRANSACTIONS

1. Purchase Details
2. Goods Report Note
3. Factory Inward
4. Bin Card for Raw Materials
5. Finished Goods
6. Bin Card for finished Goods
7. Invoice
8. Purchase Return
9. Sales Return

1.Purchase Details

In this the amount of raw materials purchased from the supplier with the cost price of the raw material are maintained and the net amount is calculated.

2. Goods Report Note

In this the amount of goods receive from the supplier and amount of goods accepted, rejected are also maintained in this form.

3. Factory Inward:

This form maintains the amount of raw materials given to produce capacitors. Every day the current stock was updated.

4. Bin Card for Raw Materials:

This is a stock register, which maintains the previous day closing balance as the current day opening balance and the amount of stock given to produce capacitors. At the end the closing balance is updated.

5. Finished Goods

This form maintains the amount of items produced on that day and it was updated with the current stock.

6. Bin Card for finished Goods:

This maintains the amount of stock produced and updated with current stocks.

7. Invoice:

This form contains the amount of items purchased by the customer.

8. Purchase Return:

This record maintains the amount of damaged goods return to the supplier.

9. Sales Return:

This record maintains the amount of damaged goods returned by the customer.

3.3.2 EXTERNAL INTERFACE

There is a database structure maintained in the server at the client place where the development took places. The database structure and table design are confidential within the organization and cannot be disclosed anywhere.

3.3.3 USER INTERFACE

Outputs from a system is required primarily to communicate the result of processing to the user and to provide permanent copy of their results, while designing the output, the byte of the report, content format have been taken in to consideration.

The reports of the system are generated so as to meet the requirements of Top, Middle and Down line management. The reports are designed as per the requirements of the client.

3.3.4 OUTPUT DESIGN

REPORTS

1.Supplier Report:

In this report we can generate the supplier details who supplies raw materials to our concern.

2.Customer Report:

In this report we can generate the customer details who purchase goods from our concern.

3.Employee Report:

This report consists of employee details working in our concern.

4.Item Report:

The available stock of finished goods can be generated through this report with item name and item code.

5.Sales Report:

In this report we can generate the monthly wise sales report of the finished goods.

6.Factory Inward Report:

This report generates the details about the amount of raw materials given to produce capacitors for a day.

7.Finished Goods Report:

This report generates the amount of stock produced for a particular day.

8.Raw Material Report:

This report gives the cost price of the raw material and the available stock with their units.

9.Purchase Return Report:

This report consists of the details about the amount of raw materials returned to the supplier due to some defect in the raw material.

10.Sales Return Report:

This report generates the details about the amount of raw materials returned by the customer due to some defect in the raw material.

3.3.5 DESIGN PHASE REPORT

After all the design phase activities were completed they were explained to the people in the client organization on the form of the document "System Design Document". All the information about the input and file design were also shown to this report. Then after the approval of them, the project has been processed with the development phase.

SYSTEM DEVELOPMENT,TESTING
& IMPLEMENTATION

4. SYSTEM DEVELOPMENT, TESTING AND IMPLEMENTATION

4.1 DEVELOPMENT

The system is being developed using the prototyping model. The development phase off the system is classified into three prototypes, i.e., the system is developed in stages as three prototype development. It is shown to the client. The client will in turn give their feedback on them.

PROTOTYPE-I

The first prototype will have only the navigation in screens. The user will work with prototype-I and give their feedback. The feedback may be like change in the navigation. Type of entry like Enterable, Selection from the list or display only etc. The order in the users feel convenient.

PROTOTYPE-II

The second prototype will have to incorporate all the suggestions of the users given as feedback. In addition to that, operations are included in the prototype-II. The operations like add, modify, delete, view etc are included. The user will work with that and will give feedback based on that. Some screens there is a need for some other operations to be performed. Some times the operation is same screen may not be required. Such changes are to be made. Also in prototype-II all validations will also be included. If any special validations are to be included, based on feedback from the user, they are to be incorporated.

PROTOTYPE-III

Prototype-III is the final prototype and it is a full-fledged system which will incorporate all suggestions by the user. The prototype-III is then subjected to testing.

4.2 TESTING TECHNIQUES

The system is tested in three phases. These testing techniques are,

- ➢ Unit Testing
- ➢ System Testing
- ➢ Acceptance Testing

UNIT TESTING

In Unit testing, each program unit is tested individually. Sample data is given for unit testing. The unit test results are recorded for future reference. During unit testing the functionality of the program test until validation and limitation are tested.

SYSTEM TESTING

In System testing, the whole system is tested for the interface between the modules and program units. The interaction between the program units are tested and recorded. The system testing is done with the sample data and live data. The security, communication between the interfaces is tested.

ACCEPTANCE TESTING

This testing is the final stage of testing phase. This is done by the user. The system is given to the user and they will test the system during the data.

The various possibilities of the data are entered and response from the system is tested. Once the acceptance testing is signed off by the client, then we can successfully implement the system.

4.3 IMPLEMENTATION

Implementation is the stage where the theoretical design is converted into a working system. In this system, all modules are tested and successfully implemented to the users satisfaction.

CONCLUSION

6. CONCLUSION

With the exposure of the technical knowledge of computers and its languages, whatever we gained is fully applied in the design an implementation of the **INVENTORY CONTROL & PRODUCTION MANAGEMENT SYSTEM**.

During the design phase of the **INVENTORY CONTROL & PRODUCTION MANAGEMENT SYSTEM** many difficulties were encountered. All these difficulties were analyzed deeply and great efforts were taken to bring out an accurate and credible software package.

This user-friendly software has overcome strict and severe validation checks performed using the test data. A great effort was made to attain maximum perfection in documenting the software in a simple, precise and self-explanatory manner.

This system has an added advantage of reliability and accuracy. Also the outputs of this software can be standardized to form inputs. Thus our software can become an integral part of the inventory control and production management system of the organization.

FUTURE ENHANCEMENTS

5. FUTURE ENHANCEMENTS

In our project presently we have completed a module in production. In future we can combine the production and sales from which the yearly turn over can be obtained.

On the supplier side the current balance amount to pay and the balance amount to be received from customers can be calculated for the current month.

The pay slip of the employee can be calculated. Purchase Order for finished goods from customers can also be maintained.

BIBLIOGRAPHY

7. BIBLIOGRAPHY

1. Visual Basic 6.0
              -Steve Brown

2. Visual Basic 6.0 Black Book
          -Comdex Publishing

3. Database Access with Visual Basic 5.0
                  -Jefferey P.MeManus

4. Visual Basic 6.0 Programming Bible
            -Eric A.Smith, Valor Whisher

5. Software Engineering
              -Pankaj Talote

APPENDIX

APPENDIX

TABLES:

Customer Master

S.No	Field Name	Data Type	Width	Description
1.	Cname	Text	20	Customer Name
	Cadd1	Text	15	Customer Address1
3.	Cadd2	Text	15	Customer Address2
4.	Cadd3	Text	15	Customer Address3
5.	Cphno	Number	Double	Customer Phone Number

Item Master

S.No	Field Name	Data Type	Width	Description
1.	igcode	Text	10	Item Group Code
2.	icode	Text	11	Item Code
3.	iname	Text	30	Item Name
4.	ipack	Text	20	Item Package
5.	iunit	Text	15	Item Unit
6.	isprice	Number	Double	Item Selling Price
7.	iavstock	Number	Double	Item Available Stock

Item Group Master

S.No	Field Name	Data Type	Width	Description
1.	igcode	Text	10	Item Group Code
2.	igname	Text	15	Item Group Name
3.	igunit	Text	12	Item Group Unit

Sales Return

S.No	Field Name	Data Type	Width	Description
1.	Sno	Number	Long Integer	Serial Number
2.	ccode	Text	10	Customer Code
3.	igcode	Text	10	Item Group Code
4.	icode	Text	10	Item Code
5.	qty	Number	Long Integer	Quantity
6.	amt	Number	Long Integer	Amount
7.	defect	Memo		Defect

Purchase1

S.No	Field Name	Data Type	Width	Description
1.	pcno	Text	10	Purchase Number
2.	rgcode	Text	15	Raw Group Code
3.	rcode	Text	12	Raw Code
4.	Quantity	Number	Long Integer	Quantity
5.	Amount	Number	Long Integer	Amount
6.	State	Yes\No	Yes\No	True\False

Raw Material Master

S.No	Field Name	Data Type	Width	Description
1.	rgcode	Text	20	Raw Group Code
2.	rcode	Text	10	Raw Code
3.	rname	Text	20	Raw Name
4.	rpack	Text	10	Raw Package
5.	runit	Text	10	Raw Unit
6.	rcprice	Number	Long Integer	Raw Cost Price
7.	ravstock	Number	Long Integer	Raw Available Stock

41

Bin Card for Raw Materials

S.No	Field Name	Data Type	Width	Description
1.	rgcode	Text	15	Raw Group Code
2.	rcode	Text	12	Raw Code
3.	opbal	Number	Long Integer	Opening Balance
4.	date	Date/Time	-	Current Date
5.	clbal	Number	Long Integer	Closing Balance
6.	curstock	Number	Long Integer	Current Stock

Purchase

S.No	Field Name	Data Type	Width	Description
1.	pcno	Number	Long Integer	Purchase Number
2.	Dtp1	Date/Time	-	Current Date1
3.	pcinvno	Number	Long Integer	Purchase Invoice Number
4.	Dtp2	Date/Time	-	Current Date2
5.	scode	Text	10	Supplier Code
6.	netamt	Number	Long Integer	Net Amount
7.	state	Yes/No	Yes/No	State

Bin Card for Item Master

S.No	Field Name	Data Type	Width	Description
1.	sno	Number	Long Integer	Serial Number
2.	igcode	Text	15	Item Group Code
3.	icode	Text	12	Item Code
4.	opbal	Number	Long Integer	Opening Balance
5.	date	Date/Time	-	Current Date
6.	cstock	Number	Long Integer	Current Stock
7.	clbal	Number	Long Integer	Closing Balance

Raw Group Master

S.No	Field Name	Data Type	Width	Description
1.	rgcode	Text	15	Raw Group Code
2.	rgcode	Text	12	Raw Group Code
3.	rgunit	Text	12	Raw Unit

Supplier Master

S.No	Field Name	Data Type	Width	Description
1.	scode	Text	20	Supplier Code
2.	sname	Text	20	Supplier Name
3.	sadd1	Text	15	Supplier Address1
4.	sadd2	Text	15	Supplier Address2
5.	sadd3	Text	15	Supplier Address3
6.	sphno	Number	Double	Supplier Phone Number

Invoice

S.No	Field Name	Data Type	Width	Description
1.	invno	Number	Long Integer	Invoice Number
2.	dtp1	Date/Time	-	Current Date1
3.	prorno	Number	Long Integer	Purchase Order
4.	dtp2	Date/Time	-	Current Date2
5.	dchalan	Number	Long Integer	Delivery Chalan
6.	dtp3	Date/Time	-	Current Date3
7.	ccode	Text	10	Customer Code
8.	namt	Number	Long Integer	Net Amount
9.	state	Yes/No	Yes/No	State

44

Invoice2

S.No	Field Name	Data Type	Width	Description
1.	invno	Number	Long Integer	Invoice Number
2.	igcode	Text	10	Item Group Code
3.	icode	Text	10	Item Code
4.	npack	Number	Long Integer	Package
5.	Pack	Text	14	Package
6.	unit	Text	12	Unit
7.	qty	Number	Long Integer	Quantity
8.	amt	Number	Long Integer	Amount

Purchase Return

S.No	Field Name	Data Type	Width	Description
1.	invno	Number	Long Integer	Invoice Number
2.	scode	Number	Long Integer	Invoice Number
3.	sno	Text	10	Serial Number
4.	rgcode	Text	10	Raw Material Group Code
5.	rcode	Text	10	Raw Material Code
6.	qty	Number	Long Integer	Quantity
7.	amt	Number	Long Integer	Amount
8.	defect	Memo	-	Defect

Goods Inward

S.No	Field Name	Data Type	Width	Description
1.	invno	Number	Long Integer	Invoice Number
2.	scode	Number	Long Integer	Supplier Code
3.	rgcode	Text	10	Raw Group Code
4.	date	Date/Time	-	Current Date
5.	rcode	Text	10	Raw Material Code
6.	recqty	Number	Long Integer	Received Quantity
7.	accqty	Number	Long Integer	Accepted Quantity
8.	rejqty	Number	Long Integer	Rejected Quantity
9.	stores	Number	Long Integer	Stores
10.	state	Yes/No	Yes/No	State
11.	accamt	Number	Long Integer	Accepted Amount

Employee Master

S.No	Field Name	Data Type	Width	Description
1.	Ename	Text	20	Employee Name
2.	Eadd1	Text	15	Employee Address1
3.	Eadd2	Text	15	Employee Address2
4.	Eadd3	Text	15	Employee Address3
5.	Ephno	Number	Double	Employee Phone Number
6.	Dob	Date/Time	-	Current Date
7.	Bg	Text	15	Blood Group
8.	Design	Text	15	Designation
9.	Sal	Number	Double	Salary
10.	Sex	Text	1	Sex

Factory Inward

S.No	Field Name	Data Type	Width	Description
1.	rgcode	Text	15	Raw Group Code
2.	rcode	Text	12	Raw Code
3.	qty	Number	Long Integer	Quantity
4.	cstock	Number	Long Integer	Current Stock
5.	date	Date/Time	-	Current Date
6.	state	Yes/No	Yes/No	State
7.	time	Text	50	Current Time

Finished Goods

S.No	Field Name	Data Type	Width	Description
1.	igcode	Text	15	Item Group Code
2.	icode	Text	12	Item Code
3.	qty	Number	Long Integer	Quantity
4.	cstock	Number	Long Integer	Current Stock
5.	date	Date/Time	-	Current Date
6.	state	Yes/No	Yes/No	State
7.	time	Text	50	Current Time

6.2 Sample Coding

Supplier Master:

```vb
Dim s As String
Dim s1 As String
Dim addclicked As Boolean
Dim addrelease As Boolean
Dim findclicked As Boolean
Dim conn As New ADODB.Connection
Dim rs As New ADODB.Recordset
Dim rstemp As New ADODB.Recordset


Private Sub cmdsadd_Click()
cmdsadd.Enabled = False
cmdsfind.Enabled = False
cmdscancel.Enabled = True
cmdsdel.Enabled = False
cmdsedit.Enabled = False
cmdssave.Enabled = True
MSH1.Enabled = False
Call release
Call clear
addclicked = True
txtscode.SetFocus
End Sub


Private Sub cmdscancel_Click()
If findclicked = True Then
        cmdsadd.Enabled = True
        cmdsfind.Enabled = True
        cmdscancel.Enabled = False
        cmdsdel.Enabled = True
        cmdsedit.Enabled = True
        cmdsedit.Visible = True
        cmdssave.Enabled = False
        MSH1.Enabled = True
        Combo1.Visible = False
        Call release
        addclicked = False
```

50

```vb
Else
        cmdsadd.Enabled = True
        cmdsfind.Enabled = True
        cmdscancel.Enabled = False
        cmdsdel.Enabled = True
        cmdsedit.Enabled = True
        cmdsedit.Visible = True
        cmdssave.Enabled = False
        MSH1.Enabled = True
        Combo1.Visible = False
        rs.MoveFirst
        Call fillform
        Call release
        addclicked = False
    End If
End Sub

Private Sub cmdsdel_Click()
Dim s As String
If validate = False Then
 MsgBox ("Not Valid")
Else
 s = MsgBox("Confirm Deletion", vbYesNo, "Record Deletion")
 If s = vbYes Then
    rs.Delete
    MsgBox "Record Deleted Sucessfully"
    rs.MoveNext
     If rs.EOF Then
        rs.MoveFirst
     End If
    Call fillform
    Set rs = New ADODB.Recordset
    rs.Open "select * from supmaster", conn, adOpenDynamic, adLockOptimistic
    Set MSH1.DataSource = rs
 End If
End If
cmdscancel.Enabled = False
End Sub

Private Sub cmdsedit_Click()
Dim s As String
Cmdupdate.Visible = True
Cmdupdate.Enabled = True
```

```
cmdsedit.Visible = False
cmdsadd.Enabled = False
cmdsfind.Enabled = False
cmdscancel.Enabled = True
cmdsdel.Enabled = False
cmdsedit.Enabled = False
cmdssave.Enabled = False
Call release
rs.Update
MSH1.Enabled = False
findclicked = False
End Sub


Private Sub cmdsexit_Click()
Unload Me
End Sub


Public Sub clear()
txtscode.Text = ""
txtsname.Text = ""
txtsadd1.Text = ""
txtsadd2.Text = ""
txtsadd3.Text = ""
txtsphno.Text = ""
End Sub


Private Sub cmdssave_Click()
Dim s As String
Dim o As Boolean
  If validate = False Then
    MsgBox "Please Enter all the Required fields"
    o = True
  End If
  If o = False Then
    s = MsgBox("Do you want to save", vbYesNo, "Save")
    If s = vbYes Then
      rs.AddNew
      Call filltable
      rs.Update
      addclicked = False
      MsgBox "Record added Sucessfully"
      rs.MoveFirst
      Call fillform
```

```vb
        cmdsadd.Enabled = True
        cmdsfind.Enabled = True
        cmdscancel.Enabled = False
        cmdsdel.Enabled = True
        cmdsedit.Enabled = True
        cmdssave.Enabled = False

    Else
        rs.MoveFirst
        Call fillform
        cmdsadd.Enabled = True
        cmdsfind.Enabled = True
        cmdscancel.Enabled = False
        cmdsdel.Enabled = True
        cmdsedit.Enabled = True
        cmdssave.Enabled = False
    End If
End If
o = True
Set rs1 = New ADODB.Recordset
rs1.Open "select * from supmaster", conn, adOpenDynamic, adLockOptimistic
Set MSH1.DataSource = rs1
MSH1.Enabled = True
Call locked
End Sub


Public Sub cmdsfind_Click()
findclicked = True
Combo1.Visible = True
Combo1.clear
Dim val As Boolean
Dim n As String
cmdscancel.Enabled = False
s1 = InputBox("Enter the name to Display Details")
rs.MoveFirst
Do While Not rs.EOF
    n = Left$(rs("sname"), 1)
    If (UCase(s1) = UCase(n)) Then
        Combo1.AddItem (rs("scode"))
        val = True
        rs.MoveNext
    Else
```

```vb
      rs.MoveNext
   End If
Loop
If val = False Then
   MsgBox "Record Not Found"
   Combo1.Visible = False
End If
      cmdsadd.Enabled = False
      cmdsfind.Enabled = False
      cmdscancel.Enabled = True
      cmdsdel.Enabled = False
      cmdsedit.Enabled = False
      cmdssave.Enabled = False
End Sub


Private Sub cmdupdate_Click()
 Dim s As String
 If Cmdupdate.Enabled = True Then
    s = MsgBox("Do you want to save", vbYesNo, "Save")
    If s = vbYes Then
       Call filltable
       rs.Update
       MsgBox "Record modified Sucessfully"
        cmdsedit.Enabled = True
        cmdsedit.Visible = True
        cmdsadd.Enabled = True
        cmdsfind.Enabled = True
        cmdscancel.Enabled = False
        cmdsdel.Enabled = True
        cmdssave.Enabled = False
        Cmdupdate.Enabled = False
        Cmdupdate.Visible = False
    Else
        cmdsedit.Caption = "Edit"
        cmdsedit.Enabled = True
        cmdsedit.Visible = True
        cmdsadd.Enabled = True
        cmdsfind.Enabled = True
        cmdscancel.Enabled = True
        cmdsdel.Enabled = True
        cmdssave.Enabled = False
        Cmdupdate.Enabled = False
        Cmdupdate.Visible = False
```

54

```
        End If
        Call locked
     End If
rstemp.Open "select * from supmaster", conn, adOpenDynamic, adLockOptimistic
Set MSH1.DataSource = rstemp
rstemp.Close
Set retemp = Nothing
MSH1.Enabled = True
End Sub


Private Sub Combo1_Click()
rs.MoveFirst
s = Combo1.Text
Do While Not rs.EOF
If (UCase(s) = UCase(rs("scode"))) Then
    Call fillform
    Exit Do
Else
    rs.MoveNext
End If
Loop
If cmdscancel.Cancel = True Then
 Combo1.Visible = False
Else
 Combo1.Visible = True
End If
End Sub

Private Sub Form_Load()
Set conn = New ADODB.Connection
conn.Open "Demo2"
Set rs = New ADODB.Recordset
rs.Open "select * from supmaster", conn, adOpenDynamic, adLockOptimistic

Set MSH1.DataSource = rs
For i = 2 To 8
    MSH1.ColWidth(i) = 0
Next i
MSH1.ColWidth(0) = 500
MSH1.ColWidth(1) = 2000
rs.MoveFirst
Call fillform
```

```
Call locked
cmdscancel.Enabled = False
addclicked = False
End Sub

Public Sub fillform()
txtscode.Text = rs("scode")
txtsname.Text = rs("sname")
txtsadd1.Text = rs("sadd1")
txtsadd2.Text = rs("sadd2")
txtsadd3.Text = rs("sadd3")
txtsphno.Text = rs("sphno")
End Sub

Public Sub filltable()
 rs("scode") = txtscode.Text
 rs("sname") = txtsname.Text
 rs("sadd1") = txtsadd1.Text
 rs("sadd2") = txtsadd2.Text
 rs("sadd3") = txtsadd3.Text
 rs("sphno") = txtsphno.Text
End Sub

Public Function validate()
  If Len(txtsadd1.Text) > 0 Then
    If Len(txtsadd2.Text) > 0 Then
      If Len(txtsadd3.Text) > 0 Then
        If Len(txtscode.Text) > 0 Then
          If Len(txtsphno.Text) > 0 Then
            If Len(txtsname.Text) > 0 Then
              validate = True
            End If
          End If
        End If
      End If
    End If
  End If
End Function

Private Sub MSH1_Click()
s = (MSH1.TextMatrix(MSH1.RowSel, 0))
rs.MoveFirst
Do While Not rs.EOF
```

```vb
If (UCase(s) = UCase(rs("scode"))) Then
    Call fillform
    Exit Do
Else
    rs.MoveNext
End If
Loop
End Sub


Public Sub locked()
txtscode.locked = True
txtsname.locked = True
txtsadd1.locked = True
txtsadd2.locked = True
txtsadd3.locked = True
txtsphno.locked = True
End Sub

Public Sub release()
txtscode.locked = False
txtsname.locked = False
txtsadd1.locked = False
txtsadd2.locked = False
txtsadd3.locked = False
txtsphno.locked = False
End Sub

Private Sub txtscode_KeyPress(KeyAscii As Integer)
If (KeyAscii >= 97 And KeyAscii <= 122) Or (KeyAscii >= 48 And KeyAscii <=
57) Or KeyAscii = 8 Then
Else
    KeyAscii = 0
End If
End Sub

Private Sub txtscode_LostFocus()
If addclicked = True Then
 s = txtscode.Text
 rs.MoveFirst
 Do While Not rs.EOF
  If (UCase(s) = UCase(rs("scode"))) Then
    MsgBox "This Number Already Exists"
```

```
s1 = MsgBox("Do U Want To Continue?", vbYesNo)
If s1 = vbYes Then
  txtscode.SelStart = 0
  txtscode.SelLength = Len(txtscode.Text)
  txtscode.SetFocus
  Exit Do
  Else
  txtscode.Text = ""
  cmdscancel.SetFocus
  cmdssave.Enabled = False
  End If
  Exit Sub
Else
  rs.MoveNext
  End If
Loop
End If
End Sub

Private Sub txtsphno_KeyPress(KeyAscii As Integer)
If (KeyAscii >= 48 And KeyAscii <= 57) Or KeyAscii = 8 Then
Else
    KeyAscii = 0
End If
End Sub
```

6.3 SAMPLE SCREENS

SUPPLIER MASTER

Supplier Code	02
Supplier Name	Govind
Address 1	Race Course
Address 2	Race Course
Address 3	Coimbatore
Phone Number	2216475

scode	sname
01	Ram
02	Govind
03	Raju
04	Arun
05	Raja
06	Siva

Add   Edit   Find   Delete   Save   Cancel   Exit

RAW-MATERIAL GROUP MASTER

rgcod	rgname
01	ZA MPP film Capac
02	Aluminium Cans
03	PP Can
04	Zinc Wire
05	ETC Wire

Group Code   01

Group Name   ZA MPP film Capacitor Element

Unit   Nos

Add   Edit   Find   Delete   Save   Cancel   Exit

60

RAW MATERIAL MASTER

rcode	rname
01	7 mic 50mm 30.0m
02	8 mic 37.5mm 36.0
03	9 mic 75mm 50.0m
04	6 mic 37.5mm 8.0m
05	6 mic 37.5mm 5.0m

Group Name   ZA MPP film Capacitor Element ▼

Raw Material Code   01

Raw Material Name   7 mic 50mm 30.0mfd

Package   Box

Units   Nos

Cost Price   45

Available Stock   39

| Add | Edit | Find | Delete | Save | Cancel | Exit |

PURCHASE DETAILS

Purchase no: 5   3 /19/03

Pc Invoice no: 4   1 /25/03

Supplier Code   06

Supplier Name   Siva

Address 1   Nehru Nagar

Address 2   Ganapathy

Address 3   Coimbatore

Phone Number   2531000

rcode	rname
17	0.75 mm
18	0.5 mm
19	1.0 mm
20	1.5 mm

Raw Material Group   Raw Material Code   Raw Material Name   Units   Cost Price   Quantity   Amount

Aluminium Cans

	RM Group Name	RM code	RM Name	Units	Cost	Quantity	Amount
1	ZA MPP film Capacitor Elem	05	6 mic 37.5mm 5.0mfd	Nos	46	4	184
2	Aluminium Cans	07	40*97 mm	Nos	34	21	714
3	PP Can	12	40*97 mm	Nos	34	12	408
4	Zinc Wire	16	0.75 mm Zinc Wire	Kgs	35	21	735
5	ETC Wire	18	0.5 mm	Rolls	23	2	46

Submit

Net Amount   2037

| Add | | | Save | Clear | Cancel | Exit |

62

4:11:31

Invoice no: 1 ▾ 3 / 7 /03 ▾

GOKUL CAPACITORS

72-B,KATTABOMMAN St.
GANAPATHY,COIMBATORE-6

Supplier Code   05

Supplier Name   Raja

pcno	rcode
1	02

Address 1   R.S Puram

Address 2   R.S Puram

Address 3   Coimbatore-6

Phone Number   789789

Raw Material Group	Raw Material Code	Raw Material Name	Recieved Qty	Accepted Qty	Rejected Qty
Aluminium Cans	02	8 mic 37.5mm 36.0mfd	10	4	6

Stores 43   Amount 180

| Edit | Find | Save | Cancel | Exit |

63

FACTORY INWARD

4:17:36 PM

Date:	3 /18/03 ▾
Raw Material Group	Aluminium Cans
Raw Material Code	03
Raw Material Name	9 mic 75mm 50.0mfd
Units	Nos
Quantity	34
Current Stock	42

rcode	rname
06	30*52mm
07	40*97 mm
08	40*120 mm
09	50*120 MM
10	35*120 mm

◄ | ►

Edit | Find | Save | Exit

64

BIN CARD FOR RAW MATERIALS

rcode	rname
06	30*52mm
07	40*97 mm
08	40*120 mm
09	50*120 MM
10	35*120 mm

Current Date   3 /19/03

Raw Material Group   Aluminium Cans

Raw Material Code   06

Raw Material Name   30*52mm

Units   Nos

Opening Balance   **Inward Stock**   **Closing Balance**

56   30   26

Update   Exit

INVOICE — □ X

Invoice no: [5] [3 /19/03 ▾]

P.O No [6] [3 /19/03 ▾]

D.C No [5] [3 /19/03 ▾]

Customer Code [01 ▾]

Customer Name [Arun]

Address 1 [EB colony]

Address 2 [Ganapathy]

Address 3 [Erode]

Phone Number [2531119]

icode	name
06	1 Kvar 415 Volts 3Ph
07	1 Kvar 230 Volts Sir
08	2 Kvar 415 Volts 3Ph
09	13 Kvar 415 Volts 3F
10	25 Kvar 415 Volts 3F

Item Group Name	Item Code	Item Name	Units	No of Package	Package	Quantity	Amount
Power Capacitor							

	IG Group Name	Item code	Item Name	No of Pack	Package	Quantity	Units	Amount
1	Power Capacitor	06	1 Kvar 415 Volts 3Phase	2	Box	32	Nos	1440
2	Motor Start Capacitor	14	200/250 mfd	5	Box	3	Nos	225
3	Motor Capacitor	04	20.0 mfd 500 Volts	8	Box	4	Nos	224
4	Power Capacitor	08	2 Kvar 415 Volts 3Phase	1	Box	4	Nos	216
5								

[Submit]

Net Amount [2105]

[Add] [Edit] [ ] [Delete] [Save] [Clear] [Exit]

SALES RETURN

Serial no: 5   1 /25/03

Customer Code   05

Customer Name   Raghu

Address 1   Saibaba colony

Address 2   Mettupalayam Rd

Address 3   Coimbatore

Phone Number   523453

icode	iname
01	5.0 mfd 440 Volts
02	10.0 mfd 440 Volts
04	20.0 mfd 500 Volts
05	25.0 mfd 250 Volts
03	36.0 mfd 600 Volts

Item Group Name   Motor Capacitor

Item Code	Item Name	Units	Quantity	Amount
01	5.0 mfd 440 Volts	Nos	4	304

Defective   Damage

Invoice Copy Enrolled

Save   Exit

Purchase Returns

Serial no: 5   3 /19/03

Supplier Code   04   Invoice No: 5

Supplier Name   Arun

Address 1   K.P.G Nagar

Address 2   Ganapathy

Address 3   Coimbatore-6

Phone Number   2531219

Group Name   Zinc Wire

Raw Material Code	Raw Material Name	Units	Quantity	Amount
05	7 mic 50mm 30.0mfd	Nos	6	45

Defective   Due to Damage

Invoice Copy Enrolled

Save   Exit

68

6.4 SAMPLE REPORTS

Employee Report:

GOKUL CAPACITORS
72-B,KATTABOMMAN St,
GANAPATHY,COIMBATORE-641006
FACT:2533310,2539001 FAX:0422-2536362

GOKUL
CAPACITOR

EMPLOYEE REPORT

Date:3/21/03

Ecode	Name	Sex	Address	Phone no	Dob	Blood Group	Desig	Salary
01	Arun	M	Ram Nagar Ganapathy Coimbatore-6	531019	11/23/80	A+	Manager	15000
02	Ram	M	Nehru Nagar R.S Puram Coimbatore-7	2456086	3/3/76	B+	Junior Asst.	4000
03	Siva	M	Nehru Nagar Ganapathy Coimbatore-8	2216475	3/9/82	B+	Senior Asst.	6000
04	Raghu	M	K.K Pudur Saibaba Coimbatore-9	2445678	9/19/80	A+	Cashier	3000

69

Supplier Report:

GOKUL CAPACITORS
72-B,KATTABOMMAN St,
GANAPATHY,COIMBATORE-641006
FACT:2533310,2539001 FAX:0422-2536362

GOKUL
CAPACITOR

Date: 3/21/03

SUPPLIER REPORT

Scode	Name	Address1	Address2	Address3	Phone No
01	Ram	Lawely Road	R.S Puram	Coimbatore-8	2356097
02	Govind	Race Course	Race Course	Coimbatore-7	2216475
03	Siva	Nehru Nagar	Ganapathy	Coimbatore-9	2737432
04	Arun	K.P.G Nagar	Ganapathy	Coimbatore-6	2531219
05	Raja	R.S Puram	R.S Puram	Coimbatore-6	2789789

Item Report:

GOKUL CAPACITORS
72-B,KATTABOMMAN St,
GANAPATHY,COIMBATORE-641006
FACT:2533310,2539001 FAX:0422-2536362

GOKUL
CAPACITOR

ITEM REPORT

Date: 3/21/03

Igname	Icode	Iname	Iavstock	Isprice
Motor Start	11	40/60 mfd	56	67
Motor Start	12	60/80 mfd	45	56
Motor Start	13	80/100 mfd	43	45
Motor Start	14	200/250 mfd	46	75
Motor Capacitor	01	5.0 mfd 440	65	76
Motor Capacitor	02	10.0 mfd 440	50	40
Motor Capacitor	04	20.0 mfd 500	42	56

71

Sales Report

FROM:

| □ / 3 /03 ▼ |

TO:

| 3 /12/03 ▼ |

REPORT   EXIT

GOKUL CAPACITORS
72-B,KATTABOMMAN St,
GANAPATHY,COIMBATORE-641006
FACT:2533310,2539001 FAX:0422-2536362

GOKUL
CAPACITOR

SALES REPORT

Date: 06/03/2003

Invno	Date	Customer Name	Amount
1	3/11/03	Ashok	700
2	2/11/03	Raghu	515
3	3/12/03	Ram	775
4	1/13/03	Arun	375

TOTAL: **2365**

72

Factory Inward Report

FACTORY INWARD REPORT _ □ ×

FACTORY INWARD DETAILS

Specify The Date: 3 /13/03 ▼

REPORT   EXIT

GOKUL CAPACITORS
72-B,KATTABOMMAN St,
GANAPATHY,COIMBATORE-641006
FACT:2533310,2539001 FAX:0422-2536362

GOKUL
CAPACITOR

FACTORY INWARD REPORT   Date: 3/21/03

Rgname	Rname	Quantity	Date	Time
ZA MPP film	7 mic 50mm	0	3/13/03	9:17:55 AM
ZA MPP film	7 mic 50mm	3	3/13/03	1:26:16 PM
ZA MPP film	9 mic 75mm	5	3/13/03	1:26:38 PM
ZA MPP film	7 mic 50mm	5	3/13/03	11:36:55 AM
ZA MPP film	9 mic 75mm	5	3/13/03	10:39:42 AM
ZA MPP film	7 mic 50mm	12	3/13/03	11:13:26 AM

73

Purchase Report

GOKUL CAPACITORS
72-B,KATTABOMMAN St,
GANAPATHY,COIMBATORE-641006
FACT:2533310,2539001 FAX:0422-2536362

GOKUL
CAPACITOR

PURCHASE RETURN REPORT

Date: 3/20/03

Invno	Date	Sname	Rgcname	Rcname	Amt	Qty	Defect
1	2/3/03	Ram	PP Can	30*52mm	1512	36	defect
2	3/4/03	Govind	ZA MPP film	8 mic 37.5mm	1050	30	due to damage
1	3/13/03	Ram	Aluminium	40*97 mm	3150	75	defect
3	3/9/03	Arun	ZA MPP film	7 mic 50mm	225	5	due to damage