

**PLACEMENT MANAGEMENT SYSTEM**

**SUBMITTED BY**

**M.SARANYA (17PCC016)**

**Under the Guidance of**

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

**Master of Commerce with Computer Applications**

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**DEPARTMENT OF COMMERCE**

**AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND**

**HIGHER EDUCATION FOR WOMEN**

**COIMBATORE – 641043**

**CERTIFICATE**

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**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Ms. SARANYA.M (REG.NO:17PCC016)** **final** year **M.Com with Computer Applications** student of **AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND HIGHER EDUCATION FOR WOMEN, Coimbatore** has successfully completed her project work on the "**PLACEMENT MANAGEMENT SYSTEM**" in our concern from **December 2018 to April 2019**.

During this period we found her to be sincere in work and regular in her attendance (100%). We are certifying that her conduct and character has been found to be good.

**For KALAIVANI COACHING INSTITUTE**

**KALAIVANI COACHING INSTITUTE**

*[Handwritten Signature]*  
**Admin**



## CERTIFICATE

This is to certify that the project work entitled "**PLACEMENT MANAGEMENT SYSTEM**" submitted to Department of Commerce, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, in partial fulfillment of the requirements for the award of the **DEGREE OF MASTER OF COMMERCE WITH COMPUTER APPLICATIONS**, is the record of the original project work done by **M.SARANYA** during the period of the study, under my supervision and guidance.



Signature of the Dean



Signature of Head of the Department



Signature of the Guide

Submitted for the viva voce examination held on 30.04.2019

Internal Examiner


External Examiner

**DECLARATION**

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## DECLARATION

We hereby declare that this project work entitled "**PLACEMENT MANAGEMENT SYSTEM**" submitted to Department of commerce, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, in partial fulfillment of the requirements for the award of the **DEGREE OF MASTER OF COMMERCE WITH COMPUTER APPLICATIONS** is the record of original project work done by **M.SARANYA** during the period of study, under the supervision and guidance of **Mrs. D. SREEMATHI M.com (CA),MBA., M.Phil., (Ph.D)** Assistant Professor , Department of Commerce.

  
Signature of the Candidate

M.SARANYA

## **ACKNOWLEDGEMENT**

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## ACKNOWLEDGEMENT

First and Foremost, I thank the God Almighty who has been a power of strength towards the successful completion of the project work

I express my gratitude to our **Chancellor Padma Shri. Dr. P.R. Krishnakumar** of Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, for his support and kindness.

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I express my gratitude to our **Registrar Dr. (Mrs) S.Kowsalya., M.sc.,M.Phil.,Ph.D.,** Avinashilingam Institute for Home Science and Higher Education for Women, for providing all facilities necessary for the project.

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I take this opportunity to express my sincere thanks to my supervisor and guide **Mrs. D.SREEMATHI M.com(CA),MBA.,M.Phil.,(Ph.D)** Assistant Professor Department of Commerce for her valuable guidance and for her timely support, suggestions and motivation throughout the project.

Let yet importantly, I would like to thank all the partners in “**Kalavani Coaching Institute**” Coimbatore for the support throughout my endeavor and also I thank my parents, friends and well-wisher who have contributed directly or indirectly to the successful completion of the project.

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**ABSTRACT**

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## **ABSTRACT**

The project is aimed at developing an application for the “PLACEMENT MANAGEMENT SYSTEM” of the college. Placement Management System focuses on computerization of placement details. Communicating about the several job openings to the students, managing the placements as well other activities, monitoring the progress of the selection process and communicating with different users. Staff can see the registered students and their status. Provide a proper login & role based access to Admin, Staff and Students. The system is an application that can be accessed and effectively used throughout the organization with proper login enabled. This system can be used as an application for the Placement Officers in the institute to manage the student information with regard to placement. Student logging should be able to upload their personal and educational information. The key feature of this project is that it is one time registration enabled. Our project provides the facility of maintaining the details of the students. It reduces the manual work and consumes less paper work to reduce the time. This project is developed with VB.Net for frontend and MY SQL SERVER 2008 for backend.

## **CHAPTER 1**

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# **CHAPTER I**

## **1.INTRODUCTION**

### **1.1 OVERVIEW OF THE PROJECT**

The project is entitled as “Placement Management System” developed using Vb.Net as front end and SQL server as backend.

The main aim is to provide the information about placement in a proper way. It has different modules like student modules, company module, and admin module. By using this module placement officer can easily handle the management of information about student profile in which placement officer act as an admin module. This system provides a smart communication between institute and students. It also has databases which is a conventional way of managing student data. In different institute they used paper works for create database of student information which is time consuming process. All these problems are solved using online system. The purpose of the project placement management system is that the manual work makes the process slow and other problems such as inconsistency and ambiguity on operations. In order to avoid this placement management system is proposed, where the student information with regard to placement is managed efficiently. It intends to help in fast access procedures in placement related activities and ensures to maintain the details of the student. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. The administrator will create the users and the users will use the accounts created by administrator. When the user enters into his respective page he/she can update his/her details, and the details are to be approved by the administrator. Students logging should be able to upload their personal and educational information. The key feature of this project is that it is one time registration enabled. The job details of the placed students will be provided by the administrator. The administrator plays an important role in the project. The project provides the facility of maintaining the details of the students and gets the requested list of candidates for the company who would like to recruit the students based on given query.

## **1.2 ABOUT THE INSTITUTE**

Kalaivani Education Centre the most dynamic and transformational coaching process available anywhere for unlocking human potential, through the scientific process was established in the year 2008 by the founder Mr. R.Tamilselvan. He is a Post Graduate with a Bachelor degree in Education had immense interest in the teaching profession from the time of his school days . He completed his Graduation (B.Com) in Aringar Anna Government College, Seiyyar and completed his Post Graduation (M.Com) in Muthurangam Arts College, vellore. He got his B.Ed degree from Annamalai University, Chidambaram, like many of our graduates. Mr. R.Tamilselvan's knowledge and enthusiasm and great passion towards teaching extends well beyond the course curriculum, bringing personal experience and a geographical sensibility, right to the heart of the students to build up the interest and the confidence levels of each of the student of Kalaivani Education centre. Kalaivani Education Centre was started with the motive that "Education is one of our Nation's biggest Industries" as the word "educate" comes from the Latin educare, which means, "to draw out" the student into a wider world of knowledge. It is by stimulating a zest for learning in general that teachers can perform their greatest service to those in their care. Kalaivani Education Centre is one such Institute.

Kalaivani Education Centre in the first year started to coach +2 and University students with a handful of 50 and achieved 100% results in their exams successfully. Great teachers help create great students. In fact, the teachers and professors of Kalaivani Education Centre are an inspiring and by their mentoring and coaching process they are influencing student achievement.. Kalaivani centre for Social service was established and started to carry out the social services and welfare activities which earned over helmed welcome by the public apart from all the beneficiaries Kalaivani Coaching Centre providing classes for UPSC Exams Coaching classes, Bank Clerical Exam Coaching classes, and PSC Exam Coaching classes. Target section catered to Reasoning Ability, General awareness/ Financial awareness, Quantitative aptitude/ Numerical ability, English, Computer aptitude, Interview preparation.

## **CHAPTER II**

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## CHAPTER II

### 2. HARDWARE AND SOFTWARE REQUIREMENTS

#### 2.1 HARDWARE SPECIFICATION

System	:	HCL
Processor	:	Pentium IV
Processor Speed	:	2.80GHz
Main Storage	:	4GB RAM
Hard Disk Capacity	:	80GB
Keyboard	:	104 Keys
Mouse	:	Logitech
Monitor	:	Samsung 17" Color

#### 2.2 SOFTWARE SPECIFICATION

Operating System	:	Windows XP
Front end	:	Visual Basic.Net 2008
Back End	:	SQL Server 2008

#### ABOUT WINDOWS XP

Windows XP is a computer operating system and graphical user interface (GUI), which enables you to work with a wide variety of programs on your computer, often simultaneously. Windows XP is itself a special computer program that communicates your instructions to the actual computer hardware, and displays the results.

## **Key features of Windows XP are,**

### **Windows within Windows**

A Window refers to a rectangular area of the screen, within which you may view program folders and files, or display file contents such as documents, spreadsheets, and graphic images. A window can occupy part of the screen, can be maximized to fill the entire screen, or can be minimized so that it is no longer visible but remains active and is easily re-accessed.

### **The Desktop**

The Desktop gives you access to everything you need in Windows XP. It occupies the entire screen, and unlike a window, it can't be reduced in size. The desktop consists of a colored or patterned background, containing small pictures called Icons that represent programs or data stores. Double-clicking on an icon opens the corresponding program or file inside a window.

### **The Taskbar**

The Taskbar lies across the bottom edge of your screen. The Start button on the left provides access to all the programs, data files, and other features available on your computer. When you open a program or file, a corresponding rectangular icon will be displayed on your taskbar - even if the program has been minimized and is no longer visible on your screen. To access that program, you just need to click its icon on the taskbar.

### **The Start Menu**

When you click on the Start button, a set of menu options is displayed. The contents will vary depending on your computer setup and most frequently accessed programs. If you click on the All Programs option, you'll see a list of all the programs installed on your computer - even those that don't have icons on the desktop. Press the [ESC] (escape) key to close the menu.

## **ABOUT VISUAL BASIC .NET**

Visual Basic .NET (VB.NET) is an object-oriented computer programming language implemented on the .NET Framework. Although it is an evolution of classic Visual Basic language, it is not backwards-compatible with VB6, and any code written in the old version does not compile under VB.NET. Like all other .NET languages, VB.NET has complete support for object-oriented concepts. Everything in VB.NET is an object, including all of the primitive types (Short, Integer, Long, String, Boolean, etc.) and user-defined types, events, and even assemblies. All objects inherits from the base class Object.VB.NET is implemented by Microsoft.NET framework. Therefore, it has full access to all the libraries in the .Net Framework. Its also possible to run VB.NET programs on Mono, the open-source alternative to .NET, not only under Windows, but even Linux or Mac OSX.

## **FEATURES OF VB.NET**

- Boolean Conditions
- Automatic Garbage Collection
- Standard Library
- Assembly Versioning
- Properties and Events
- Delegates and Events Management
- Easy-to-use Generics
- Indexers
- Conditional Compilation
- Simple Multithreading

## **The .Net Framework**

The .Net framework is a revolutionary platform that helps you to write the following types of applications such as,

- Windows applications
- Web applications
- Web services

The .Net framework applications are multi-platform applications. The framework has been designed in such a way that it can be used from any of the following languages such as,

- Visual Basic
- C#
- C++
- Jscript and
- COBOL etc

All these languages can access the framework as well as communicate with each other. The .Net framework consists of an enormous library of codes used by the client languages like VB.Net. These languages use object-oriented methodology.

### **Following are some of the components of the .Net framework**

- Common Language Runtime (CLR)
- The .Net Framework Class Library
- Common Language Specification
- Common Type System
- Metadata and Assemblies
- Windows Forms
- ADO.Net

## **Microsoft provides the following development tools for VB.Net programming –**

- Visual Studio 2010 (VS)
- Visual Basic 2010 Express (VBE)
- Visual Web Developer

The Visual Basic 2010 Express (VBE) and Visual Web Developer tools are used free. Using these tools, you can write all kinds of VB.Net programs from simple command-line applications to more complex applications. Visual Basic Express and Visual Web Developer Express edition are trimmed down versions of Visual Studio and has the same look and feel. They retain most features of Visual Studio.

## **A VB.Net program basically consists of the following parts –**

- Namespace declaration
- A class or module
- One or more procedures
- Variables
- The Main procedure
- Statements & Expressions
- Comments

## **MY SQL SERVER**

Microsoft SQL Server is a Relational Database Management System (RDBMS) designed to run on platforms ranging from laptops to large multiprocessor servers. SQL Server is commonly used as the backend system for websites and corporate CRMs and can support thousands of concurrent users. SQL Server comes with a number of tools to help you with your database administration and programming tasks.

SQL Server is much more robust and scalable than a desktop database management system such as Microsoft Access. Anyone who has ever tried using Access as a backend to a website will probably be familiar with the errors that were generated when too many users tried to access the database. Although SQL Server can also be run as a desktop database system, it is most commonly used as a server database system.

## **Server Database Systems**

Server based database systems are designed to run on a central server, so that multiple users can access the same data simultaneously. The users normally access the database through an application. Generally, it's the application that provides the functionality to these visitors. It is the database that stores the data and makes it available. The SQL Server does include some useful features that can assist the application in providing its functionality.

## **SQL SERVER SECURITY**

- Login Authentication.
- Windows NT Authentication.
- SQL Server Authentication
- Permissions validation on user database.
- T-SQL statements sent to SQL server.

## **FEATURES OF SQL SERVER**

- Created by Microsoft and Sybase in the 80s.
- Is SQL Compliant - Uses ANSI SQL
- Supports SQL – 92 standards - Uses T-SQL
- Stores data in a central location and delivers it to clients on request
- New Server Architecture

- Graphic Administration Tools
- Maintains ANSI standards and 6.x Compatibility
- Data integrity means reliability and accuracy of data.
- Integrity rules keep data consistent.
- Supports Client/Server model.
- Request response dialog.
- Workload is split between the client and the server.
- Operating System compatibility.
- Runs on Win 95/98 NT, Netware, UNIX, OS/2, Appletalk, Banyan VINES.
- SQL Server must have Service Pack 4 (SP4) to run on Windows NT 4.0.
- Multiple protocol compatibility.
- SQL Server supports these protocols - AppleTalk, TCP/IP.
- SMP Compatibility and Scalability
- Supports multiple processors. SMP leads to scalability.

## **CHAPTER III**

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## **CHAPTER III**

### **3. SYSTEM ANALYSIS**

System analysis is a process of gathering and interpreting facts, diagnosing problems and the information to recommend improvements on the system. It is a problem solving activity that requires intensive communication between the system users and system developers. System analysis or study is an important phase of any system development process. The system is studied to the minutest detail and analyzed. The system analyst plays the role of the interrogator and dwells deep into the working of the present system. The system is viewed as a whole and the input to the system are identified. The outputs from the organizations are traced to the various processes. System analysis is concerned with becoming aware of the problem, identifying the relevant and decisional variables, analyzing and synthesizing the various factors and determining an optimal or at least a satisfactory solution or program of action.

A detailed study of the process must be made by various techniques like interviews, questionnaires etc. The data collected by these sources must be scrutinized to arrive to a conclusion. The conclusion is an understanding of how the system functions. This system is called the existing system. Now the existing system is subjected to close study and problem areas are identified. The designer now functions as a problem solver and tries to sort out the difficulties that the enterprise faces. The solutions are given as proposals. The proposal is then weighed with the existing system analytically and the best one is selected. The proposal is presented to the user for an endorsement by the user. The proposal is reviewed on user request and suitable changes are made. This is loop that ends as soon as the user is satisfied with proposal. Preliminary study is the process of gathering and interpreting facts, using the information for further studies on the system. Preliminary study is problem solving activity that requires intensive communication between the system users and system developers.

### **3.1 EXISTING SYSTEM**

The existing system describes the features of the previous working model and their drawback. Existing system does all process manually. Placement officers register the information of students. If any modifications or updates are required in the profile of any student, it has to be done manually. This is tedious and time consuming, lack of security of data, took more man power, and consumes large volume of paper and space. This process is so difficult when number of user's increases.

### **DRAWBACKS OF THE SYSTEM**

1. It takes so much time for a placement officer to collect students' details and approving the details provided by them.
2. Poor communication between students and placement officer, so here intimating about new placements is a hard task.
3. Candidate may not get required information if concerned officer is not at the desk.

### **3.2 PROPOSED SYSTEM**

The aim of the proposed system is to develop a system with improved facilities. The proposed system can overcome all the limitation of the existing system, such as student's information is maintained in the database, it gives more security to data, ensures data accuracy, reduces paper work and save time, only eligible students get chance, it makes information flow efficient and paves way for easy report generation, reduce the space. Proposed system is cost effective.

### **ADVANTAGES**

- The proposed system is automated that is faster than the existing manually maintained system and can handle data easily.
- Computerized of the details of the members and placement operations.
- The system allows the administrator to control all the activities hence identifying the roles and accessibility of other users.

- Accurate information can be generated easily and quickly at different levels.
- Report can be generated easily and quickly.

### **3.3 FEASIBILITY STUDY**

An important outcome of the preliminary investigation is the determination that the system requested is feasible. Feasibility study is carried out to select the best system that meets the performance requirements. Feasibility study is both necessary and prudent to evaluate the feasibility of the project at the earliest possible time. It involves preliminary investigation of the project and examines whether the designed system will be useful to the organization. Months or years of effort, thousand for millions of money and untold professional embarrassment can be averted if an in-conceived system is recognized early in the definition phase.

The different types of feasibility are:

- **Technical feasibility**
- **Operational feasibility**
- **Economical feasibility**

#### **3.3.1 Technical Feasibility**

Technical Feasibility deals with the hardware as well as software requirements. Technology is not a constraint to type system development. We have to find out whether the necessary technology, the proposed equipments have the capacity to hold the data, which is used in the project, should be checked to carry out this technical feasibility. The technical feasibility issues usually raised during the feasibility stage of investigation includes these

- This software is running in windows 2000 Operating System, which can be easily installed.

- The hardware required is Pentium based server.
- The system can be expanded.

### **3.3.2 Operational Feasibility**

Operational feasibility assesses the extent to which the required software performs a series of steps to solve business problems and user requirements. This feasibility is dependent on human resources (software development team) and involves visualizing whether the software will operate after it is developed and be operative once it is installed

### **3.3.3 Economic Feasibility**

Economical Feasibility deals about the economical impact faced by the organization to implement a new system. Financial benefits must equal or exceed the costs. The cost of conducting a full system, including software and hardware cost for the class of application being considered should be evaluated. Economic Feasibility in this project:

- The cost to conduct a full system investigation is possible.
- There is no additional manpower requirement.
- There is no additional cost involved in maintaining the proposed system.

## **CHAPTER IV**

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## **CHAPTER IV**

### **4. SYSTEM DESIGN AND DEVELOPMENT**

#### **4.1 INTRODUCTION**

System Design is the most creative and challenging phase in the system life cycle. Design is the first step into the development phase for any engineered product or system. Design is a creative process. A good design is the key to effective system. System design is a solution how to approach the creation of a new system. System design transforms a logic representation of what is required to do into the physical specification. The specification is converted into physical reality during development.

#### **4.2 LOGICAL DESIGN**

The logical flow of a system and define the boundaries of a system. It includes the following steps:

- Reviews the current physical system – its data flows, file content, volumes, frequencies etc.
- Prepares output specifications – that is, determines the format, content and Frequency of reports.
- Prepares input specifications – format, content and most of the input functions.
- Prepares edit, security and control specifications.
- Specifies the implementation plan.
- Prepares a logical design walk through of the information flow, output, input, controls and implementation plan.
- Reviews benefits, costs, target dates and system constraints.

### **4.3 PHYSICAL DESIGN**

Physical system produces the working systems by define the design specifications that tell the programmers exactly what the candidate system must do. It includes the following steps.

- Design the physical system.
- Specify input and output media.
- Design the database and specify backup procedures.
- Design physical information flow through the system and a physical design Walk through.
- Plan system implementation.
- Prepare a conversion schedule and target date.
- Determine training procedures, courses and timetable.
- Devise a test and implementation plan and specify any new hardware/software.
- Update benefits , costs , conversion date and system constraints

### **DESIGN/SPECIFICATION ACTIVITIES**

- Concept formulation.
- Problem understanding.
- High level requirements proposals.
- Feasibility study.
- Requirements engineering.
- Architectural design.

## **4.4 INPUT DESIGN**

Input Design deals with what data should be given as input, how the data should be arranged or code, the dialog to guide the operating personnel in providing input, methods for preparing input validations and steps to follow when error occur. Input

Design is the process of converting a user-oriented description of the input into a computer-based system. This design is important to avoid errors in the data input process and show the correct direction to the management for getting correct information from the computerized system. It is achieved by creating user-friendly screens for the data entry to handle large volume of data. The goal of designing input is to make data entry easier and to be free from errors. The data entry screen is designed in such a way that all the data manipulates can be performed. It also provides record viewing facilities.

When the data is entered it will check for its validity. Data can be entered with the help of screens. Appropriate messages are provided as when needed so that the user will not be in maize of instant. Thus the objective of input design is to create an input layout that is easy to follow.

## **4.5 OUTPUT DESIGN**

A quality output is one, which meets the requirements of the end user and presents the information clearly. The objective of output design is to convey information about past activities, current status or projections of the future, signal important events, opportunities, problems, or warnings, trigger an action, confirm an action etc. Efficient, intelligible output design should improve the system's relationship with the user and helps in decisions making. In output design the emphasis is on displaying the output on a CRT screen in a predefined format.

The primary consideration in design of output is the information requirement and objectives of the end users. The major formation of the output is to convey the information and so its layout and design need a careful consideration.

There is an output display screen for showing the compressed/ decompressed file or folder details (Original file size, Compressed/Decompressed file size, distinct characters.

## **4.6 DATA FLOW DIAGRAM**

The first step is to draw a Data Flow Diagram (DFD). The DFD was first developed by Larry Constantine as a way of expressing system requirements in graphical form.

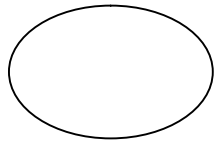
A DFD also known as a “bubble chart” has the purpose of clarifying system requirements and identifying major transformations that will become programs in system design. So, it is the starting point of the design phase that functionally decomposes the requirements specifications down to the lowest level of detail. A DFD consists of series of bubbles join by the data flows in the system.

The purpose of data flow diagrams is to provide a semantic bridge between users and systems developers. The diagrams are:

- Graphical, eliminating thousands of words;
- Logical representations, modeling what a system does, rather than physical models showing.
- Hierarchical, showing systems at any level of detail; and
- Jargon less, allowing user understanding and reviewing.

The goal of data flow diagramming is to have a commonly understood model of a system. The diagrams are the basis of structured systems analysis. Data flow diagrams are supported by other techniques of structured systems analysis such as data structure diagrams, data dictionaries, and procedure-representing techniques such as decision tables, decision trees, and structured English.

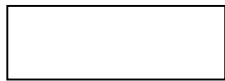
The symbols appearing in the DFD has been explained below:



- Represents a process



- Which shows data flow

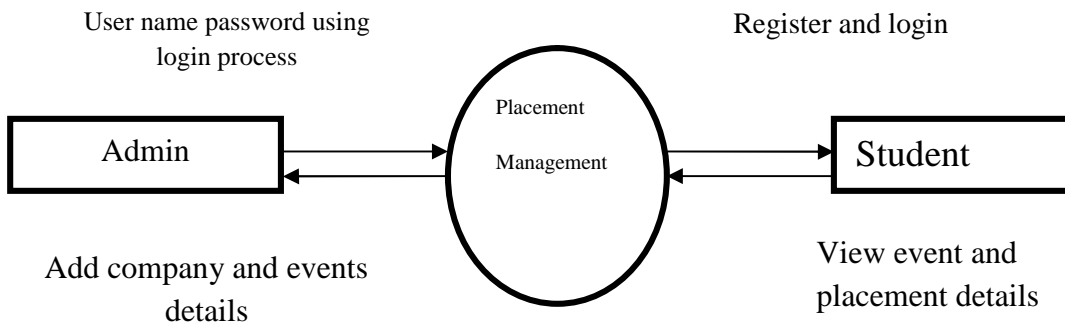


- Designation of the data

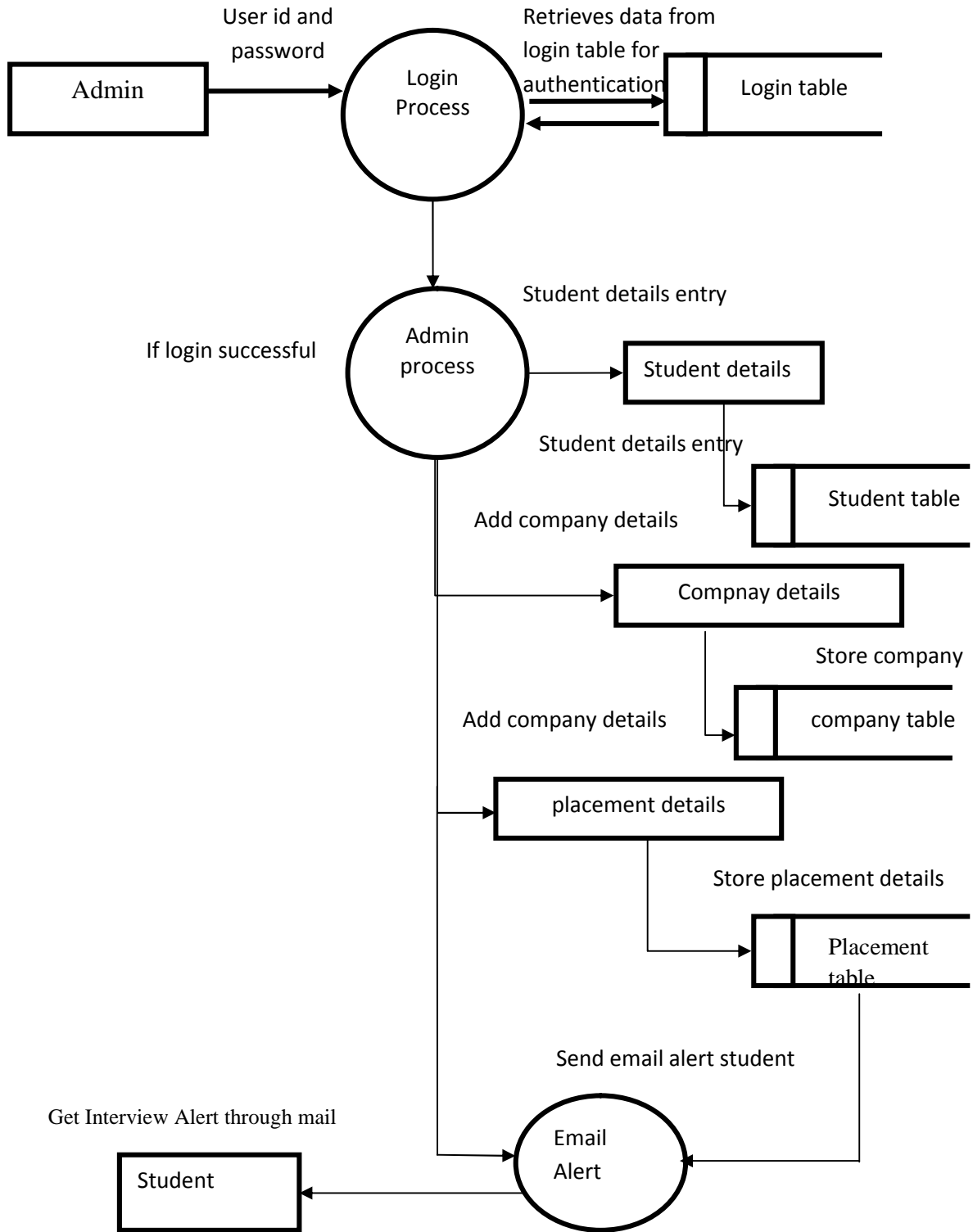


- Shows Data source

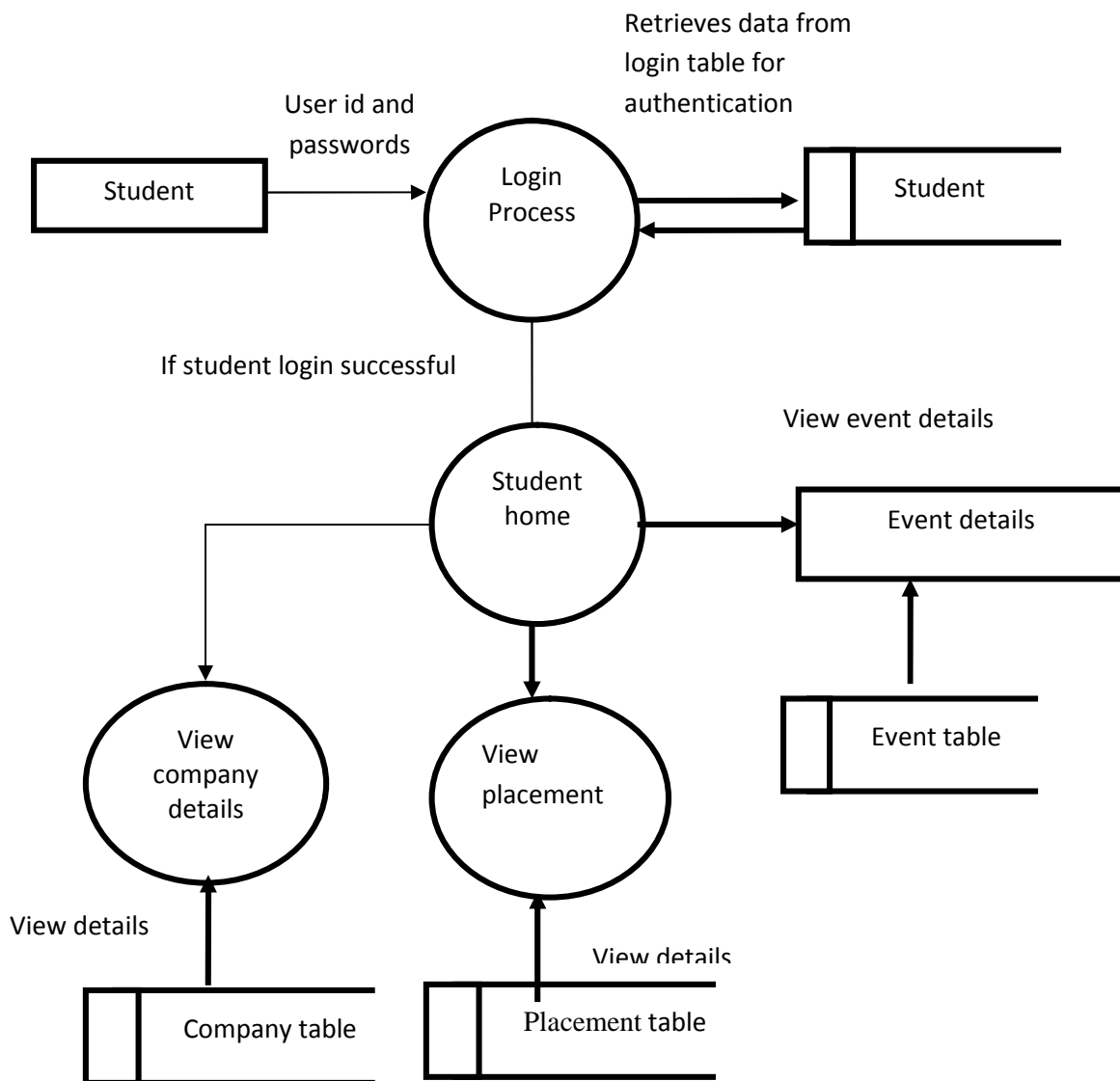
### Level-0



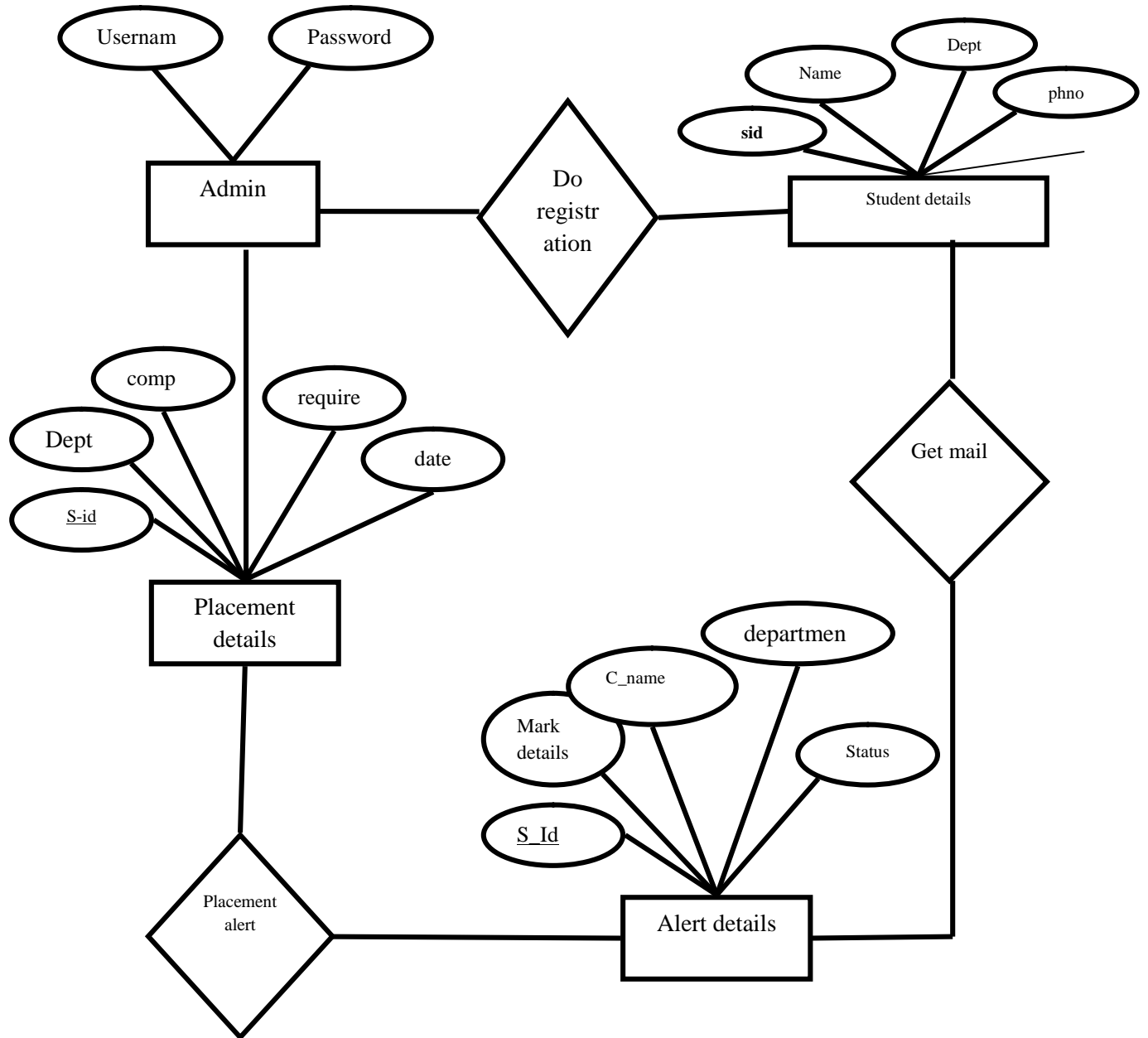
**Level-1**



## Level 2



# ER DIAGRAM



## 4.7 TABLE DESIGN

### Login Table

Field Name	Data type	Constraints	Description
Username	varchar(10)	Not Null	Username of the admin
Password	varchar(10)	Not Null	Password information

### Student Register Table

Fields	Data Type	Constraints	Description
Reg_No	Varchar(20)	Not Null	Student Roll no
Sname	Varchar(20)	Not Null	Student Name
DOB	Date	Not Null	Student date of birth details
Degree	Varchar(30)	Not Null	Degree info
Password	Varchar(20)	Not Null	Password information
Parent_no	Numeric	Not Null	Parentmobile number
Parent_name	Varchar(25)	Not Null	Parent name
Mobile	Varchar(20)	Not Null	Contact info
Mail	Varchar(20)	Null	Mail id of student
10 <sup>th</sup> mark	Varchar(20)	Not Null	10 <sup>th</sup> mark
12 <sup>th</sup> mark	Varchar(20)	Not Null	12 <sup>th</sup> mark
SemesterPercentage	Varchar(20)	Not Null	Semester Percentage

## Event Table

Column Name	Data type	constraints	Description
event_Id	Int	Not Null	Event id
Event Name	Varchar	Not Null	Event name
Event type	Varchar	Null	Event type
Description	Varchar	Not Null	Description about event
Lastdate	Date	Not Null	Last date for registration
Participants	Varchar	Not Null	Who can participate(whole class, department)
Venue	Varchar	Not Null	Venue
Datetime	Datetime	Not Null	Event date and time

### Placement info table

<b>Fields</b>	<b>Data Type</b>	<b>constraints</b>	<b>Description</b>
C_Id	Varchar(20)	Not Null	Company Id
Cname	Varchar(20)	Not Null	Company Name
Dept	Varchar(30)	Null	Department
C_Type	Varchar(30)	Not Null	Company information
Date	Date	Not Null	Date of placement
Post	Varchar	Null	Posting information
Salary	Varchar	Null	Salary
Eligibility	Varchar	Null	Eligibility to attend interview
Job location	Varchar	Null	Job location
Venue	Varchar	Not Null	Interview venue
Interview_process	Varchar	Not Null	Interview selection process details

## Staff info table

**Primary Key:** S\_Id

Fields	Data Type	constraints	Description
S_Id	Varchar(20)	Not Null	Staff Id
Sname	Varchar(20)	Not Null	Staff Name
Gender	Varchar(30)	Null	Gender
Department	Varchar(30)	Not Null	Dept name
Qualification	Varchar(30)	Not Null	qualification
Designation	Varchar	Null	designation
Subjecttaken	Varchar	Null	subject
Contactno	Integer	Null	Contact number
Emailed	Varchar	Null	emailid

## 4.8 CODE DESIGN

Code is an ordered collection of symbols designed to provide unique identification of an attribute. Codes can be used for various purposes. They can specify object's physical or performance characteristics and they can be used to give operational instructions. They also can show inter relationships and may sometimes used to achieve secrecy or confidentiality. Codes are designed for optimum human-oriented use and machine efficiency. Codes possess uniqueness, expandability, conciseness, uniform nets, simplicity, versatility, sort ability, meaningfulness and operability. Sufficient effort and time is spent in the preliminary study of the problem to design an efficient code.

Activate serve scripting is object oriented. The source code is designed so that it can do transaction efficiently. It is the code that dose all the updating, modifications, etc. for all object used in the project there exist an associated source code, which explains the work of that object. It also describes the flow of the project. Source code is enhanced by structured coding techniques by good internal comments and features provided by the language. The code design in this project is made modular. The modular behavior enables easy debugging and testing. Inserting comment statement wherever enhances the coding. This is done during the documentation process coding is done in such a way that errors can be trapped easily. Also modifications can easily be appended due to the codes modular behavior

## **SAMPLE CODE**

### **LOGIN**

```
Imports System.Data.SqlClient
Public Class Login1
Inherits System.Web.UI.Page
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
End Sub
Dim cin As New SqlConnection("Data Source=.;Initial Catalog=StudentIntimation;Integrated
Security=True")
Protected Sub btnSubmit_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
btnSubmit.Click
Session("uid") = txtUsername.Text
If (txtUsername.Text = "Admin") And (txtPassword.Text = "Admin") And
(DropDownList1.Text = "Admin") Then
Response.Redirect("Adminhome.aspx")
ElseIf (DropDownList1.Text = "Student") Then
cin.Open()
```

```

Dim cmd As New SqlCommand("select Reg_no,Password from student where Reg_No=" +
txtUsername.Text + " and Password=" + txtPassword.Text + """, cin)
Dim drd As SqlDataReader
drd = cmd.ExecuteReader()
If (drd.Read()) Then
Session("uid") = txtUsername.Text
'DropDownList1.Items.Add(drd(0).ToString())
Response.Redirect("stuhome.aspx")
cin.Close()
Else
Response.Write("<script>alert('Login Failed')</script>")
End If
ElseIf (DropDownList1.Text = "Staff") Then
cin.Open()
Dim cmd As New SqlCommand("select Sname,password from staff where Sname=" +
txtUsername.Text + " and Password=" + txtPassword.Text + """, cin)
Dim drd As SqlDataReader
drd = cmd.ExecuteReader()
If (drd.Read()) Then
Session("uid") = txtUsername.Text
Response.Redirect("staffhome.aspx")
' DropDownList1.Items.Add(drd(0).ToString())
Else
Response.Write("<script>alert('Login Failed')</script>")
End If
cin.Close()
Else
' Response.Write("<script>alert('Login Failed')</script>")
End If

```

End Sub

End Class

## **ADMIN HOME**

Public Class Adminhome

Inherits System.Web.UI.Page

## **STAFF DETAILS ENTRY:**

Imports System.Net.Mail

Imports System.Net

Imports System.IO

Public Class staffentry

Inherits System.Web.UI.Page

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load

End Sub

Protected Sub btnSubmit\_Click(ByVal sender As Object, ByVal e As EventArgs) Handles btnSubmit.Click

Module1.connect()

perform\_operation("insert into Staff values ('" + txtuid.Text + "','" + txtName.Text + "','" + txtgender.Text + "','" + ddlmode.Text + "','" + txtdob.Text + "','" + ddlmode0.Text + "','" + txtPassword.Text + "','" + txtpphone.Text + "','" + txtpname.Text + "','" + txtmobile.Text + "','" + txtemail.Text + "')", "insert")

Try

sms("Hi :'" + txtName.Text + "', your Usreid is:'" + txtuid.Text + "' and your password is:'" + txtPassword.Text + "' for login... ", txtmobile.Text)

email()

Catch ex As Exception

End Try

Response.Write("<script>alert('Staff details Entered successfully')</script>")

End Sub

```

Private Sub sms(ByVal content, ByVal phone)
Try
Dim strUrl As String
strUrl =
"http://api.mVaayoo.com/mvaayooapi/MessageCompose?user=selva.tamil84@gmail.com:smsdu
mp&senderID=TEST SMS&recepientno=" + phone + "&msgtxt= " + content + "&state=4"
Dim request As WebRequest
request = HttpWebRequest.Create(strUrl)
Dim response As HttpWebResponse
response = request.GetResponse()
Dim s As Stream
s = response.GetResponseStream()
Dim readStream As StreamReader
readStream = New StreamReader(s)
Dim dataString As String
dataString = readStream.ReadToEnd()
response.Close()
s.Close()
readStream.Close()
Catch ex As Exception
End Try
End Sub

Private Sub email()
Dim smtpserver As New SmtplibClient
Dim mail As New MailMessage()
smtpserver.Credentials = New Net.NetworkCredential("mywebapplication123@gmail.com",
"my1web2app3")
smtpserver.Port = 587
smtpserver.Host = "smtp.gmail.com"

```

```

mail = New MailMessage()
mail.From = New MailAddress("mywebapplication123@gmail.com")
mail.To.Add(txtemail.Text)
mail.Subject = "Mail from srcwc"
mail.Body = "Mail from students information portal..Your Credential details.."
mail.Body = "Hi :'" + txtName.Text + "', your Usreid is:'" + txtuid.Text + "' and your password
is:'" + txtPassword.Text + "' for login... "
smtpserver.EnableSsl = True
smtpserver.Send(mail)
' MsgBox("Stock Alert Mail Send to Admin Successfully")
End Sub
Protected Sub Male_CheckedChanged(ByVal sender As Object, ByVal e As EventArgs)
Handles Male.CheckedChanged
txtgender.Text = "Male"
End Sub
Protected Sub Female_CheckedChanged(ByVal sender As Object, ByVal e As EventArgs)
Handles Female.CheckedChanged
txtgender.Text = "Female"
End Sub
End Class
Protected Sub GridView1_SelectedIndexChanged(ByVal sender As Object, ByVal e As
EventArgs) Handles GridView1.SelectedIndexChanged
End Sub
End Class

```

## **PLACEMENT DETAILS**

```

Imports System.Net.Mail
Imports System.Net
Imports System.Web
Imports System.IO

```

Imports System.Data.SqlClient

Public Class placement

Inherits System.Web.UI.Page

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles

Me.Load

End Sub

Protected Sub btnSubmit\_Click(ByVal sender As Object, ByVal e As EventArgs) Handles

btnSubmit.Click

Module1.connect()

perform\_operation("insert into placement values (" + txtuid.Text + "," + txtName.Text + "," +  
ddlmode.Text + "," + txtdob.Text + "," + ddlmode0.Text + "," + TextBox1.Text + "," +  
TextBox2.Text + "," + TextBox3.Text + "," + TextBox4.Text + "," + TextBox5.Text + "," +  
TextBox6.Text + ")", "insert")

Try

Dim phone As String

' phone = FETCH\_INDIVIDUAL\_INFO("select mobile,email from student where dept=" +  
ddlmode.Text + "").ToString()

con.Close()

con.Open()

Dim cmd As SqlCommand

cmd = New SqlCommand("select mobile,sname from student where dept=" + ddlmode.Text + "  
", con)

Dim dr As SqlDataReader

dr = cmd.ExecuteReader()

While (dr.Read())

()

Dim msg As String

Try

```

msg = "Hi,Student Placement Company Name" + txtName.Text + " job posting is " +
TextBox1.Text + ".job location " + TextBox3.Text + ",Venu " + TextBox4.Text + " "
sms(msg, dr(0).ToString())
Catch ex As Exception
End Try
End While
con.Close()
Catch ex As Exception
End Try
Response.Write("<script>alert('Placement details Entered successfully')</script>")
Response.Redirect("Adminhome.aspx", False)
End Sub
Private Sub sms(ByVal content, ByVal phone)
Try
Dim strUrl As String
strUrl =
"http://api.mVaayoo.com/mvaayooapi/MessageCompose?user=seattlecbe4@gmail.com:smsdum
p&senderID=TEST SMS&receipientno=" + phone + "&msgtxt= " + content + "&state=4"
Dim request As WebRequest
request = HttpWebRequest.Create(strUrl)
Dim response As HttpWebResponse
response = request.GetResponse()
Dim s As Stream
s = response.GetResponseStream()
Dim readStream As StreamReader
readStream = New StreamReader(s)
Dim dataString As String
dataString = readStream.ReadToEnd()
response.Close()

```

```

s.Close()
readStream.Close()
Catch ex As Exception
End Try
End Sub
Private Sub email(ByRef smail, ByRef msg)
'Dim smtpserver As New SmtplibClient
'Dim mail As New MailMessage()
'smtpserver.Credentials = New Net.NetworkCredential("mywebapplication123@gmail.com",
"my1web2app3")
'smtpserver.Port = 587
'smtpserver.Host = "smtp.gmail.com"
'mail = New MailMessage()
'mail.From = New MailAddress("mywebapplication123@gmail.com")
'mail.To.Add(smail)
'mail.Subject = "Placement Alert.."
'mail.Body = "Mail from PSG College..Placement details.."
'mail.Body = msg
'smtpserver.EnableSsl = True
'smtpserver.Send(mail)
End Sub
End Class

```

## **EVENTS**

```

Imports System.Net.Mail
Imports System.Data.SqlClient
Imports System.Net
Imports System.IO

```

Public Class events

Inherits System.Web.UI.Page

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles

Me.Load

End Sub

Protected Sub btnSubmit\_Click(ByVal sender As Object, ByVal e As EventArgs) Handles

btnSubmit.Click

Module1.connect()

perform\_operation("insert into event\_table values (" + txtuid.Text + "," + txtName.Text + "," +  
ddlmode.Text + "," + TextBox1.Text + "," + txtdob.Text + "," + ddlmode0.Text + "," +  
txtpphone.Text + "," + txtpname.Text + "," + txtmobile.Text + ")", "insert")

con.Close()

con.Open()

Dim cmd As SqlCommand

cmd = New SqlCommand("select mobile,sname from student ", con)

Dim dr As SqlDataReader

dr = cmd.ExecuteReader()

While (dr.Read())

Try

Dim msg As String

msg = "Hi : Event " + txtName.Text + ", is Scheduled on:" + txtpname.Text + " and the last  
date for registration" + txtdob.Text + " "

sms(msg, dr(0).ToString())

Catch ex As Exception

End Try

Try

'email(dr(1).ToString())

Catch ex As Exception

End Try

```

End While
con.Close()
Response.Write("<script>alert('Event details Entered successfully')</script>")
End Sub
Private Sub email(ByVal email)
Dim smtpserver As New SmtpClient
Dim mail As New MailMessage()
smtpserver.Credentials = New Net.NetworkCredential("mywebapplication123@gmail.com",
"my1web2app3")
smtpserver.Port = 587
smtpserver.Host = "smtp.gmail.com"
mail = New MailMessage()
mail.From = New MailAddress("mywebapplication123@gmail.com")
mail.To.Add(email)
mail.Subject = "CREDENTIAL MAIL"
mail.Body = "Mail from PSG College..Credential details.."
mail.Body = "Hi : Event '" + txtName.Text + "', is Scheduled on:'" + txtName.Text + "' and the
last date for registration" + txtdob.Text + " "
smtpserver.EnableSsl = True
smtpserver.Send(mail)
MsgBox("Alert Mail Send to Admin Successfully")
End Sub
Private Sub sms(ByVal content, ByVal phone)
Try
Dim strUrl As String
strUrl =
"http://api.mVaayoo.com/mvaayooapi/MessageCompose?user=seattlecbe4@gmail.com:smsdum
p&senderID=TEST SMS&receptientno=" + phone + "&msgtxt=" + content + "&state=4"
Dim request As WebRequest

```

```

request = HttpWebRequest.Create(strUrl)
Dim response As HttpWebResponse
response = request.GetResponse()
Dim s As Stream
s = response.GetResponseStream()
Dim readStream As StreamReader
readStream = New StreamReader(s)
Dim dataString As String
dataString = readStream.ReadToEnd()
response.Close()
s.Close()
readStream.Close()
Catch ex As Exception
End Try
End Sub
Protected Sub txtpname_TextChanged(ByVal sender As Object, ByVal e As EventArgs)
Handles txtpname.TextChanged
End Sub
End Class

```

## **FILTRATION**

```

Imports System.Data.SqlClient
Public Class Filtration
Inherits System.Web.UI.Page
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
Module1.connect()

```

```

Dim da As New SqlDataAdapter("SELECT * FROM placement where Dept='" + ddlmode.Text
+ "' ", con)
Dim ds As New DataSet
da.Fill(ds)
GridView1.DataSource = ds.Tables(0)
GridView1.DataBind()
End Sub
End Class

```

## **REPORT**

```

Imports System.Data.SqlClient
Public Class reports1
Inherits System.Web.UI.Page
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
End Sub
Protected Sub GridView1_SelectedIndexChanged(ByVal sender As Object, ByVal e As
EventArgs) Handles GridView1.SelectedIndexChanged
End Sub
Protected Sub Button1_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
Button1.Click
Module1.connect()
Dim da As New SqlDataAdapter("SELECT * FROM STUDENT", con)
Dim ds As New DataSet
da.Fill(ds)
GridView1.DataSource = ds.Tables(0)
GridView1.DataBind()
End Sub

```

Protected Sub Button2\_Click(ByVal sender As Object, ByVal e As EventArgs) Handles  
Button2.Click

Module1.connect()

Dim da As New SqlDataAdapter("SELECT \* FROM staff", con)

Dim ds As New DataSet

da.Fill(ds)

GridView1.DataSource = ds.Tables(0)

GridView1.DataBind()

End Sub

Protected Sub Button3\_Click(ByVal sender As Object, ByVal e As EventArgs) Handles  
Button3.Click

Module1.connect()

Dim da As New SqlDataAdapter("SELECT \* FROM placement", con)

Dim ds As New DataSet

da.Fill(ds)

GridView1.DataSource = ds.Tables(0)

GridView1.DataBind()

End Sub

Protected Sub Button4\_Click(ByVal sender As Object, ByVal e As EventArgs) Handles  
Button4.Click

Module1.connect()

Dim da As New SqlDataAdapter("SELECT \* FROM student\_mark", con)

Dim ds As New DataSet

da.Fill(ds)

GridView1.DataSource = ds.Tables(0)

GridView1.DataBind()

End Sub

Protected Sub btn5\_Click(ByVal sender As Object, ByVal e As EventArgs) Handles btn5.Click

Module1.connect()

```

Dim da As New SqlDataAdapter("SELECT * FROM Internship", con)
Dim ds As New DataSet
da.Fill(ds)
GridView1.DataSource = ds.Tables(0)
GridView1.DataBind()
End Sub

Protected Sub btn6_Click(ByVal sender As Object, ByVal e As EventArgs) Handles btn6.Click
Module1.connect()
Dim da As New SqlDataAdapter("SELECT * FROM event_table", con)
Dim ds As New DataSet
da.Fill(ds)
GridView1.DataSource = ds.Tables(0)
GridView1.DataBind()
End Sub
End Class

```

## **NEW USER REGISTRATION**

```

Imports System.Net.Mail
Imports System.Net
Imports System.IO
Imports System.Data.SqlClient
Public Class newuser
Inherits System.Web.UI.Page
Dim msg As String
Dim con As New SqlConnection("Data Source=.;Initial Catalog=StudentIntimation;Integrated
Security=True")
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
End Sub

```

Protected Sub btnSubmit\_Click(ByVal sender As Object, ByVal e As EventArgs) Handles  
btnSubmit.Click

Module1.connect()

perform\_operation("insert into student values (" + txtuid.Text + "," + txtName.Text + "," +  
ddlmode.Text + "," + txtdob.Text + "," + ddlmode0.Text + "," + txtPassword.Text + "," +  
txtpphone.Text + "," + txtpname.Text + "," + txtmobile.Text + "," + txtemail.Text + "," +  
TextBox1.Text + "," + TextBox2.Text + "," + TextBox3.Text + ")", "insert")

Try

con.Close()

con.Open()

Dim cmd As SqlCommand

cmd = New SqlCommand("select Mobile,sname from student where Reg\_No=" + txtuid.Text +  
" ", con)

Dim dr As SqlDataReader

dr = cmd.ExecuteReader()

While (dr.Read())

Try

Dim msg As String

msg = "Hi " + dr(1).ToString() + " Admin Added you:" + txtName.Text + "in the Website "

sms(msg, dr(0).ToString())

Catch ex As Exception

End Try

email()

End While

con.Close()

Catch ex As Exception

End Try

Response.Write("<script>alert('Student details Entered successfully')</script>")

End Sub

Private Sub email()

```

'Dim smtpserver As New Smtplib.SmtpClient
'Dim mail As New MailMessage()
'smtpserver.Credentials = New Net.NetworkCredential("mywebapplication123@gmail.com",
"my1web2app3")
'smtpserver.Port = 587
'smtpserver.Host = "smtp.gmail.com"
'mail = New MailMessage()
'mail.From = New MailAddress("mywebapplication123@gmail.com")
'mail.To.Add(txtemail.Text)
'mail.Subject = "CREDENTIAL MAIL"
'mail.Body = "Mail from PSG College..Credential details.."
'mail.Body = "Hi " + txtName.Text + ", your User ID is:" + txtuid.Text + " and your
password is:" + txtPassword.Text + " for login. "
'smtpserver.EnableSsl = True
'smtpserver.Send(mail)
" MsgBox("Stock Alert Mail Send to Admin Successfully")
End Sub

```

Protected Sub Button1\_Click(ByVal sender As Object, ByVal e As EventArgs) Handles

Button1.Click

txtuid.Text = ""

txtpname.Text = ""

txtdob.Text = ""

txtPassword.Text = ""

txtpphone.Text = ""

txtemail.Text = ""

End Sub

## **STUDENT HOME**

Public Class stuhome

Inherits System.Web.UI.Page

```
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles  
Me.Load  
End Sub  
End Class
```

## **STUDENT PROFILE**

```
Imports System.Data.SqlClient  
Public Class Myprofile  
Inherits System.Web.UI.Page  
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles  
Me.Load  
Module1.connect()  
Dim da As New SqlDataAdapter("SELECT * FROM student where Reg_no=" + Session("uid")  
+ " ", con)  
Dim ds As New DataSet  
da.Fill(ds)  
GridView1.DataSource = ds.Tables(0)  
GridView1.DataBind()  
End Sub  
End Class
```

## **STUDENT VIEW COMPANYY**

```
Imports System.Data.SqlClient  
Public Class Sviewcompany  
Inherits System.Web.UI.Page  
Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles Me.Load  
Module1.connect()  
Dim da As New SqlDataAdapter("SELECT * FROM placement ", con)  
Dim ds As New DataSet
```

```
da.Fill(ds)
```

```
End Sub
```

```
End Class
```

### **STUDENT VIEW PLACEMENT:**

```
Imports System.Data.SqlClient
```

```
Public Class Sviewplacement
```

```
Inherits System.Web.UI.Page
```

```
Public con As New System.Data.SqlClient.SqlConnection("Data Source=.;Initial  
Catalog=StudentIntimation;Integrated Security=True")
```

```
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles  
Me.Load
```

```
con.Close()
```

```
con.Open()
```

```
Dim cmd As New SqlCommand("select * from internship", con)
```

```
Dim da As New SqlDataAdapter(cmd)
```

```
Dim ds As New DataSet
```

```
da.Fill(ds)
```

```
GridView1.DataSource = ds.Tables(0)
```

```
GridView1.DataBind()
```

```
con.Close()
```

```
End Sub
```

```
End Class
```

### **VIEW EVENTS**

```
Imports System.Data.SqlClient
```

```
Public Class viewevents
```

```
Inherits System.Web.UI.Page
```

```
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
```

```

Me.Load
Module1.connect()
Dim da As New SqlDataAdapter("SELECT * FROM event_table", con)
Dim ds As New DataSet
da.Fill(ds)
GridView1.DataSource = ds.Tables(0)
GridView1.DataBind()
End Sub
End Class

```

## **STUDENT ENQUIRY**

```

Imports System.Net.Mail
Imports System.Net
Imports System.IO
Imports System.Data.SqlClient
Public Class StuEnquiry
Inherits System.Web.UI.Page
Public con As New System.Data.SqlClient.SqlConnection("Data Source=.;Initial
Catalog=StudentIntimation;Integrated Security=True")
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
TextBox1.Text = System.DateTime.Now.ToString
rid()
TextBox2.Text = ss + 1
aid()
End Sub
Protected Sub btnSubmit_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
btnSubmit.Click
con.Close()
con.Open()

```

```

Dim cmd As New SqlCommand("insert into stuenquiry values('" + TextBox1.Text + "','" +
TextBox2.Text + "','" + DropDownList1.Text + "','" + TextBox4.Text + "')", con)
cmd.ExecuteNonQuery()
Response.Write("<script>alert('Feedback Added Successfully')</script>")
con.Close()
End Sub
Protected Sub Button1_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
Button1.Click
TextBox4.Text = ""
DropDownList1.Text = ""
End Sub
Dim ss As Integer
Private Sub rid()
con.Close()
con.Open()
Dim cmd As New SqlCommand("select max(enquiryid) from stuenquiry", con)
Dim dr As SqlDataReader
dr = cmd.ExecuteReader
If (dr.Read) Then
If IsDBNull(dr.Item(0)) Then
ss = 0
Else
ss = dr.Item(0)
ss = ss + 0
End If
End If
con.Close()
End Sub
Private Sub aid()

```

```

con.Close()
con.Open()
Dim da As New SqlDataAdapter("select Sname from student where Reg_no=" + Session("uid")
+ "", con)
Dim dt As New DataTable
Dim dr As DataRow
da.Fill(dt)
For Each dr In dt.Rows
DropDownList1.Items.Add(dr.Item(0))
Next
con.Close()
End Sub
End Class

```

### **STAFF HOME**

```

Public Class staffhome
Inherits System.Web.UI.Page
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
End Sub
End Class

```

### **STAFF PROFILE**

```

Imports System.Data.SqlClient
Public Class SMyprofile
Inherits System.Web.UI.Page
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
Module1.connect()

```

```

Dim da As New SqlDataAdapter("SELECT * FROM staff where Sname='" + Session("uid") +
""", con)
Dim ds As New DataSet
da.Fill(ds)
GridView1.DataSource = ds.Tables(0)
GridView1.DataBind()
End Sub

```

## **VIEW PLACEMENT**

```

Imports System.Data.SqlClient
Public Class viewplacement
Inherits System.Web.UI.Page
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
Module1.connect()
Dim da As New SqlDataAdapter("SELECT * FROM placement ", con)
Dim ds As New DataSet
da.Fill(ds)
GridView1.DataSource = ds.Tables(0)
GridView1.DataBind()
End Sub
End Class

```

## **STAFF ENQUIRY**

```

Imports System.Net.Mail
Imports System.Net
Imports System.IO
Imports System.Data.SqlClient
Public Class Sfenquiry
Inherits System.Web.UI.Page

```

```

Public con As New System.Data.SqlClient.SqlConnection("Data Source=.;Initial
Catalog=StudentIntimation;Integrated Security=True")
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
TextBox1.Text = System.DateTime.Now.ToString
rid()
TextBox2.Text = ss + 1
aid()
End Sub
Protected Sub btnSubmit_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
btnSubmit.Click
con.Close()
con.Open()
Dim cmd As New SqlCommand("insert into sfenquiry values("'" + TextBox1.Text + "','" +
TextBox2.Text + "','" + DropDownList1.Text + "','" + TextBox4.Text + "')", con)
cmd.ExecuteNonQuery()
Response.Write("<script>alert('Feedback Added Successfully')</script>")
con.Close()
End Sub
Protected Sub Button1_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
Button1.Click
TextBox4.Text = ""
DropDownList1.Text = ""
End Sub
Dim ss As Integer
Private Sub rid()
con.Close()
con.Open()
Dim cmd As New SqlCommand("select max(enquiryid) from sfenquiry", con)

```

```

Dim dr As SqlDataReader
dr = cmd.ExecuteReader
If (dr.Read) Then
If IsDBNull(dr.Item(0)) Then
ss = 0
Else
ss = dr.Item(0)
ss = ss + 0
End If
End If
con.Close()
End Sub
Private Sub aid()
con.Close()
con.Open()
Dim da As New SqlDataAdapter("select Sname from staff where Sname=" + Session("uid") +
"", con)
Dim dt As New datatable
Dim dr As DataRow
da.Fill(dt)
For Each dr In dt.Rows
DropDownList1.Items.Add(dr.Item(0))
Next
con.Close()
End Sub
End Class

```

## 4.9 FORM DESIGN

1. Authentication process
2. Student Enrollment Process
3. Company Details Entry process
4. Placement Details Entry process
5. Event Details Entry process
6. Student Enquiry
7. Staff Enquiry
8. Staff details
9. Filtration
10. Report Generation

## FORM DESCRIPTION

### 1. Authentication process

The first module is the authentication module. Using this module the admin and student, staff can login into the website. Based on the role, the page will be navigated.



The screenshot shows a web application interface. At the top, there is a navigation menu with five items: Home, About, Login, Contact Us, and Register. Below the menu is a red horizontal bar. Underneath the bar, the title 'Login Form' is displayed in a red, serif font. The form itself consists of three input fields: 'Username' with the text 'Admin', 'Password' with masked characters '\*\*\*\*', and 'Role' with a dropdown menu showing 'Admin'. A 'Submit' button is located below the input fields.

## Staff Login



Home About Login Contact Us Register

### Login Form

Username: 181118

Password: \*\*\*\*

Role: Staff

Submit

## Student Login



Home About Login Contact Us Register

### Login Form

Username: 17pcc018

Password: \*\*\*\*

Role: Student

Submit

## 2. Student Enrollment process

Using this module student can register the student in the registration form students has to fill with personal details such as name, address, mobile number mail id and username, first name and last name and education details This module deals with the user details. This will maintain in a separate table and system will generate password to user using this password user can log on this website. Profile management is allowed only after the successful login and the user needs to enter their login information again as part of security features.

Home	Admin	Logout	Registration	My Profile
------	-------	--------	--------------	------------



### STUDENT DETAILS ENTRY

Student ID(Reg\_No)

Student Name

Course

DOB

Degree

Password

Parent Phone

Parent Name

Mobile

Email

10th Mark

12th Mark

Semester Mark

### 3. Company info Details

This module fully based on placement control admin can log on this this website and they can enter all company information such, company name department and address, and requirement details all the company information details stored by admin using this module.

Staff Details	Company	Placement	Event Details	Staff Inquiry	Student Inquiry	Filteration	Reports	Logout
---------------	---------	-----------	---------------	---------------	-----------------	-------------	---------	--------



### COMPANY DETAILS ENTRY

Company Name

Domain

Address

Est. Year

Founded At

Package Name

URL

Mobile

Email

#### 4. Placement details

Admin adding the company details successful they can add the company placement requirement details by using this module. Each company contains the unique id and company requirements such as domain and technologies oriented students requirement details added by the admin using this module.



The screenshot shows a web application interface with a navigation menu at the top containing: Staff Details, Company, Placement, Fees Details, Staff Enquiry, Student Enquiry, Placement, Results, and Logout. The main content area is titled 'PLACEMENT Entry' and features an illustration of two 3D figures (one blue, one grey) sitting at a desk with a computer. To the right of the illustration is a form with the following fields:

- Company ID:
- Company Name:
- Degree:
- Date:
- Company Type:
- Post:
- Salary:
- Eligibility:
- Interview type:
- Interview process:

A 'Submit' button is located at the bottom of the form.

#### 5. Event Details process

Using this module admin can add the events conducted in the institute for the students such as cultural and seminar and international conference all the events details stored into this module.

**EVENTS DETAILS ENTRY**

Event ID:

Event Name:

Event type:

Event Description:

Last Date:

Who can participate:

Venue:

Date:

Mobile:

## 6. Student Enquiry

Using this module the admin can view the enquiries made by the students regarding the placement details.

enquirydate	enquiryid	studentname	enquiry
18/ Mar 19 12:21:14 PM	1	Sumithra	thank you admin

## 7. Staff Enquiry

Using this module the admin can view the enquiries made by the staff regarding the placement details.



enquirydate	enquiryid	staffname	enquiry
28-Mar-19 5:15:53 PM	1	sumi	thank you admit

## 8. Staff Details

Using this module student can register the student in the registration form students has to fill with personal details such as name, address, mobile number mail id and username, first name and last name and education details This module deals with the user details. This will maintain in a separate table and system will generate password to user using this password user can log on this website. Profile management is allowed only after the successful login and the user needs to enter their login information again as part of security features.

### STAFF DETAILS ENTRY



Staff ID	<input type="text" value="7"/>
Staff Name	<input type="text" value="Nithya"/>
Gender	<input type="radio"/> Male <input checked="" type="radio"/> Female
Department	<input type="text" value="Computer Applications"/>
DOB	<input type="text" value="25/02/1980"/>
Qualification	<input type="text" value="Mphil"/>
Password	<input type="password" value="*****"/>
Designation	<input type="text" value="Assistant Professor"/>
Subjects	<input type="text" value="Income Tax&lt;br/&gt;Banking And Insurance"/>
Mobile	<input type="text" value="9506650602"/>
Email	<input type="text" value="nithya@gmail.com"/>
<input type="button" value="Submit"/>	

## 9. Filtration

This module helps the Admin to filter the student's details

The screenshot shows a web application interface with a navigation menu at the top containing: Staff Details, Company, Placement, Event Details, Staff Enquiry, Student Enquiry, Filteration, Reports, and Logout. Below the menu is a section titled 'Filteration Details' with a dropdown menu for 'Select Department' set to 'M.Com(ca)' and a link for 'View Placed Students'. A table displays the following data:

C Id	Cname	Dept	C Type	Date	Post	Salary	Eligibility	Job location	Venue	Interview process
1	inzel	M.Com(ca)	2018/02/10	DPO	hr	12000	bca	Coval		java
1b	bose info tech	M.Com(ca)	2018/02/11	RPO	developer	14000	ditnet	chir	coo	written
2	ice	M.Com(ca)	2018/02/11	DPO	hr	15000	any/degree	Coval	gandhipuram	aptitude

## 10. Reports

Using the report module different types of reports can generate such as users report, and events reports and placement report.

The screenshot shows a web application interface with a navigation menu at the top containing: Staff Details, Company, Placement, Event Details, Staff Enquiry, Student Enquiry, Filteration, Reports, and Logout. Below the menu is a section titled 'Reports' with several buttons for generating reports: Student report, Staff Report, Placement Report, Company Report, and Event Report.

## Company Report:



Company Report										
C_Id	Cname	Dept	C_Type	Date	Post	Salary	Eligibility	Job_location	Venue	Interview_process
1	intel bose	M.Com(ca)	2018/02/13	BPO	hr	12000	bca	covai		java
16	info tech	M.Com(ca)	2018/02/15	BPO	developer	15000	dotnet	cbe	cbe	written
4	lus	M.Com(ca)	2018/02/21	BPO	hr	15000	any degree	covai	gandhipuram	aptitude

## Student Report

Student Report												
Reg_No	Sname	Dept	DOB	Degree	Password	Parent_no	Parent_name	Mobile	email	mark1	mark2	semmar
17pcc011	pavithra	Commerce	13/08/1996	M.com(CA)	pavi	7894561235	mutrupandi	8974586325	karthiksuguna08@gmail.com	85%	90%	78%
17pcc012	priya	Commerce	12/03/1997	M.com(CA)	priya	894563215	kumar	7854123688	priya@gmail.com	80%	90%	75%
17pcc016	saranya	Commerce	30/08/1996	M.com(CA)	saran	9524648301	murugesan	9344019534	saranyamurugesan29@gmail.com	81	92	81
17pcc020	subhashini	Commerce	11/03/1997	M.com(CA)	subha	8975462315	paanisamy	8098632155	mcomca17@gmail.com	85%	95%	80%

## Staff Details

Staff Details	Company	Placement	Event Details	Staff Enquiry	Student Enquiry	Filteration	Reports	Logout		
Student report	Staff Report	Placement Report	Company Report	Event Report						
S_Id	Sname	Gender	Department	dob	Qualification	password	Designation	Subjecttaken	Contactno	Emailid
1	shiv	Male	Computer Science	25/07/1988	MCA	shiv	placement trainer	vertical	7845123456	shiv@gmail.com
2	ramya	Female	Maths	20/03/1991	MCA	ramya	placement trainer	Quantitative Aptitude	7812158108	ramya@gmail.com

## Event Details

Staff Details	Company	Placement	Event Details	Staff Enquiry	Student Enquiry	Filteration	Reports	Logout
Student report	Staff Report	Placement Report	Company Report	Event Report				
Event_Id	Event_Name	Event_type	Description	Lastdate	Participants	Venue	Datetime	mobile
1	Dance	Cultural	ygff	2018/02/20/09:00	50	Groupa	2018/02/15	950072242
2	Orientation	Cultural	how to successfully clear IIR	25/01/2019/11:00	50	nirma college	2019/01/15	8954765125

## **CHAPTER V**

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## **CHAPTER V**

### **5. SYSTEM TESTING**

#### **5.1 INTRODUCTION**

Testing is a series of different tests that whose primary purpose is to fully exercise the computer based system. Although each test has a different purpose, all work should verify that all system element have been properly integrated and performed allocated function. Testing is the process of checking whether the developed system works according to the actual requirement and objectives of the system.

The philosophy behind testing is to find the errors. A good test is one that has a high probability of finding an undiscovered error. A successful test is one that uncovers the undiscovered error. Test cases are devised with this purpose in mind. A test case is a set of data that the system will process as an input. However the data are created with the intent of determining whether the system will process them correctly without any errors to produce the required output.

#### **5.2 TYPES OF TESTING**

- Unit testing
- Integration testing
- Verification testing
- Validation testing
- White Box testing
- Black box testing
- Test data output

## **UNIT TESTING**

Unit testing is a level of software testing where individual units/ components of software are tested. The purpose is to validate that each unit of the software performs as designed. A unit is the smallest testable part of any software. It usually has one or a few inputs and usually a single output.

## **INTEGRATION TESTING**

The entire project was split into small program each of this single programs gives a frame as an output. These programs were tested individually; at last all these programs were combined together by creating another program where all these constructors were used. It give a lot of problem by not functioning is an integrated manner.

The user interface testing is important since the user has to declare that the arrangements made in frames are convenient and it is satisfied. when the frames were given for the test, the end user gave suggestion. Based on their suggestions the frames were modified and put into practice.

## **VERIFICATION TESTING**

Verification is the process of evaluating work-products of a development phase to determine whether they meet the specified requirements.

Verification ensures that the product is built according to the requirements and design specifications. The artifacts such as test Plans, requirement specification, design, code and test cases are evaluated.

## **VALIDATION TESTING**

At the culmination of the black box testing software is completely assembled as a package. Interfacing errors have been uncovered and corrected and a final series of test i.e., Validation succeeds when the software function in a manner that can be reasonably accepted by the customer.

## **WHITE BOX TESTING**

White box testing (also known as Clear Box Testing, Open Box Testing, Glass Box Testing, Transparent Box Testing, Code-Based Testing or Structural Testing) is a software testing method in which the internal structure/design/implementation of the item being tested is known to the tester.

The tester chooses inputs to exercise paths through the code and determines the appropriate outputs. Programming know-how and the implementation knowledge is essential. White box testing is testing beyond the user interface and into the nitty-gritty of a system.

This method is named so because the software program, in the eyes of the tester, is like a white/transparent box; inside which one clearly sees.

## **BLACK BOX TESTING**

Black box testing is done to find out the following information as shown in below:

- Incorrect or missing functions
- Interface errors.
- Errors or database access.
- Performance error.
- Termination error.

The mentioned testing is carried out successfully for this application according to the user's requirement specification.

## **TEST DATA OUTPUT**

After preparing test data, the system under study is tested using the test data. While testing the system using test data, errors are again uncovered and corrected by using above testing and corrections are also noted for future use.

## **CHAPTER VI**

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## CHAPTER VI

### 6. SYSTEM IMPLEMENTATION

#### 6.1 INTRODUCTION

The purpose of System Implementation can be summarized as making the new system available to a prepared set of users (the deployment), and positioning on-going support and maintenance of the system within the Performing Organization (the transition). At a finer level of detail, deploying the system consists of executing all steps necessary to educate the Consumers on the use of the new system, placing the newly developed system into production, confirming that all data required at the start of operations is available and accurate, and validating that business functions that interact with the system are functioning properly. Transitioning the system support responsibilities involves changing from a system development to a system support and maintenance mode of operation, with ownership of the new system moving from the Project Team to the Performing Organization.

List of System implementation is the important stage of project when the theoretical design is tuned into practical system. The main stages in the implementation are as follows:

- Planning
- Training
- System testing and
- Changeover Planning

Planning is the first task in the system implementation. Planning means deciding on the method and the time scale to be adopted. At the time of implementation of any system people from different departments and system analysis involve. They are confirmed to practical problem of controlling various activities of people outside their own data processing departments. The line managers controlled through an implementation coordinating committee. The committee considers ideas, problems and complaints of user department, it must also consider;

The implications of system environment are

- Self selection and allocation form implementation tasks.
- Consultation with unions and resources available.
- Standby facilities and channels of communication.

The purpose of Prepare for System Implementation is to take all possible steps to ensure that the upcoming system deployment and transition occurs smoothly, efficiently, and flawlessly. In the implementation of any new system, it is necessary to ensure that the Consumer community is best positioned to utilize the system once deployment efforts have been validated. Therefore, all necessary training activities must be scheduled and coordinated. As this training is often the first exposure to the system for many individuals, it should be conducted as professionally and competently as possible. A positive training experience is a great first step towards Customer acceptance of the system.

During System Implementation it is essential that everyone involved be absolutely synchronized with the deployment plan and with each other. Often the performance of deployment efforts impacts many of the Performing Organization's normal business operations. Examples of these impacts include:

- Consumers may experience a period of time in which the systems that they depend on to perform their jobs are temporarily unavailable to them. They may be asked to maintain detailed manual records or logs of business functions that they perform to be entered into the new system once it is operational.
- Technical Services personnel may be required to assume significant implementation responsibilities while at the same time having to continue current levels of service on other critical business systems.
- Technical Support personnel may experience unusually high volumes of support requests due to the possible disruption of day-to-day processing.

Because of these and other impacts, the communication of planned deployment activities to all parties involved in the project is critical. A smooth deployment requires strong leadership, planning, and communications.

By this point in the project lifecycle, the team will have spent countless hours devising and refining the steps to be followed. During this preparation process the Project Manager must verify that all conditions that must be met prior to initiating deployment activities have been met, and that the final ‘green light’ is on for the team to proceed.

The final process within the System Development Lifecycle is to transition ownership of the system support responsibilities to the Performing Organization. In order for there to be an efficient and effective transition, the Project Manager should make sure that all involved parties are aware of the transition plan, the timing of the various transition activities, and their role in its execution.

Due to the number of project participants in this phase of the SDLC, many of the necessary conditions and activities may be beyond the direct control of the Project Manager. Consequently, all Project Team members with roles in the implementation efforts must understand the plan, acknowledge their responsibilities, recognize the extent to which other implementation efforts are dependent upon them, and confirm their commitment.

## **6.2 SYSTEM MAINTENANCE**

All system is dynamic and subjects to constantly changing requirements. Effort must be devoted to adapting them and design must be flexible specified so that such changes can be easily implemented. This activity is called system maintains. It includes improvement of system functions and correction of errors.

Back up for the entire database files are taken and stored in secondary storage devices like magnetic tapes and disks so that is possible to restore the system at the earliest. If there is a breakdown or collapse, then the system gives provision to restore database files. Storing data in a separate secondary device leads to an effective and efficient maintains of the system.

The master file has flags for maintains. After the mentioned period, the rejection suppliers, unused data in the files will be deleted in the master file. This method is the increasing the memory to store the data.

## **CHAPTER VII**

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## **CHAPTER VII**

### **7. FURTHER SCOPE AND CONCLUSION**

#### **FURTHER SCOPE**

The development of this project has many new areas of investigation. This project has wide scope to implement it at any Institution. Other features such as giving notification to students about the jobs that are available both on and off campus can be included in the upgraded versions. The system cannot provide the SMS integration. Hence, it can be modified to give the SMS integration. Other features like analytics can be added in future to this portal for tracking the progress of student in specific areas. After analysis this system will notify students of the areas they are lacking in.

#### **CONCLUSION**

Placement Management System creates an environment which removes the pen and paper work and reduces the time consuming work. It use graphical user interface for designing, which provide convenient understanding about the structure of the system. It also have particular module for a particular area like for students details system have student module, for company details system have company module and for institute details system have own separate admin module. It is very important system for those students who are graduate and searching for the jobs in different streams and areas.

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