

A

Project report

On

“VPMP SMS PORTAL”

Submitted to

V.P.M.P. POLYTECHNIC, Gandhinagar

DEPARTMENT OF COMPUTER ENGINEERING



Prepared by

Internal Guide:

Mrs. Vaishali Mehta

Developed by:

Yash Shah

(166540307100)

V.P.M.P. POLYTECHNIC
DEPARTMENT OF COMPUTER ENGINEERING



CERTIFICATE

This is to certify that Yash Shah of 16CE2 class, Enrollment No. 166540307100 has satisfactorily completed his term work in PROJECT-II (3360705) for the term ending in April 2019.

Date:

Sign of Internal Guide

Sign of H.O.D

Acknowledgments

Many People have helped to make this project work possible. It is my pleasure to acknowledge and thank them for their valuable co-operation at various stages of this work.

First and foremost I like to offer my gratitude to “The Almighty God” to send me his blessings and to give me an opportunity to reach up to this level.

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I express my obligations and thanks to all the faculty members of C.E. Department as well as my parents for the kind support and motivation that they offered me during my work.

Yash Shah
(Enrollment no : 166540307100)

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CHAPTER : 1

INTRODUCTION

INTRODUCTION TO CURRENT SYSTEM

- There is no such System or SMS Portal to send SMS.
- For that, I am making VPMP SMS Portal for my College. By using VPMP SMS Portal the Teacher, staff or anyone can send SMS to the Parents, students and any other person easily.

INTRODUCTION TO YOUR PROJECT

Project Title : VPMP SMS Portal

Project Definition : VPMP SMS Portal is a website that allows you to send SMS (Sort Message Service) by Telecommunication network. The messages are routed through mobile phone network. SMS are sent via some methods which are very efficient and user friendly due to its User Interface.

Why use SMS?

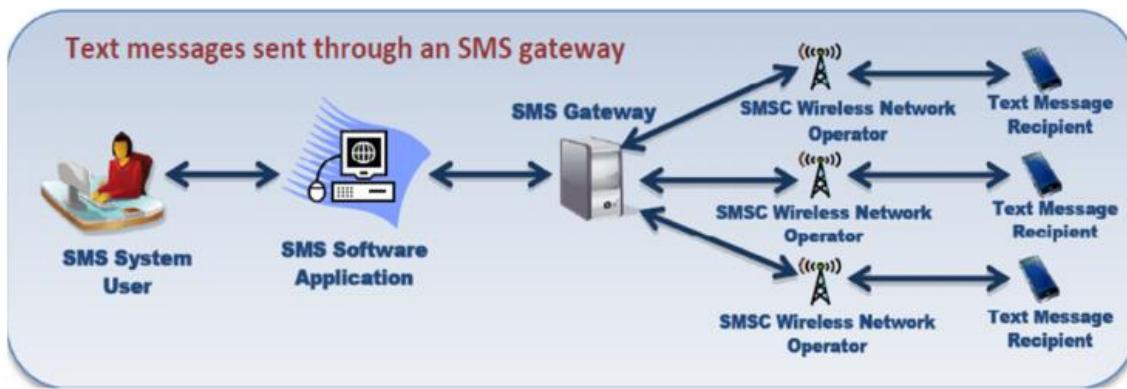
Virtual talking in the form of sending SMS has become the second way to talk in real time after the primary method of talking face to face.

This feature was further enhanced with the invention of mobile phones and these mobile devices started the new concept of talking to each other by sending SMS. The world today sees millions of these messages serving the purpose of strengthening the immortal bond of friendship.

Mobile phones with SMS (Short Message Service) features are becoming quite popular. SMS allows users to send brief text messages from their mobile phone directly to the screen of a friend's mobile phone (providing it also has the ability to receive SMS). This feature is also available with the feature of being able to

be sent not only from a mobile to a mobile, but also from email website to mobile devices. Therefore, the SMS through internet has started to see the smiles of satisfied Users of this feature.

HOW VPMP SMS Portal WORKS?



- First SMS is being sent by user from the VPMP SMS Portal. User enters the SMS content and mobile number of the person which will receive the SMS. Then user will click send button.
- After that the SMS goes into Wireless mobile networks using SMS Gateway.
- Then SMS routes through wireless mobile network and will be delivered to the person whose contact number is entered or selected during sending of SMS.
- Here , I have Integrated the SMS Portal with the SMS Gateway so that it can send SMS.

What is VPMP SMS portal ? And What it provides?

VPMP SMS Portal is a website that allows you to send SMS (Sort Message Service) to a Telecommunication network. The messages are routed through mobile phone network. It facilitates seamless communication. It aims to connect the world through simple SMS, By taking the complex and making it simple.

It allows staff to create SMS Template which can be later used while sending SMS. It allows admin to create Sender id.

It also provides complain & feedback, SMS History, Live chat support etc..

SMS portal gives you many ways to send SMS,

1. Quick SMS
2. Quick SMS via Phonebook
3. Future SMS
4. Future SMS via Phonebook
5. Static SMS by Uploading Excel File
6. Dynamic SMS by Uploading Excel File
7. Group SMS

SMS portal gives you 2 ways to add Student (to Phonebook),

1. Static method (manually)
2. Dynamic via Excel File (automatically)

You can see all this in depth in **Identifying Activities of the System** section.

CHAPTER : 2

OBJECTIVES

OBJECTIVES

Main Purpose of this project is to create a website which allows to send SMS easily, efficiently to students, parents or anyone.

Through easy interface of website anyone can send SMS quickly and efficiently.

You can send SMS to number of users by uploading excel file which contains contact numbers, in fraction of time.

It has multiple ways to send SMS. You can also set date and time for SMS.

You can also Save millions of numbers, add them in different groups, arrange them according to your convenience, and do much more. You can add, view, modify and delete anything via just a mouse click due to the USER FRIENDLY CRUD Panels.

There are 7 ways to send SMS

1. Quick SMS
2. Quick SMS via Phonebook
3. Static SMS by uploading Excel file
4. Dynamic SMS by uploading Excel file
5. Future SMS / SMS Reminder
6. Future SMS / SMS Reminder via Phonebook
7. Group SMS

There are 2 ways for uploading student contact

1. Statically without excel file
2. Dynamically with excel file

For Forgot Password, there is a facility of OTP for resetting password.

CHAPTER : 3

User Benefits

Benefits

- Phonebook : Save millions of numbers, add them in different groups, arrange them according to your convenience, and do much more.
- It is Simple.
- E-mail is instant but SMS is fast.
- User can create his own SMS templates and can use that template later unlimited times.
- For Reading SMS, NO internet is required. So, it can work in every area where is mobile network
- It is Easy to understand. User doesn't need to learn or open any app , All he/she has to do is Nothing.
- Reduces manual effort.
- Dashboard helps you to summarize important data in the form of statistics and graph.
- Bulk import of student data is just a click away via excel file.
- You do not need to remember the important dates for sending SMS, thanks to the Future SMS just set the SMS and forgot it.
- You can send SMS to thousand of receiver with just a single click, thanks to the Group SMS.
- You do not need to remember the numbers because of phonebook.
- It is also possible to send a SMS to third party without saving his number, thanks to Quick SMS.
- You do not need to type and send SMS again and again where the SMS is similar but data is different, thanks to dynamic SMS.

- It generates the logs in the forms of SMS history which helps to trace SMS and also helps admin to keep track of SMS.
- It is important to get the feedback of user to do the enhancement and fix the bugs or errors so we have introduced feedback and complain.
- To instant help to users we have introduced **LIVE CHAT** Support.
- There is a facility of Forgot Password in case user forgets his password.
- We have provided the admin panel for user management, SMS History monitoring, managing Sender Id , designation , branch , classes , semester etc...
- The VPMP SMS Portal is designed with BOOTSTRAP so it is responsive. Which means it will work in each and every device from mobile, PC, Laptop, iPhone, iPad etc...

CHAPTER : 4

SYSTEM

REQUIREMENTS

Hardware Requirements

(For USERS)

Any Basic computer which can run Browser , Microsoft Excel.

(For HOSTING)

Processor :- Intel i7 Processor

Ram :- 16 GB

Hard Disk :- 32 GB

Software Requirements

Operating System (OS) :- Windows 7 or Higher

Front End : - JSP (Java Server Pages) , Servlet

Back End : - MYSQL

.CSV File : - Microsoft Excel

Documentation : - Microsoft Word

Presentation : - Microsoft Power Point

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Front End of System

What is JSP (Java Server Pages) ?

Java Server Pages (JSP) is a technology for developing Webpages that supports dynamic content. This helps developers insert java code in HTML pages by making use of special JSP tags, most of which start with <% and end with %>. Which is called **scriptlet**.

A **JSP page** is a text document that contains two types of text: static data, which can be expressed in any text-based format (such as [HTML](#), [SVG](#) and [XML](#)), and JSP elements, which construct dynamic content.

JSP technology is used to create web application just like Servlet technology. It can be thought of as an extension to Servlet because it provides more functionality than servlet such as expression language, JSTL, etc.

A JSP page consists of HTML tags and JSP tags. The JSP pages are easier to maintain than Servlet because we can separate designing and development. It provides some additional features such as Expression Language, Custom Tags, etc.

A Java Server Pages component is a type of Java servlet that is designed to fulfill the role of a user interface for a Java web application. Web developers write JSPs as text files that combine HTML code, XML elements, and embedded JSP actions and commands.

Using JSP, you can collect input from users through Webpage forms, present records from a database or another source, and create Webpages dynamically.

JSP tags can be used for a variety of purposes, such as retrieving information from a database or registering user preferences, accessing JavaBeans components, passing control between pages, and sharing information between requests, pages etc.

The recommended file extension for the source file of a JSP page is .jsp. The page can be composed of a top file that includes other files that contain either a complete JSP page or a fragment of a JSP page. The recommended extension for the source file of a fragment of a JSP page is ‘.jsp’

Why Use JSP?

- Performance is significantly better because JSP allows embedding Dynamic Elements in HTML Pages.
- JSP are always compiled before they are processed by the server unlike Servlet.
- Java Server Pages are built on top of the Java Servlets API, so like Servlets, JSP also has access to all the powerful Enterprise Java APIs, including **JDBC, JSTL** etc.
- Finally, JSP is an integral part of Java EE, a complete platform for enterprise class applications. This means that JSP can play a part in the simplest applications to the most complex and demanding.

Following table lists out the other advantages of using JSP over other technologies –

JSP vs. Active Server Pages (ASP)

The advantages of JSP are twofold. First, the dynamic part is written in Java, not Visual Basic or other MS specific language, so it is more powerful and easier to use. Second, it is portable to other operating systems and non-Microsoft Web servers.

JSP vs. JavaScript

JavaScript can generate HTML dynamically on the client but can hardly interact with the web server to perform complex tasks like database access and image processing etc.

JSP vs. Static HTML

Regular HTML, of course, cannot contain dynamic information.

What is Servlet ?

A servlet is a Java programming language class that is used to extend the capabilities of servers that host applications accessed by means of a request-response programming model. Although servlets can respond to any type of request, they are commonly used to extend the applications hosted by web servers. For such applications, Java Servlet technology defines HTTP-specific servlet classes.

The **javax.servlet** and **javax.servlet.http** packages provide interfaces and classes for writing servlets. All servlets must implement the Servlet interface, which defines life-cycle methods. When implementing a generic service, you can use or extend the GenericServlet class provided with the Java Servlet API. The HttpServlet class provides methods, such as doGet and doPost, for handling HTTP-specific services.

JSP pages can be used in combination with servlets that handle the business logic, the model supported by Java servlet template engines. So, I have used servlets in my project.

Servlet technology is used to create a web application (resides at server side and generates a dynamic web page).

Servlet technology is robust and scalable because of java language.

Servlet can be described in many ways, depending on the context.

- Servlet is a technology which is used to create a web application.
- Servlet is an API that provides many interfaces and classes including documentation.
- Servlet is an interface that must be implemented for creating any Servlet.
- Servlet is a class that extends the capabilities of the servers and responds to the incoming requests. It can respond to any requests.
- Servlet is a web component that is deployed on the server to create a dynamic web page.

Advantages of Servlet : -

The web container creates threads for handling the multiple requests to the Servlet. Threads have many benefits over the Processes such as they share a common memory area, lightweight, cost of communication between the threads are low. The advantages of Servlet are as follows:

- Better performance: because it creates a thread for each request, not process.
- Portability: because it uses Java language.
- Robust: JVM manages Servlets, so we don't need to worry about the memory leak, garbage collection, etc.
- Secure: because it uses java language.

CHAPTER : 6

Back End of System

MYSQL

MySQL is the most popular Open Source Relational SQL Database Management System. MySQL is one of the best RDBMS being used for developing various web-based software applications. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company.

What is MySQL?

- MySQL is a database system used on the web
- MySQL is a database system that runs on a server
- MySQL is ideal for both small and large applications
- MySQL is very fast, reliable, and easy to use
- MySQL uses standard SQL
- MySQL compiles on a number of platforms
- MySQL is free to download and use
- MySQL is developed, distributed, and supported by Oracle Corporation
- MySQL is named after co-founder Monty Widenius's daughter: My

The data in a MySQL database are stored in tables. A table is a collection of related data, and it consists of columns and rows.

Databases are useful for storing information categorically. A company may have a database with the following tables:

- Employees
- Products
- Customers
- Orders

What is a Database?

A database is a separate application that stores a collection of data. Each database has one or more distinct APIs for creating, accessing, managing, searching and replicating the data it holds.

Other kinds of data stores can also be used, such as files on the file system or large hash tables in memory but data fetching and writing would not be so fast and easy with those type of systems.

Nowadays, we use relational database management systems (RDBMS) to store and manage huge volume of data. This is called relational database because all the data is stored into different tables and relations are established using primary keys or other keys known as **Foreign Keys**.

A Relational Database Management System (RDBMS) is a software that –

- Enables you to implement a database with tables, columns and indexes.
- Guarantees the Referential Integrity between rows of various tables.
- Updates the indexes automatically.
- Interprets an SQL query and combines information from various tables.

MySQL Database

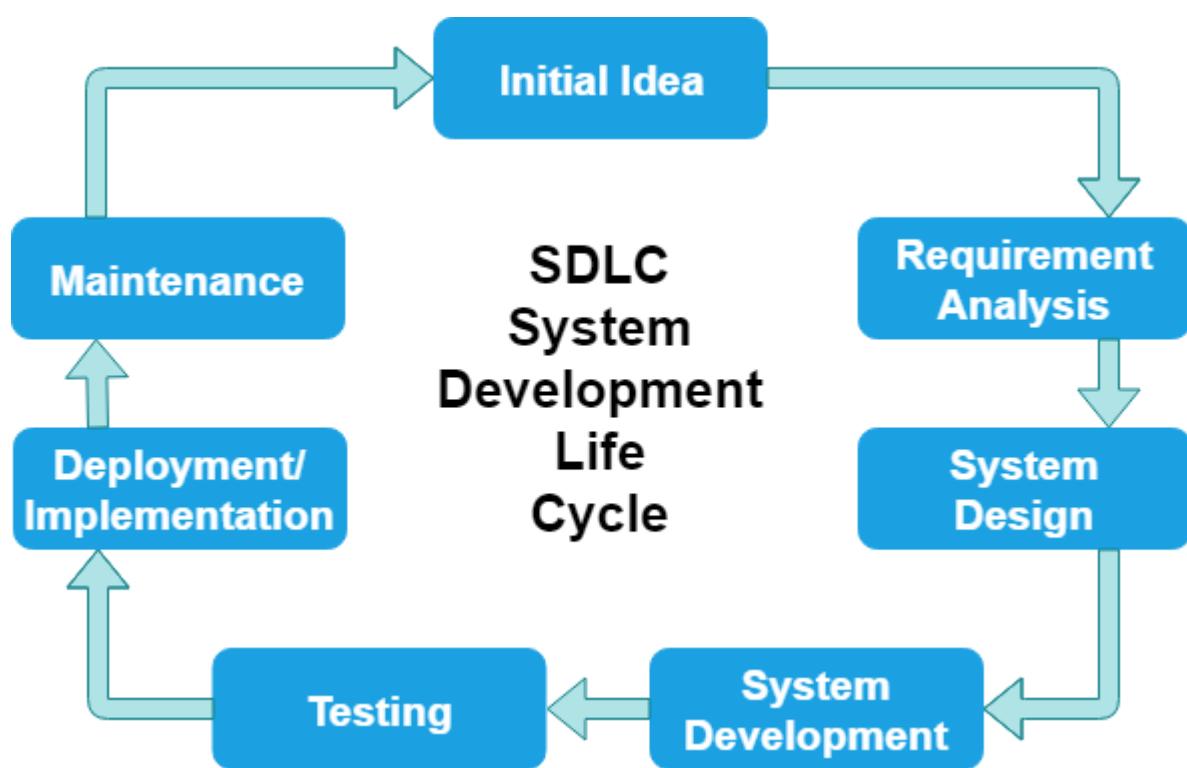
MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. MySQL is becoming so popular because of many good reasons –

- MySQL is released under an open-source license. So you have nothing to pay to use it.
- MySQL is a very powerful program in its own right. It handles a large subset of the functionality of the most expensive and powerful database packages.
- MySQL uses a standard form of the well-known SQL data language.
- MySQL works on many operating systems and with many languages including PHP, PERL, C, C++, JAVA, etc.
- MySQL works very quickly and works well even with large data sets.
- MySQL is very friendly to PHP, the most appreciated language for web development.
- MySQL supports large databases, up to 50 million rows or more in a table. The default file size limit for a table is 4GB, but you can increase this (if your operating system can handle it) to a theoretical limit of 8 million terabytes (TB).
- MySQL is customizable. The open-source GPL license allows programmers to modify the MySQL software to fit their own specific environments.

CHAPTER : 7

SYSTEM ANALYSIS & DESIGN

SDLC – System Development Life Cycle



Waterfall Model

The Waterfall Model was the first Process Model to be introduced. It is also referred to as a **linear-sequential life cycle model**. It is very simple to understand and use. In a waterfall model, each phase must be completed before the next phase can begin and there is no overlapping in the phases.

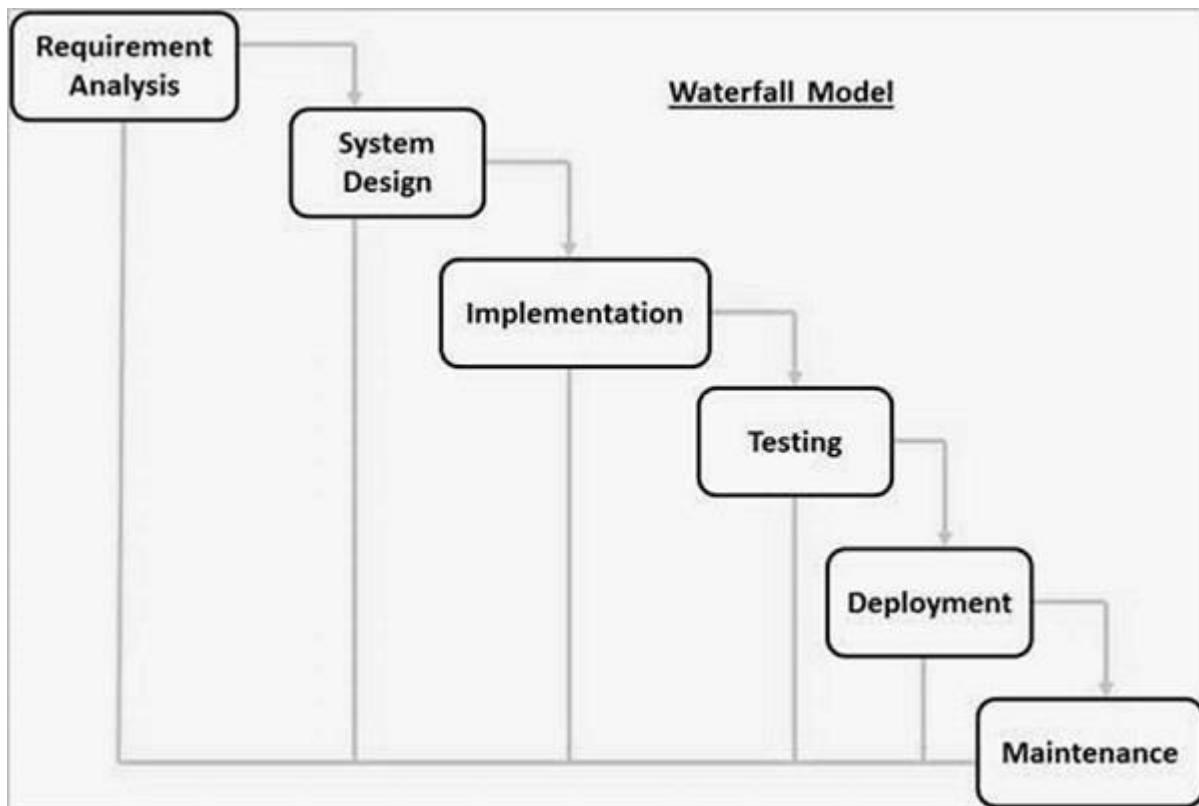
The Waterfall model is the earliest SDLC approach that was used for software development.

The waterfall Model illustrates the software development process in a linear sequential flow. This means that any phase in the development process begins only if the previous phase is complete. In this waterfall model, the phases do not overlap.

Waterfall Model – Design

Waterfall approach was first SDLC Model to be used widely in Software Engineering to ensure success of the project. In "The Waterfall" approach, the whole process of software development is divided into separate phases. In this Waterfall model, typically, the outcome of one phase acts as the input for the next phase sequentially.

The following illustration is a representation of the different phases of the Waterfall Model.



The sequential phases in Waterfall model are –

- **Requirement Gathering and analysis** – All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification document.
- **System Design** – The requirement specifications from first phase are studied in this phase and the system design is prepared. This system design helps in specifying hardware and system requirements and helps in defining the overall system architecture.
- **Implementation** – With inputs from the system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality, which is referred to as Unit Testing.

- **Integration and Testing** – All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.
- **Deployment of system** – Once the functional and non-functional testing is done; the product is deployed in the customer environment or released into the market.
- **Maintenance** – There are some issues which come up in the client environment. To fix those issues, patches are released. Also to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

All these phases are cascaded to each other in which progress is seen as flowing steadily downwards (like a waterfall) through the phases. The next phase is started only after the defined set of goals are achieved for previous phase and it is signed off, so the name "Waterfall Model". In this model, phases do not overlap.

When to use SDLC Waterfall Model?

SDLC Waterfall model is used when

- Requirements are stable and not changed frequently.
- An application is small.
- There is no requirement which is not understood or not very clear.
- The environment is stable
- The tools and technology used is stable and is not dynamic
- Resources are well trained and are available.

Waterfall Model – Application

Every software developed is different and requires a suitable SDLC approach to be followed based on the internal and external factors. Some situations where the use of Waterfall model is most appropriate are –

- Requirements are very well documented, clear and fixed.
- Product definition is stable.
- Technology is understood and is not dynamic.
- There are no ambiguous requirements.
- Ample resources with required expertise are available to support the product.
- The project is short.

Identifies activities/modules of system

Activity in the System means the Activities that will be done by the system after the implementation of the project. It includes the activities related to the sending SMS, Uploading Phonebook, Login , Registration etc. Following are the activities/modules of the System.

There are 2 types of users which will use the VPMP SMS Portal , the first is **Admin** and the second is the **Staff** .

[1] ADMIN

So, lets first see the admin side of the site. **Admin** has 10 Modules

1. Dashboard
2. Manage Staff
3. Manage Branches
4. Manage Semesters
5. Manage Classes
6. Manage Designation
7. Manage Sender Ids
8. SMS History
9. Manage Complains
10. Manage Feedback

1 : Dashboard

Dashboard shows the whole system's Summary. The Dashboard shows you the total number of students in the VPMP SMS portal, Total Staff, The Pending complains and the Total Senderid created by admin. It also shows the graph of students in every branch which shows branch as Bar. You can directly print chart from there or you can also download it in the form of PNG, JPEG, PDF, or SVG Format.

2 : Manage Staff

Here Admin can Manage staff by adding staff and viewing staff. In Add staff admin add staff details and add that staff to the VPMP SMS Portal. The username and Password will be sent to the mobile number of the staff, which can be later modified by the staff.

In View Staff the admin can see the all staff and details about them. Admin can also search the staff according to anything and place them in ascending or descending order . The admin can also delete staff from here and also modify and update details about them.

3 : Manage Branch

Here admin can add branches in add branch. While adding a branch the admin will specify the branch name and the description of that branch. These branches will appear as a dropdown while adding staff and students. In View branch the admin can view all branches and sort them into ascending or descending order. Also admin can search any particular branch and also modify or update it.

4 : Manage Semester

Here admin can add semesters in add semester. While adding a semester the admin will specify the semesters number. These semesters will appear as a dropdown while adding students. In View semester the admin can view all semesters and sort them into ascending or descending order. Also admin can search any particular semester and also modify or update it.

5 : Manage Class

Here admin can add classes in add class. While adding a class the admin will specify the class name and the description of that class. These classes will appear as a dropdown while adding students. In View class the admin can view all classes

and sort them into ascending or descending order. Also admin can search any particular class and also modify or update it.

6 : Manage Designation

Admin can add the designation according to the staff members which will use the VPMP SMS Portal. It will appear as dropdown while adding the staff. You can view designation and also modify or delete them . example : - HOD, Lecturer etc...

7 : Manage SenderId

SenderId is a 6 character word which will be selected by staff while sending any type of message. When a receiver receives the message , the SenderId will be displayed as the sender name. Its is compulsory to select sender id while sending message. If you don't select sender id then it will not send SMS. Only admin can add and modify sender ids . These all sender id added by admin will shown as dropdown while sending SMS . Admin can add any no. of sender id as he wants.

8 : SMS History

Here admin can see the SMS history of every staff. When he opens view history, it will list all staff which are using VPMP SMS Portal. Then from there he can click view button of staff and it will show him the history of that staff. In history there are 4 things , 1)Mobile number to which SMS is sent 2)Sender-Id 3)Date and Time 4)Message . Admin can also delete entire history of staff by just simply clicking **delete**.

9 : Manage Complains

The complains sent by staff will be displayed here. From here admin can see the attached image by staff if staff has attached it. Admin can reply to complains of staff by clicking reply. This reply will be sent to the staff. Once staff's complain

has been solved , the staff can delete it. Admin can also sort complains and search a particular complain.

10 : Manage Feedback

Here Admin can see all feedbacks given by the staff. it displays the feedback subject, description, staff name and the star rating. Admin can also sort and search particular feedback.

[2] STAFF

Now, lets first see the staff side of the site. **Staff** has 12 Modules

1. Dashboard
2. Manage Student / Phonebook
3. Quick SMS
4. Group SMS
5. Future SMS
6. Static SMS
7. Dynamic SMS
8. SMS History
9. SMS Template
10. Complain
11. Feedback
12. Live chat

1 : Dashboard

Dashboard shows the whole system's Summary. The Dashboard shows you the total number of your students in the VPMP SMS portal, Your Groups, The Pending future SMS and the Total SMS Templates created by you. It also shows the graph of students in every branch which shows branch as Bar. You can

directly print chart from there or you can also download it in the form of PNG, JPEG, PDF, or SVG Format.

2 : Manage Student / Phonebook

For uploading student on Phonebook there are 2 ways,

1 – You will have to enter the name and mobile number and other details of student manually.

2 – You will have to upload an excel file which contains the name and the mobile numbers and other details of student. Then press Submit button and your Contacts will be uploaded on your phonebook via Excel file. Only upload ' .csv ' file and use the format of given file and also don't forget to change to ' Number ' Format before saving your file.

Here staff can also view, modify and delete students. He can also search and sort students according to his needs.

A VPMP SMS Portal is a website that allows you to send SMS (Sort Message Service) to via Telecommunication network.

The messages are routed through mobile phone network.

It facilitates seamless communication. It aims to connect the world through simple SMS, By taking the complex and making it simple.

SMS portal gives you many ways to send SMS,

1 – Quick SMS (also via Phonebook)

2 – Static SMS by Uploading Excel File

3 – Dynamic SMS by Uploading Excel File

4 – Future SMS (also via Phonebook)

5 – Group SMS

3 : Quick SMS (also via Phonebook)

In Quick SMS user will have to provide the mobile number and SMS which is being sent. The user can also select the mobile number from Phonebook. User can select multiple mobile numbers at once, which makes it easy to use. And then the SMS will be sent to everyone. Staff must has to select a sender id. Here staff can also select the templates which will automatically type the predefined message.

4 : Static SMS by Uploading Excel File

In Static SMS user will just write the SMS and an excel file which contains the phone numbers. Then User will have to upload the excel file which contains mobile numbers and tell the keyword which will trigger the SMS. After that the phone numbers are automatically fetched from excel file. And if the keyword matches with the phone number then the static SMS will be sent to that mobile numbers which were specified inside excel file. Staff must has to select a sender id. Here staff can also select the templates which will automatically type the predefined message. Only upload '.csv' file and use the format of given file and also don't forget to change to 'Number' Format before saving your file.

5 : Dynamic SMS by Uploading Excel File

In Dynamic SMS , the user can write the SMS which contains the dynamic fields. A dynamic field is a field which changes according to the user. For example marks of students. So, first user will write and Dynamic SMS. Then user will specify the column number depending on how many dynamic fields are there. And then the Dynamic SMS will be sent to all mobile numbers which were specified inside excel file. Staff must has to select a sender id. Here staff can also select the templates which will automatically type the predefined message.

To send Dynamic SMS, Just use '@#columnNumber'. Here 'columnNumber' will be the Number of column in Excel File. You can use as many '@#columnNumber' as you want and there no limitation for it.

(Note : There should be single space(' ') before & after '@#columnName'. The First 2 columns in file are reserved for Mobile Number & Keyword for sending SMS.)

For Example , If your Excel file has marks in 3rd column, names of student in 4th column, subject in 5th column.

Message : Hello @#4 your marks for @#5 is @#3 .

You can add any no. of columns in Excel file but don't forget to follow the Format given in Sample Excel File. Also don't forget to change to ' Number ' Format before saving your file.

6 : Future SMS (also via Phonebook)

In Future SMS, the user will give details of SMS and Mobile numbers. Then user will select specific date and time on which he/she wants to send SMS. You can also send SMS via Phonebook and also specify multiple mobile numbers while sending SMS. After You can see the SMS's information inside “FUTURE SMS AWAITING DELIVERY (View Future SMS)” section. It tells you date, time, SMS content, Mobile numbers on which SMS will be sent. You can also delete SMS reminders from there. Staff must has to select a sender id. Here staff can also select the templates which will automatically type the predefined message.

Once your SMS is sent the ‘is Sent?’ status of SMS will be changed to ‘yes’.

7 : Group SMS

In Group SMS you can create any number of groups which contains the contacts of your phonebook. You can create groups according to your needs , for example Batches, Classes, Semester, Shifts, Branches,

Not only that you can also create custom groups. You will just have to create group for once then you can use that group as many times as you want. Once you have created groups you will have just select the name of the group which will be shown in dropdown and specify the SMS content. Staff must has to select a sender id. Here staff can also select the templates which will automatically type the predefined message. Staff can also view, modify & delete groups.

8 : SMS History

Here staff can see each and every SMS sent by him via any method. Staff can only view the SMS History. Admin can view and delete the SMS history. The staff can only see the SMS sent by him , he can not see the other staff's sent SMS while admin can see Everyone's SMS.

9 : SMS Template

SMS Template is and templates for SMS which is defined by staff. The staff can create any number of Templates. It is used while sending SMS , the staff will only select the template from the dropdown and it will type the predefined SMS in the text-area of the SMS. It saves the time and helps the staff by only typing the message once. The staff can only see the Templates created by him. He can not see the other templates created by other staff.

10 : Complain

If staff faces some error then what will he do? For that I have designed this section. The staff will take a screenshot of that error, upload it and describe the error and click submit. Then admin will be notified about this complain via dashboard. The admin will solve the error and give reply to the staff. After that the staff will see the reply and if he is satisfied with that complain then he will delete it. It is no compulsory to upload an image file.

11 : Feedback

Here staff can appreciate the admin by what he is doing by giving a nice feedback.

Here staff will type subject, description of feedback and give star rating. If staff is not happy about something then he has right to give bad feedback. And Admin will fix that thing.

12 : Live Chat

Here I have integrated the SMP Portal with another site Which is “**tawk.to**” to give live support and help to users. By Using live chat the staff can immediately contact admin any time from anywhere. There is a widget in bottom-right side of the site. By clicking that it opens the chat box. Staff can type his query in that chat box , and the Admin will be notified by notification in his phone or via the website if its open. When admin joins the chat the status will be changed to the “**ONLINE** ” from “**AWAY** ” . after admin solves the problem then he will leave the chat.

[3] Some common Modules

1 : Login

As you all know this is an mandatory module. Without this no user can use the site even admin can't login without this module. It has a sub module which is forgot password. It is used when staff or admin forgets it's password. Here User will perform Login with the help of Username & Password .

If Anyone of them(Username OR Password) is wrong then user will not be able to login.

2 : Forgot Password

It is one of the most important module which will help admin or staff to reset his password. When ever staff or admin forgets his password he can reset the password by specifying his email in forgot password , the he will receive a email which contains OTP on that account if he is registered in VPMP SMS Portal via that email. Now one popup will open where he will enter the OTP , if OTP is true then new window will open which will allow staff or admin to reset his password.

After that he will login with his new password.

3 : Reset Password

Changing password regularly is mandatory for the security. For that the staff and admin can reset his password by clicking change-password.

4 : Logout

Once you have completed your work you should must logout from your account. Which is possible by this module. This is necessary step or activity for the user. It is advisable that the user should must logout before leaving the website or page. Once user has logged out , He can not enter in the System. If He want to enter in the System then he will have to the Login again.

Feasibility Study

Feasibility Study

The outcome of the feasibility study will indicate whether or not to proceed with the proposed venture. If the results of the feasibility study are positive, then the cooperative can proceed to develop a business plan.

The purpose or the thing of feasibility study is to access the e commerce viability of the proposed business.

The study should provide a thorough analysis of the business opportunity, including a look at all the possible roadblocks that may stand in the way of the cooperative's success.

If the results show that the project is not a sound business idea, then the project should not be pursued. Although it is difficult to accept a feasibility study that shows these results, it is much better to find this out sooner rather than later, when more time and money would have been invested and lost.

There are 3 methods of it

- Technical feasibility
- Economical feasibility
- Operational feasibility

Data Flow Diagram

Data Flow Diagram

Data flow diagram is graphical representation of flow of data in an information system. It is capable of depicting incoming data flow, outgoing data flow and stored data. The DFD does not mention anything about how data flows through the system.

There is a prominent difference between DFD and Flowchart. The flowchart depicts flow of control in program modules. DFDs depict flow of data in the system at various levels. DFD does not contain any control or branch elements.

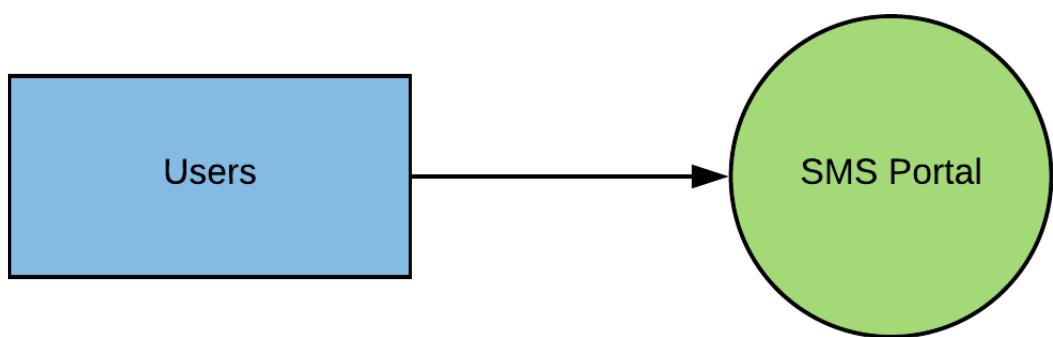
DFD Components

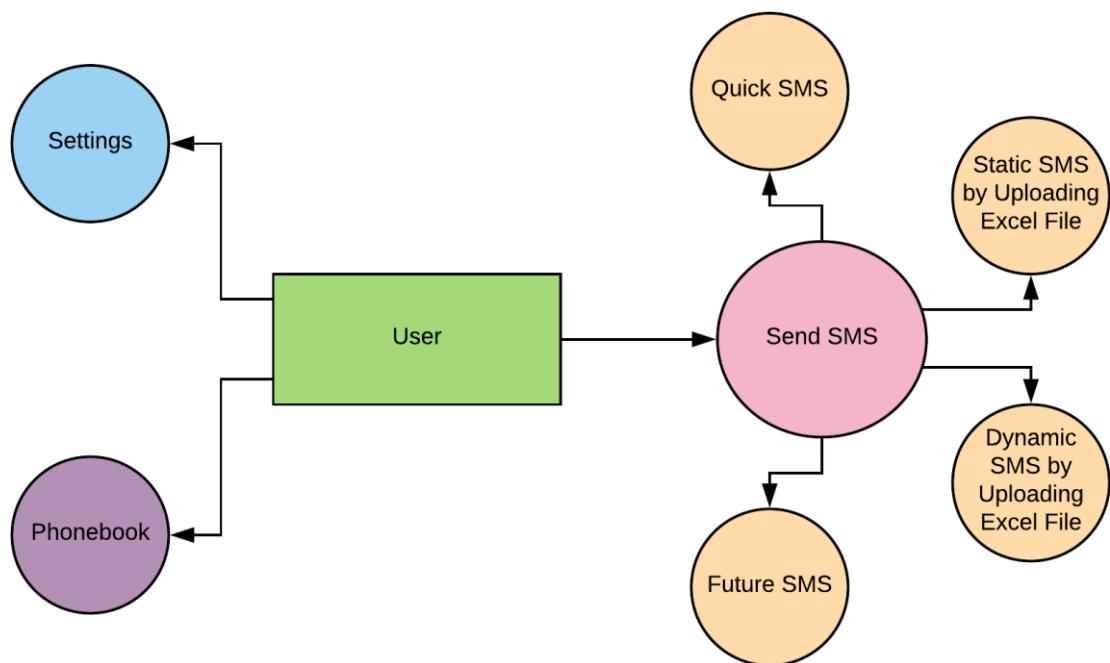
DFD can represent Source, destination, storage and flow of data using the following set of components –



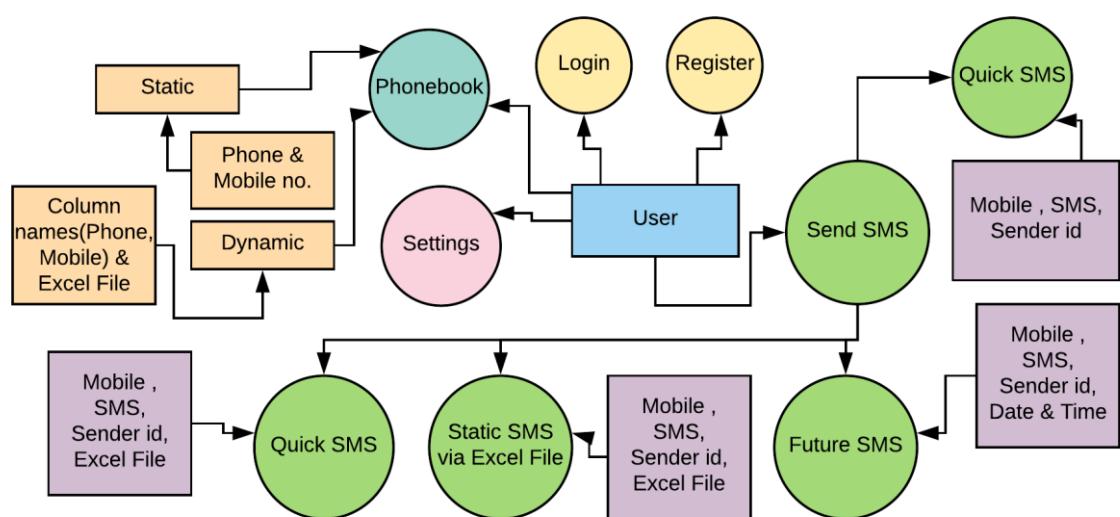
- **Entities** - Entities are source and destination of information data. Entities are represented by a rectangles with their respective names.
- **Process** - Activities and action taken on the data are represented by Circle or Round-edged rectangles.
- **Data Storage** - There are two variants of data storage - it can either be represented as a rectangle with absence of both smaller sides or as an open-sided rectangle with only one side missing.
- **Data Flow** - Movement of data is shown by pointed arrows. Data movement is shown from the base of arrow as its source towards head of the arrow as destination.

LEVEL 0 – DFD (Data Flow Diagram)



LEVEL 1 – DFD (Data Flow Diagram)

LEVEL 2 – DFD (Data Flow Diagram)



Data Dictionary

Table structure for table branch

Column	Type	Null	Constraint
<i>id</i>	int(11)	No	Primary key
branchName	varchar(255)	Yes	-
branchDescription	varchar(255)	Yes	-

Table structure for table class

Column	Type	Null	Constraint
<i>id</i>	int(11)	No	Primary key
className	varchar(255)	Yes	-
classDescription	varchar(255)	Yes	-

Table structure for table designation

Column	Type	Null	Constraint
<i>id</i>	int(11)	No	Primary key
designationName	varchar(255)	Yes	-
designationDescription	varchar(255)	Yes	-

Table structure for table complain

Column	Type	Null	Constraint
<i>id</i>	int(11)	No	Primary key
complainSubject	varchar(255)	Yes	-
complainDescription	varchar(255)	Yes	-
complainDate	varchar(255)	Yes	-
complainReply	varchar(255)	Yes	-
complainReplyDate	varchar(255)	Yes	-
complainStatus	varchar(255)	Yes	-
loginId	int(11)	Yes	Foreign key
complainFileName	varchar(255)	Yes	-
complainFilePath	varchar(255)	Yes	-

Table structure for table feedback

Column	Type	Null	Constraint
<i>feedbackId</i>	int(11)	No	Primary key
feedbackSubject	varchar(255)	Yes	-
feedbackDescription	varchar(255)	Yes	-
starRating	int(11)	Yes	-
loginId	int(11)	Yes	Foreign key

Table structure for table futuresms

Column	Type	Null	Constraint
<i>futureSmsId</i>	int(11)	No	Primary key
mobile	varchar(255)	Yes	-
message	varchar(255)	Yes	-
senderId	varchar(255)	Yes	-
timestamp	bigint(20)	Yes	-
isSent	varchar(255)	Yes	-
loginId	int(11)	Yes	Foreign key

Table structure for table groupmembers

Column	Type	Null	Constraint
<i>groupMemberId</i>	int(11)	No	Primary key
groupNameld	int(11)	Yes	-
studentId	int(11)	Yes	Foreign key

Table structure for table groupnames

Column	Type	Null	Constraint
<i>groupNameld</i>	int(11)	No	Primary key
groupName	varchar(255)	Yes	-
loginId	int(11)	Yes	Foreign key

Triggers groupnames

Name	Time	Event	Definition
deleteGroupMembers	BEFORE	DELETE	BEGIN DELETE FROM `smsportal`.`groupmembers` WHERE `groupNameld`= OLD.groupNameld; END

Table structure for table login

Column	Type	Null	Constraint
<i>id</i>	int(11)	No	Primary key
email	varchar(255)	Yes	-
password	varchar(255)	Yes	-
userRoll	varchar(255)	Yes	-

Table structure for table semester

Column	Type	Null	Constraint
<i>id</i>	int(11)	No	Primary key
semesterNumber	int(11)	Yes	-

Table structure for table senderid

Column	Type	Null	Constraint
<i>id</i>	int(11)	No	Primary key
senderIdName	varchar(255)	Yes	-

Table structure for table smshistory

Column	Type	Null	Constraint
<i>smsHistoryId</i>	int(11)	No	Primary key
mobileNo	longtext	Yes	-
message	varchar(255)	Yes	-
senderId	varchar(255)	Yes	-
loginId	int(11)	Yes	Foreign key
date	varchar(255)	Yes	-

Table structure for table smstemplate

Column	Type	Null	Constraint
<i>smsTemplateId</i>	int(11)	No	Primary key
smsTemplateName	varchar(255)	Yes	-
smsTemplateText	varchar(255)	Yes	-
loginId	int(11)	Yes	Foreign key

Table structure for table staff

Column	Type	Null	Constraint
<i>staffId</i>	int(11)	No	Primary key
staffFirstName	varchar(255)	Yes	-
staffLastName	varchar(255)	Yes	-
staffMobile	varchar(255)	Yes	-
loginId	int(11)	Yes	Foreign key
staffGender	varchar(255)	Yes	-
staffDesignation	varchar(255)	Yes	-
staffBranch	varchar(255)	Yes	-
staffAddress	varchar(255)	Yes	-

Table structure for table student

Column	Type	Null	Constraint
studentId	int(11)	No	Primary key
studentFirstName	varchar(255)	Yes	-
studentLastName	varchar(255)	Yes	-
studentMobile	varchar(255)	Yes	-
studentEmail	varchar(255)	Yes	-
studentGender	varchar(255)	Yes	-
studentEnrollmentNumber	varchar(255)	Yes	-
studentShift	varchar(255)	Yes	-
branchId	int(11)	Yes	Foreign key
semesterId	int(11)	Yes	Foreign key
classId	int(11)	Yes	Foreign key
loginId	int(11)	Yes	Foreign key

ER Diagram

ER Diagram

Database is absolutely an integral part of software system. To fully utilize ER Diagram in database engineering guarantee you to produce high quality database design to use in database creation, management and maintenance. An ER model also provides a means for communication.

What is an ER diagram (ERD)?

First of all, what is an Entity Relationship Diagram?

Entity Relationship Diagram, also known as ERD, ER Diagram or ER model, is a type of structural diagram for use in database design. An ERD contains different symbols and connectors that visualize two important information: **The major entities within the system scope**, and the **inter-relationships among these entities**.

And that's why it's called "Entity" "Relationship" diagram (ERD)!

When we talk about entities in ERD, very often we are referring to business objects such as people/role (e.g. Student), tangible business objects (e.g. Product), intangible business objects (e.g. Log), etc. "Relationship" is about how these entities relate to each other within the system.

ERD notations guide

An ER Diagram contains entities, attributes and relationships.

Entity

An ERD entity is a definable thing or concept within a system, such as object. In ER models, an entity is shown as a rounded rectangle, with its name on top and its attributes listed in the body of the entity shape.

Entity Attributes

Also known as column, an attribute is a property or characteristic of the entity that holds it.

An attribute has a name that describes the property and a type that describes the kind of attribute it is, such as varchar for a string, and int for integer.

Primary Key

Also known as PK, a primary key is a special kind of entity attribute that uniquely defines a record in a database table. In other words, there must not be two (or more) records that share the same value for the primary key attribute.

Foreign Key

Also known as FK, a foreign key is a reference to a primary key in table. It is used to identify the relationships between entities. Note that foreign keys need not to be unique. Multiple records can share the same values.

Relationship

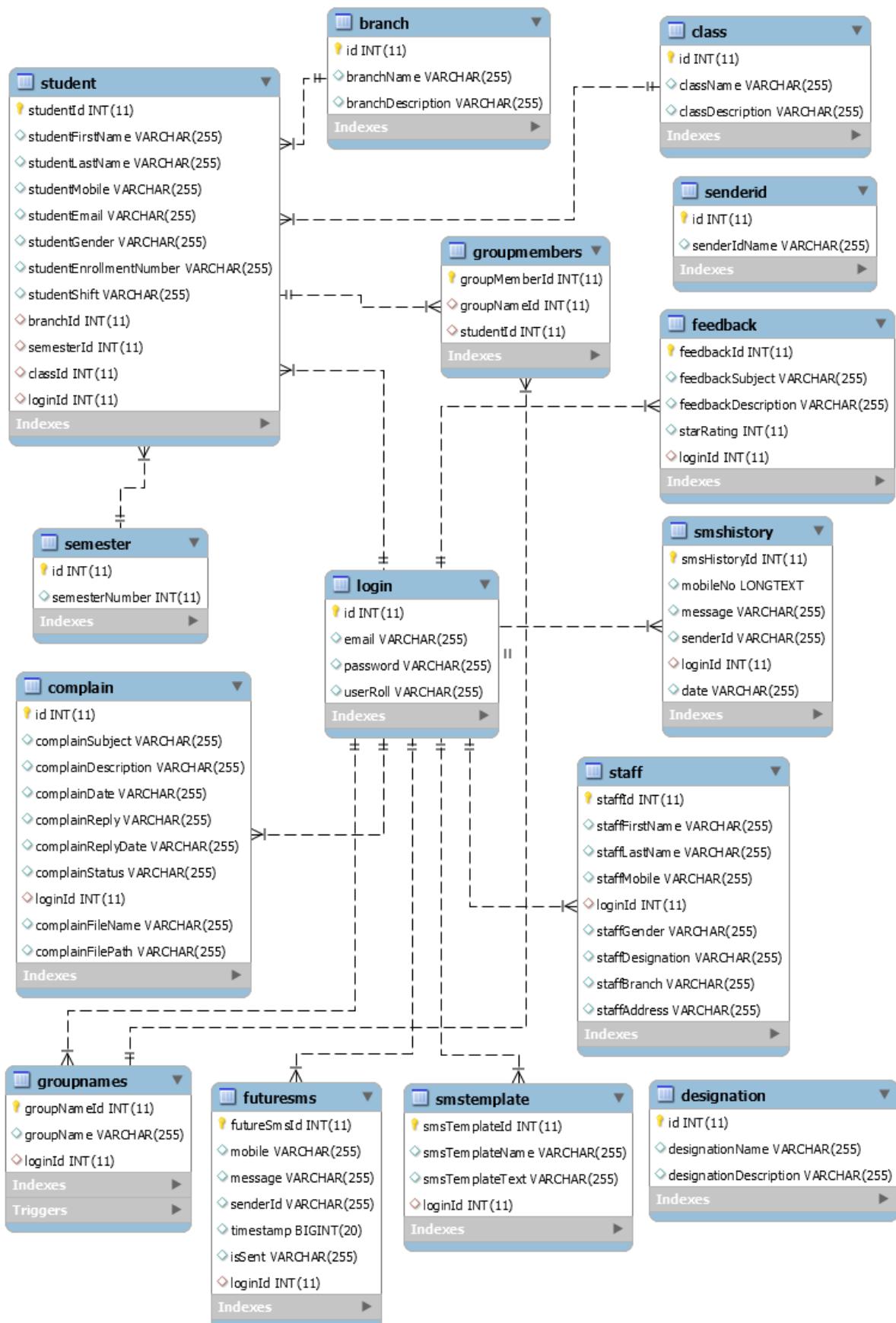
A relationship between two entities signifies that the two entities are associated with each other somehow.

Cardinality

Cardinality defines the possible number of occurrence in one entity which are associated to the number of occurrences in another.

1. One-to-One cardinality
2. One-to-Many cardinality
3. Many-to-Many cardinality

ER Diagram (Generated using MYSQL Workbench)

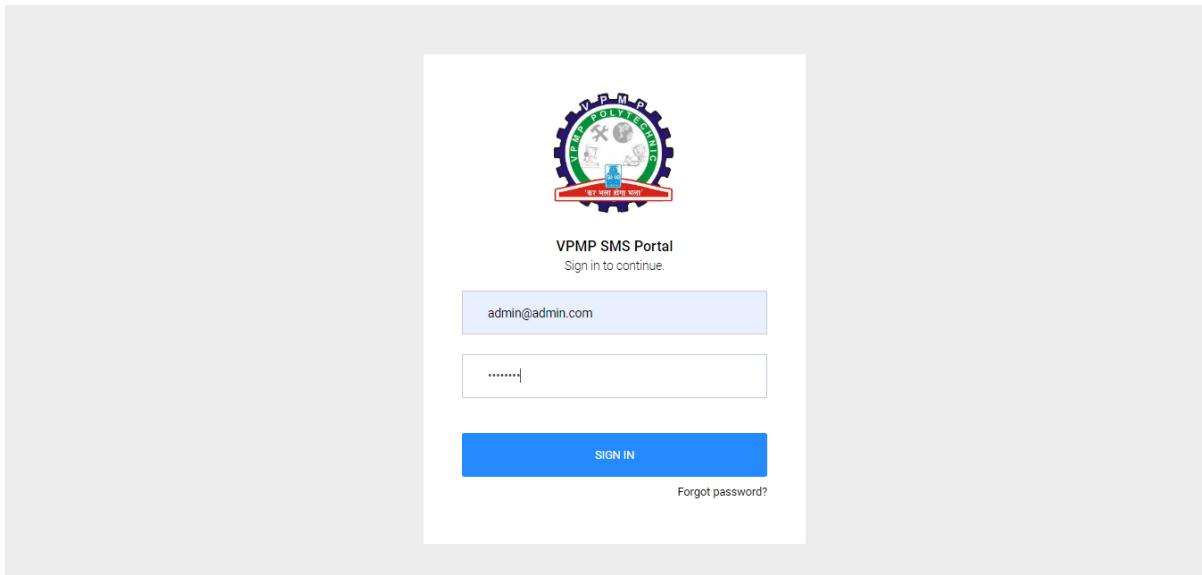


CHAPTER : 8

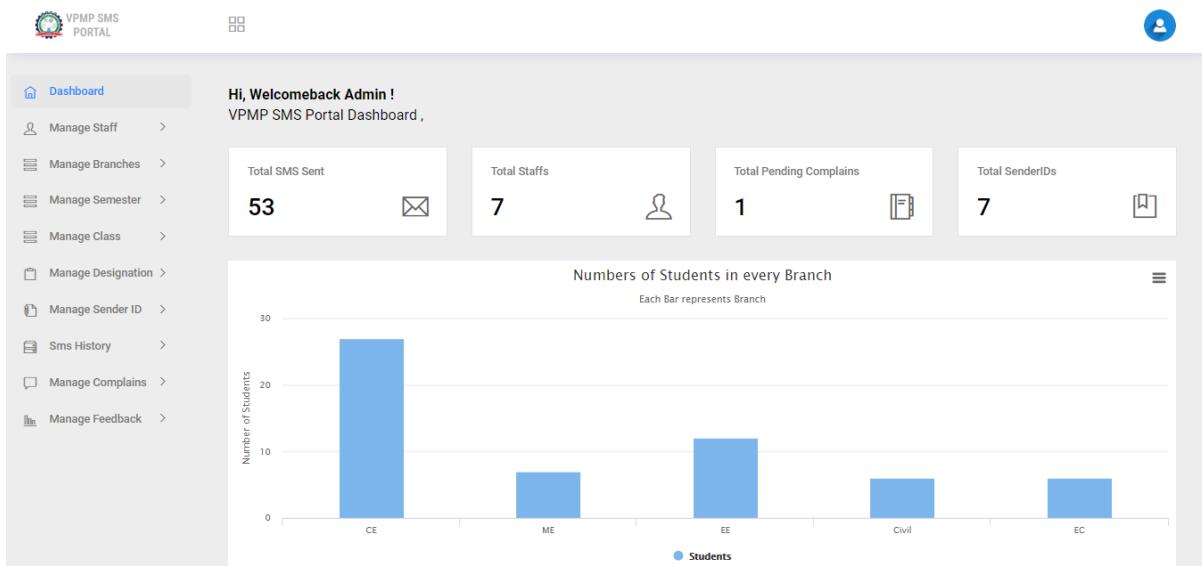
FORM LAYOUT

Admin Side

Login



DashBoard



Add & View Staff

VPMP SMS PORTAL

Dashboard

Manage Staff

- Add Staff
- View Staff

Manage Branches >

Manage Semester >

Manage Class >

Manage Designation >

Manage Sender ID >

Sms History >

Manage Complains >

Manage Feedback >

Add Staff

First Name: Yash

Last Name: Shah

Mobile no.: 8460674501

Email: 49yash@gmail.com

Gender: Male

Designation: Lecturer

Branch: CE

Address: T/46 Manmohan Apartment, near subhash-bridge, Ahmedabad - 380027

Submit

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VPMP SMS PORTAL

Dashboard

Manage Staff

- Add Staff
- View Staff

Manage Branches >

Manage Semester >

Manage Class >

Manage Designation >

Manage Sender ID >

Sms History >

Manage Complains >

Manage Feedback >

View Staff

Show 10 entries

User ID	First Name	Last Name	Mobile no.	Email	Gender	Designation	Branch	Address	Delete	Edit
6	Rupa	Shah	9228719900	rupa@gmail.com	female	Lecturer	CE	address	Delete	Edit
7	vaishali	mehta	9426622485	vkmehta224@gmail.com	female	Lecturer	CE	address	Delete	Edit
9	Yash	Shah	8460674501	49yash@gmail.com	male	Lecturer	CE	T/46 Manmohan Apartment, near subhash-bridge, Ahmedabad - 380027	Delete	Edit
10	Kushal	Shah	9016770123	kushal@gmail.com	male	HOD	ME	address	Delete	Edit
11	Staff	Staff	1234567890	staff@staff.com	male	HOD	CE	address	Delete	Edit
12	Staff1	Staff1	9874563210	staff1@staff.com	female	Lecturer	civil	address	Delete	Edit
13	Staff2	Staff2	7894568795	staff2@staff.com	male	Lecturer	EE	address	Delete	Edit
14	Staff3	Staff3	6547898558	staff3@staff.com	male	HOD	EE	address	Delete	Edit

Showing 1 to 8 of 8 entries

Search

Previous 1 Next

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Example of SMS received by Staff

12:12 AM

38



HP-VPMPPPT



12:12 AM

Your Username is 49yash@gmail.com
And Password is [707937](#) for VPMP
SMS portal



Text message



Edit & Delete Staff

VPMP SMS PORTAL

Dashboard

- Manage Staff >
- Manage Branches >
- Manage Semester >
- Manage Class >
- Manage Designation >
- Manage Sender ID >
- Sms History >
- Manage Complains >
- Manage Feedback >

Edit Staff

First Name	Yash
Last Name	Shah
Mobile no.	8460674501
Email	49yash@gmail.com
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female
Designation	Lecturer
Branch	CE
Address	T/46 Manmohan Apartment, near subhash-bridge, Ahmedabad - 380027

Submit

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Staff

localhost:8080 says

Are you sure you want to delete this item?

OK Cancel

View Staff

User ID	First Name	Last Name	Mobile no.	Email	Gender	Designation	Branch	Address	Delete	Edit
6	Rupa	Shah	9228719900	rupa@gmail.com	female	Lecturer	CE	address	Delete	Edit
7	vaishali	mehta	9426622485	vkmehtha224@gmail.com	female	Lecturer	CE	address	Delete	Edit
9	Yash	Shah	8460674501	49yash@gmail.com	male	Lecturer	CE	T/46 Manmohan Apartment, near subhash-bridge, Ahmedabad - 380027	Delete	Edit
10	Kushal	Shah	9016770123	kushal@gmail.com	male	HOD	ME	address	Delete	Edit
11	Staff	Staff	1234567890	staff@staff.com	male	HOD	CE	address	Delete	Edit
12	Staff1	Staff1	9874563210	staff1@staff.com	female	Lecturer	civil	address	Delete	Edit
13	Staff2	Staff2	7894568795	staff2@staff.com	male	Lecturer	EE	address	Delete	Edit
14	Staff3	Staff3	6547898558	staff3@staff.com	male	HOD	EE	address	Delete	Edit

Showing 1 to 8 of 8 entries

Previous 1 Next

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Add Branch

VPMP SMS PORTAL

Dashboard

- Manage Staff >
- Manage Branches > **Add Branch**
- Manage Semester >
- Manage Class >
- Manage Designation >
- Manage Sender ID >
- Sms History >
- Manage Complains >
- Manage Feedback >

Edit Branches

Branch Name	CE
Branch Description	Computer Engineering

Submit

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View Branch

VPMP SMS PORTAL

Dashboard

- Manage Staff >
- Manage Branches > **View Branches**
- Manage Semester >
- Manage Class >
- Manage Designation >
- Manage Sender ID >
- Sms History >
- Manage Complains >
- Manage Feedback >

View Branch

Show 10 entries	Search			
Branch ID	Branch Name	Branch Description	Delete	Edit
1	CE	Computer Engineering	Delete	Edit
2	ME	Mechanical Engineering	Delete	Edit
3	EE	Electrical Engineering	Delete	Edit
4	Civil	Civil Engineering	Delete	Edit
5	EC	Electronics & Communication Engineering	Delete	Edit

Showing 1 to 5 of 5 entries

Previous **1** Next

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Add Semester

VPMP SMS PORTAL

Dashboard

Manage Staff >

Manage Branches >

Manage Semester ▾

- » Add Semester
- » View Semester

Manage Class >

Manage Designation >

Manage Sender ID >

Sms History >

Manage Complains >

Manage Feedback >

Add Semester

Semester Number

6

Submit

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View Semester

VPMP SMS PORTAL

Dashboard

Manage Staff >

Manage Branches >

Manage Semester ▾

- » Add Semester
- » View Semester

Manage Class >

Manage Designation >

Manage Sender ID >

Sms History >

Manage Complains >

Manage Feedback >

Show 10 entries

Semester ID	Semester Number	Delete	Edit
1	1	Delete	Edit
2	2	Delete	Edit
3	3	Delete	Edit
4	4	Delete	Edit
5	5	Delete	Edit
6	6	Delete	Edit

Showing 1 to 6 of 6 entries

Previous 1 Next

Add Class

VPMP SMS PORTAL

Dashboard

Manage Staff >

Manage Branches >

Manage Semester >

Manage Class >

- [Add Class](#)
- [View Classes](#)

Manage Designation >

Manage Sender ID >

Sms History >

Manage Complains >

Manage Feedback >

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View Class

VPMP SMS PORTAL

Dashboard

Manage Staff >

Manage Branches >

Manage Semester >

Manage Class >

- [Add Class](#)
- [View Classes](#)

Manage Designation >

Manage Sender ID >

Sms History >

Manage Complains >

Manage Feedback >

Show 10 entries

Search

Class ID	Class Name	Class Description	Delete	Edit
1	16CE1	Computer Engineering, 2016 batch, Class - 1	Delete	Edit
2	16CES	Computer Engineering, 2016 batch, Second Shift class	Delete	Edit
3	17CE1	Computer Engineering, 2017 batch, Class - 1	Delete	Edit
4	17CE2	Computer Engineering, 2017 batch, Class - 2	Delete	Edit
5	16ME1	Mechanical Engineering, 2016 batch, Class - 1	Delete	Edit
6	16ME2	Mechanical Engineering, 2016 batch, Class - 2	Delete	Edit
7	16EE2	Computer Engineering, 2016 batch, Class - 2	Delete	Edit
8	18EE2	Electrical Engineering, 2018 batch, Class - 1	Delete	Edit

Showing 1 to 8 of 8 entries

Previous **1** Next

Add Designation

Designation Name: Principal

Designation Description: Principal

Submit

View Designation

Designation ID	Designation Name	Designation Description	Delete	Edit
1	Lecturer	Lecturer	Delete	Edit
2	HOD	Head of the Department	Delete	Edit
4	Principal	Principal	Delete	Edit

Showing 1 to 3 of 3 entries

Add Sender Id

VPMP SMS PORTAL

Dashboard

Manage Staff >

Manage Branches >

Manage Semester >

Manage Class >

Manage Designation >

Manage Sender ID ▾

- Add Sender Id
- View Sender Id

Sms History >

Manage Complains >

Manage Feedback >

Add Sender ID

VPMPPPT

Submit

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View Sender Id

VPMP SMS PORTAL

Dashboard

Manage Staff >

Manage Branches >

Manage Semester >

Manage Class >

Manage Designation >

Manage Sender ID ▾

- Add Sender Id
- View Sender Id**

Sms History >

Manage Complains >

Manage Feedback >

Show 10 entries

Search

SenderId ID	SenderId Name	Delete	Edit
1	VPMPPIN	Delete	Edit
2	VPMPPPT	Delete	Edit
4	VPMPCCE	Delete	Edit
5	VPMPPME	Delete	Edit
6	VPMPEC	Delete	Edit
7	VPMPEE	Delete	Edit
8	VPMPCI	Delete	Edit

Showing 1 to 7 of 7 entries

Previous 1 Next

Edit Sender Id

VPMP SMS PORTAL

- Dashboard
- Manage Staff >
- Manage Branches >
- Manage Semester >
- Manage Class >
- Manage Designation >
- Manage Sender ID > **Edit Sender ID**
- Sms History >
- Manage Complains >
- Manage Feedback >

Sender ID

Submit

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Delete Sender Id

localhost:8080 says

Are you sure you want to delete this item?

SenderId ID	SenderId Name	Delete	Edit
1	VPMPIN	Delete	Edit
2	VPMPPT	Delete	Edit
4	VPMPC	Delete	Edit
5	VPMPE	Delete	Edit
6	VPMPEC	Delete	Edit
7	VPMPEE	Delete	Edit
8	VPMPCI	Delete	Edit

Showing 1 to 7 of 7 entries

View Staff for SMS History

Staffs

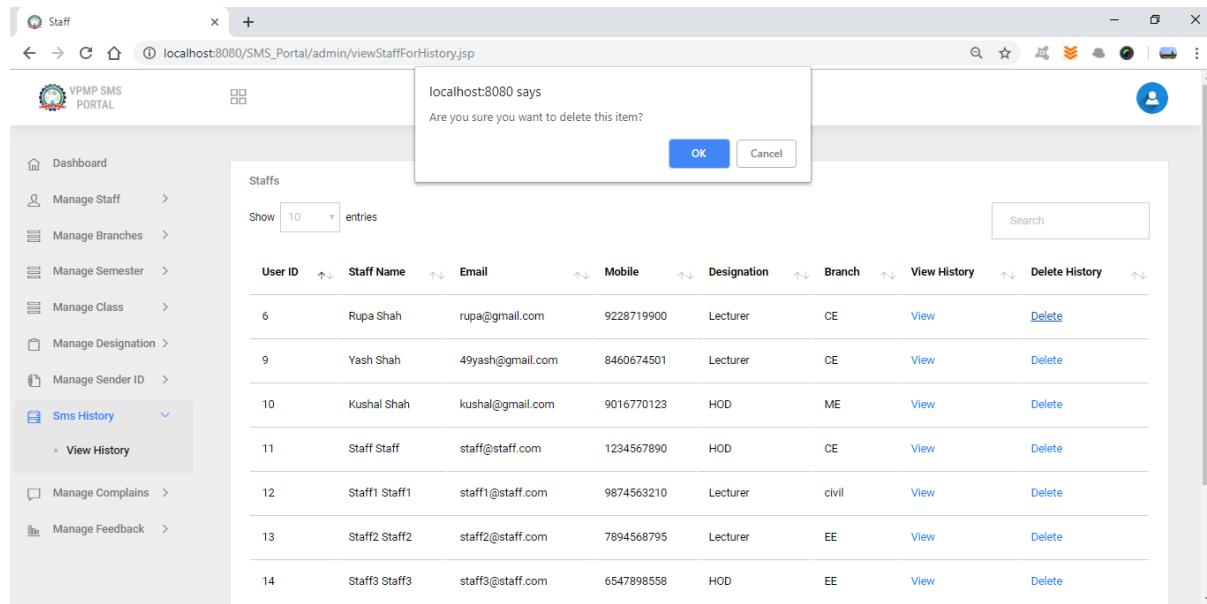
User ID	Staff Name	Email	Mobile	Designation	Branch	View History	Delete History
6	Rupa Shah	rupa@gmail.com	9228719900	Lecturer	CE	View	Delete
9	Yash Shah	49yash@gmail.com	8460674501	Lecturer	CE	View	Delete
10	Kushal Shah	kushal@gmail.com	9016770123	HOD	ME	View	Delete
11	Staff Staff	staff@staff.com	1234567890	HOD	CE	View	Delete
12	Staff1 Staff1	staff1@staff.com	9874563210	Lecturer	civil	View	Delete
13	Staff2 Staff2	staff2@staff.com	7894568795	Lecturer	EE	View	Delete

View Particular Staff's History

SMS History Of Yash Shah

SMS History ID	Mobiles	Sender Id	Date	Message
60	8460674501	VPMPIN	20/03/2019 09:00:52 AM	hi yash , your result is = fail
61	9408226076	VPMPIN	20/03/2019 09:00:53 AM	hi vatsa , your result is = pass
62	8000726709	VPMPPPT	20/03/2019 09:22:40 AM	test test test
63	9638872404	VPMPCPE	20/03/2019 09:27:56 AM	happy birthday
64	8460674501	VPMPIN	20/03/2019 09:35:46 AM	hello , marks = 90 , absent = yes
65	9408226076	VPMPIN	20/03/2019 09:35:47 AM	hello , marks = 75 , absent = yes

Delete Staff History



View Complain

View Complain

Complain ID	Complainant	Subject	Description	Reply	View	action
4	Yash Shah	Quick SMS	It takes time in loading.	Solved.	No File Uploaded	
5	Yash Shah	Dynamic SMS	Can you tell me which file should I upload while sending dynamic SMS. Use '.csv' File.		Download File	Reply
6	Staff Staff	My profile	Please update my email to xyz@gmail.com		Download File	Reply

Showing 1 to 3 of 3 entries

Previous **1** Next

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Reply Complain

Reply To Complain

Subject	Personal
Complain Description	Please change my email to xyz@gmail.com.
Reply	okay!

Submit

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View Feedback

View Feedback

Show 10 entries

Feedback ID	Given By	Subject	Description	Stars
1	Kushal Shah	Dynamic SMS	Great Logic	★★★★★
2	Yash Shah	Group SMS	Nice.	★★★★★
3	Staff Staff	Dashboard	Nice work on Statistics	★★★★★
4	Yash Shah	Test	Test	★★★

Change Password

Change Password

Enter Current Password: admin123

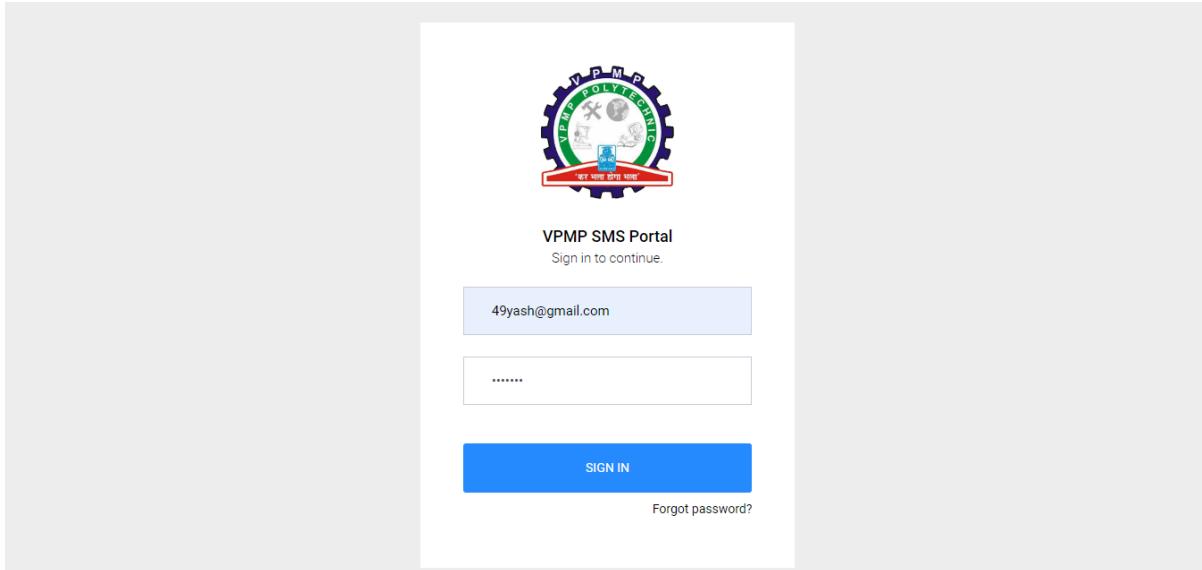
Enter New Password: admin@789

Confirm Password: admin@789

Submit

Staff (User) Side

Login



Dashboard

Hi, Welcomeback Yash Shah !
VPMP SMS Portal Dashboard ,

My Students 28

Pending Future SMS 0

My Groups 3

My SMS Templates 4

Numbers of Students in every Branch

Each Bar represents Branch

Number of Students

CE

ME

EE

Civil

EC

Students

LET'S CHAT!

Add Student

The screenshot shows the 'Add Student' page of the VPMP SMS Portal. On the left, there's a sidebar with various menu items like Dashboard, Manage Student (selected), Quick SMS, Group SMS, Future SMS, Static SMS, Dynamic SMS, SMS Template, SMS History, Complain, and Feedback. The main area is titled 'Add Student' and contains fields for First Name (Yash), Last Name (Shah), Mobile no. (8798875445), Email (yash@gmail.com), Gender (Male selected), Enrollment no. (166540307100), Shift (1), Branch (CE), Semester (6), and Class (16CE1). A blue 'Submit' button is at the bottom.

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Add Student Dynamically

VPMP SMS PORTAL

Manage Student

- Add Statically
- Add Dynamically**
- View Students

Quick SMS >

Group SMS >

Future SMS >

Static SMS >

Dynamic SMS >

SMS Template >

SMS History >

Complain >

Feedback >

Add Student Dynamically

Branch: CE

Semester: 6

Class: 16CE2

Shift: 1

Upload Excel(.csv) File: Choose File students.csv

Only upload '.csv' file and use the format of given file and also don't forget to change to 'Number' Format before saving your file. [Click here](#) to download that file.

Submit

Example of Excel File

studentSampleFile - Excel

	FirstName	LastName	MobileNumber	Email	Gender	EnrollmentNumber
1	Yash	Shah	9876543210.00	yash@gmail.com	male	166540307100.00
2	Dev	Thakkar	9876543210.00	dev@gmail.com	female	166540307102.00
3	Tirth	Vora	9876543210.00	tirth@gmail.co	male	166540307103.00
4	kushal	shah	9876543210.00	kushal@gmail.com	male	166540307104.00
5						
6						
7						

View Student 1

View Student

Show	entries								
Student ID	Student Firstname	Student Lastname	Student Mobile	Student Email	Student Gender	Student Enrollment no.	Student Shift	Student Branch	
2	dev	thekkar	9638872404	dev@gmail.com	female	166540307112	2	EC	
3	tirth	vora	1875454501	tirth@gmail.com	male	16654030122	2	CE	
6	kushal	shah	9016770303	hhh@gmail.com	male	166540307123	2	CE	
10	Yash	Shah	8460674501	yash@gmail.com	male	166540307100	2	CE	
11	rupa	shah	9228719900	rupa@gmail.com	female	166540307112	2	CE	
12	vaishal	shah	9879171941	vaishal@gmail.com	male	166540307112	2	CE	
14	tirth	vora	5555555555	hhh@gmail.com	male	166540307123	2	EE	
15	harsh	vyes	5555555555	t@g.com	male	166540307100	1	EE	
16	harsh	vyes	8888888888	kkk@g.com	female	166540307100	2	Civil	

View Student 2

View Student

Student Mobile	Student Email	Student Gender	Student Enrollment no.	Student Shift	Student Branch	Student Semester	Student Class	Delete	Edit
8872404	dev@gmail.com	female	166540307112	2	EC	2	16CE3	Delete	Edit
5454501	tirth@gmail.com	male	16654030122	2	CE	4	17CE2	Delete	Edit
6770303	hhh@gmail.com	male	166540307123	2	CE	1	17CE1	Delete	Edit
0674501	yash@gmail.com	male	166540307100	2	CE	2	17CE2	Delete	Edit
8719900	rupa@gmail.com	female	166540307112	2	CE	2	17CE2	Delete	Edit
9171941	vaishal@gmail.com	male	166540307112	2	CE	2	17CE2	Delete	Edit
5555555	hhh@gmail.com	male	166540307123	2	EE	4	17CE1	Delete	Edit
5555555	t@g.com	male	166540307100	1	EE	5	16CES	Delete	Edit

Edit & Delete Student

VPMP SMS PORTAL

Edit Student

First Name	Yash
Last Name	Shah
Mobile no.	9876543210
Email	yash@gmail.com
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female
Enrollment no.	166540307100
Shift	1
Branch	EC
Semester	1
Class	18EE2

Submit

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View Students

localhost:8080 says
Are you sure you want to delete this item?

OK Cancel

Student Email	Student Gender	Student Enrollment no.	Student Shift	Student Branch	Student Semester	Student Class	Delete
dev@gmail.com	female	166540307112	2	EC	2	16CES	Delete
tirth@gmail.com	male	16654030122	2	CE	4	17CE2	Delete
hh@gmail.com	male	166540307123	2	CE	1	17CE1	Delete
yash@gmail.com	male	166540307100	2	CE	2	17CE2	Delete
rupa@gmail.com	female	166540307112	2	CE	2	17CE2	Delete

Send Quick SMS

Quick SMS

Phone number: 8460674501

Message: Hello , How are you?

Template: Select Sms Template

Sender ID: VPMPIN

Send

Send Quick SMS via Phonebook

Select Students: *Yash 166540307100 17CE2 CE

Message: test test test

Template: test

Sender ID: VPMPPPT

Send

Create Group SMS

VPMP SMS PORTAL

Create Group

Group Name: b4 batch

Select Students:

- * dev 166540307112 16CE3 EC
- * birth 166540309122 17CE2 CE
- * nisha 166540307112 17CE2 CE
- * varshali 166540307112 17CE2 CE
- * kushal 166540307400 17CE1 Civil
- * Yash 166540307100 17CE1 EE

Create Group

View Groups

VPMP SMS PORTAL

View Group

Group ID	Group Name	View	Delete	Edit
2	b2 batch	View	Delete	Edit
3	b3 batch	View	Delete	Edit
8	b4 batch	View	Delete	Edit

Showing 1 to 3 of 3 entries

Previous **1** Next

View Group Members

Group Member ID	First Name	Last Name	Mobile	En. No.	Branch	Semester	Class	Delete
19	dev	thakkar	9638872404	166540307112	EC	2	16CES	Delete
20	tirth	vora	1875454501	16654030122	CE	4	17CE2	Delete
21	rupa	shah	9228719900	166540307112	CE	2	17CE2	Delete
22	vaishal	shah	9879171941	166540307112	CE	2	17CE2	Delete
23	kushal	shah	9016770303	166540307400	Civil	4	17CE1	Delete
24	Yash	Shah	9876543210	166540307100	EE	3	17CE1	Delete

Showing 1 to 6 of 6 entries

[Previous](#) 1 [Next](#)

Send Group SMS

Group:

Message:

Template:

Sender ID:

Send Future SMS

VPMP SMS PORTAL

Dashboard

- Manage Student >
- Quick SMS >
- Group SMS >
- Future SMS** >
 - Send Future SMS
 - Send Via Phonebook
 - View Future SMS
- Static SMS >
- Dynamic SMS >
- SMS Template >
- SMS History >
- Complain >
- Feedback >

Send Future Sms

Phone number: 8460674501

Message: happy birthday

Date and Time: 03/25/2019 12:00 AM

Template: bday

Sender ID: VPMPPPT

Send

Send Future SMS via Phonebook

VPMP SMS PORTAL

Dashboard

- Manage Student >
- Quick SMS >
- Group SMS >
- Future SMS** >
 - Send Future SMS
 - Send Via Phonebook
 - View Future SMS
- Static SMS >
- Dynamic SMS >
- SMS Template >
- SMS History >
- Complain >
- Feedback >

Send Future Sms Via Phonebook

Select Students: dev166540307112 16CE5 EC, tirth16654030122 17CE2 CE, kushal166540307123 17CE1 CE, Yash166540307100 17CE2 CE

Message: Tomorrow is a visit to an Tech Company.

Date and Time: 03/30/2019 09:00 AM

Template: Select Sms Template

Sender ID: VPMPC

Send

View Future SMS

Future SMS ID	Mobile	Message	Sender ID	Date and Time	IS Sent?	Delete
27	8460674501	Tomorrow is test of AJAVA unit - 5.	VPMPPPT	2019-03-24 02:22	no	Delete
26	9016770303	Tomorrow is test of AJAVA unit - 5.	VPMPPPT	2019-03-24 02:22	no	Delete
25	8460674501	test test test	VPMPPME	2019-03-24 13:52	yes	Delete
24	9016770303	test test test	VPMPPME	2019-03-24 13:52	yes	Delete
23	8460674501	happy birthday	VPMPCCE	2019-03-24 01:37	yes	Delete
22	9016770303	happy birthday	VPMPCCE	2019-03-24 01:37	yes	Delete
21	9016770303	hello, how are you?	VPMPPPT	2019-03-24 01:20	yes	Delete

Delete Future SMS

localhost:8080 says
Are you sure you want to delete this item?

[OK](#) [Cancel](#)

Future SMS ID	Mobile	Message	Sender ID	Date and Time	IS Sent?	Delete
27	8460674501	Tomorrow is test of AJAVA unit - 5.	VPMPPPT	2019-03-24 02:22	yes	Delete
26	9016770303	Tomorrow is test of AJAVA unit - 5.	VPMPPPT	2019-03-24 02:22	yes	Delete
25	8460674501	test test test	VPMPPME	2019-03-24 13:52	yes	Delete
24	9016770303	test test test	VPMPPME	2019-03-24 13:52	yes	Delete
23	8460674501	happy birthday	VPMPCCE	2019-03-24 01:37	yes	Delete

Send Static SMS

Send Static SMS

Enter column value for sending SMS

Message

Template

Sender ID

Upload Excel(.csv) File

Only upload 'csv' file and use the format of given file and also don't forget to change to 'Number' Format before saving your file. [Click here](#) to download that file.

Send

Example of Excel File

	Mobile Number	Keyword for Sending SMS (This is User defined)
1	8460674555.00	yes
2	9228717777.00	no
3	9016777894.00	no
4	9879177548.00	yes
5	8487879878.00	yes
6		
7		
8		
9		

Send Dynamic SMS

Send Dynamic SMS

Enter column value for sending SMS
yes

Message
Hello @#3, your marks for @#4 subject are @#5.

Template
Select Sms Template

Sender ID
Select Sender Id

Upload Excel(.csv) File
Choose File No file chosen

To send Dynamic SMS, Just use '@#columnNumber'. Here 'columnNumber' will be the Number of column in Excel File. You can use as many '@#columnNumber' as you want and there no limitation for it.

(Note : There should be single space() before & after '@#columnName'. The First 2 columns in file are reserved for Mobile Number & Keyword for sending SMS.)

LET'S CHAT!

Example of Excel File

Mobile Number	Keyword	Data - 1	Data - 2	Data - 3	Data - N (Add any no. of Columns)															
9016777897.00	yes	value 1	value 1	value 1	value 1															
8460677856.00	no	value 2	value 2	value 2	value 2															
9879178954.00	yes	value N	value N	value N	value N															

Create SMS Template

The screenshot shows the 'Create SMS Template' page. On the left is a sidebar with navigation links: Dashboard, Manage Student, Quick SMS, Group SMS, Future SMS, Static SMS, Dynamic SMS, and a expanded 'SMS Template' section containing 'Create SMS Template' and 'View SMS Templates'. Below these are links for SMS History and Complain. The main area has a title 'Create SMS Template'. It contains two input fields: 'Template Name' with the value 'hello' and 'Template Text' with the value 'Hello , How are you?'. A progress bar at the bottom right of the text area shows '20 / 160'. A blue 'Submit' button is located below the text area.

View SMS Template

The screenshot shows the 'View SMS Template' page. The sidebar is identical to the previous screenshot. The main area has a title 'View SMS Template' and includes a search bar and a dropdown for selecting the number of entries to show (set to 10). A table lists four SMS templates with columns for 'SMS Template ID', 'Template Name', 'Template Text', 'Delete' (link), and 'Edit' (link). The table rows are as follows:

SMS Template ID	Template Name	Template Text	Delete	Edit
6	bday	happy birthday	Delete	Edit
8	test	test test test	Delete	Edit
9	abc	abc abc abc	Delete	Edit
12	hello	Hello , How are you?	Delete	Edit

At the bottom, it says 'Showing 1 to 4 of 4 entries' and features 'Previous' and 'Next' buttons.

View SMS History

SMS History

SMS History ID	Mobiles	Sender ID	Date	Message
111	8460674501	VPMPPPT	25/03/2019 01:49:43 AM	Tomorrow is test of AJAVA unit - 5.
110	9016770303	VPMPPPT	25/03/2019 01:49:43 AM	Tomorrow is test of AJAVA unit - 5.
109	8460674501	VPMPPPT	25/03/2019 01:48:42 AM	Tomorrow is test of AJAVA unit - 5.
108	8460674501,	16CE01	25/03/2019 12:57:58 AM	happy birthday
107	8460674501	VPMPPPT	24/03/2019 08:49:06 PM	test test test

Add Complain

Add Complain

Subject	Personal
Description	Please Change my email to xyz@gmail.com.
Upload File	<input type="file"/> Choose File No file chosen

Submit

View Complain

Complain ID	Subject	Description	View	Reply	Delete
17	Personal	Please change my email to xyz@gmail.com.	No File Uploaded		Delete

Showing 1 to 1 of 1 entries

[Previous](#) 1 [Next](#)

Add Feedback

Subject: Dynamic SMS

Description: The Logic is amazing.

★★★★★

[Submit](#)

View Feedback

Feedback ID	Subject	Description	Stars
3	Dashboard	Nice work on Statistics	
11	Dynamic SMS	The Logic is amazing.	

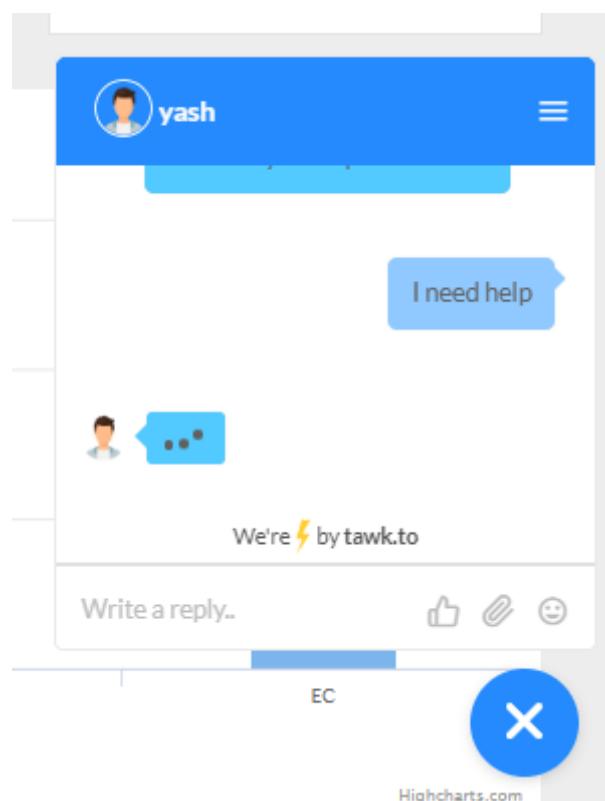
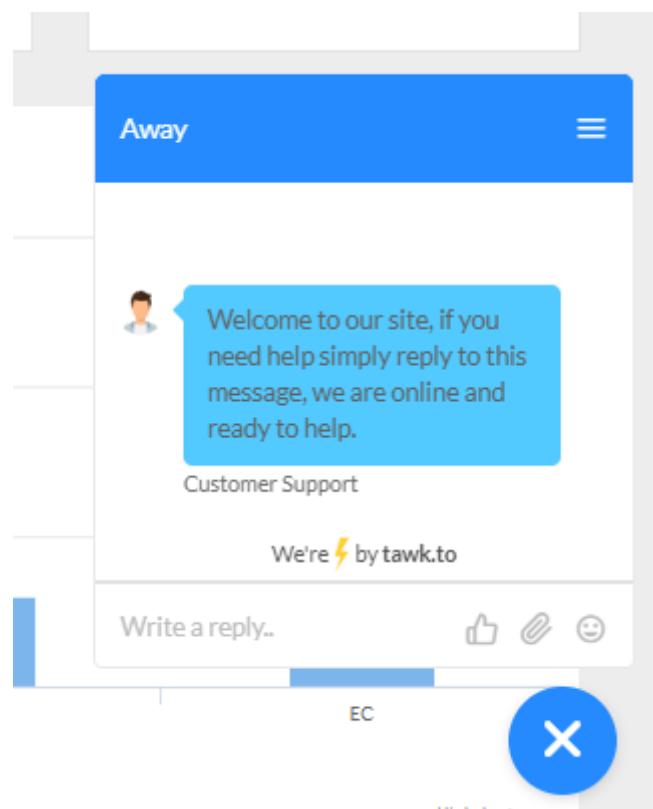
Showing 1 to 2 of 2 entries

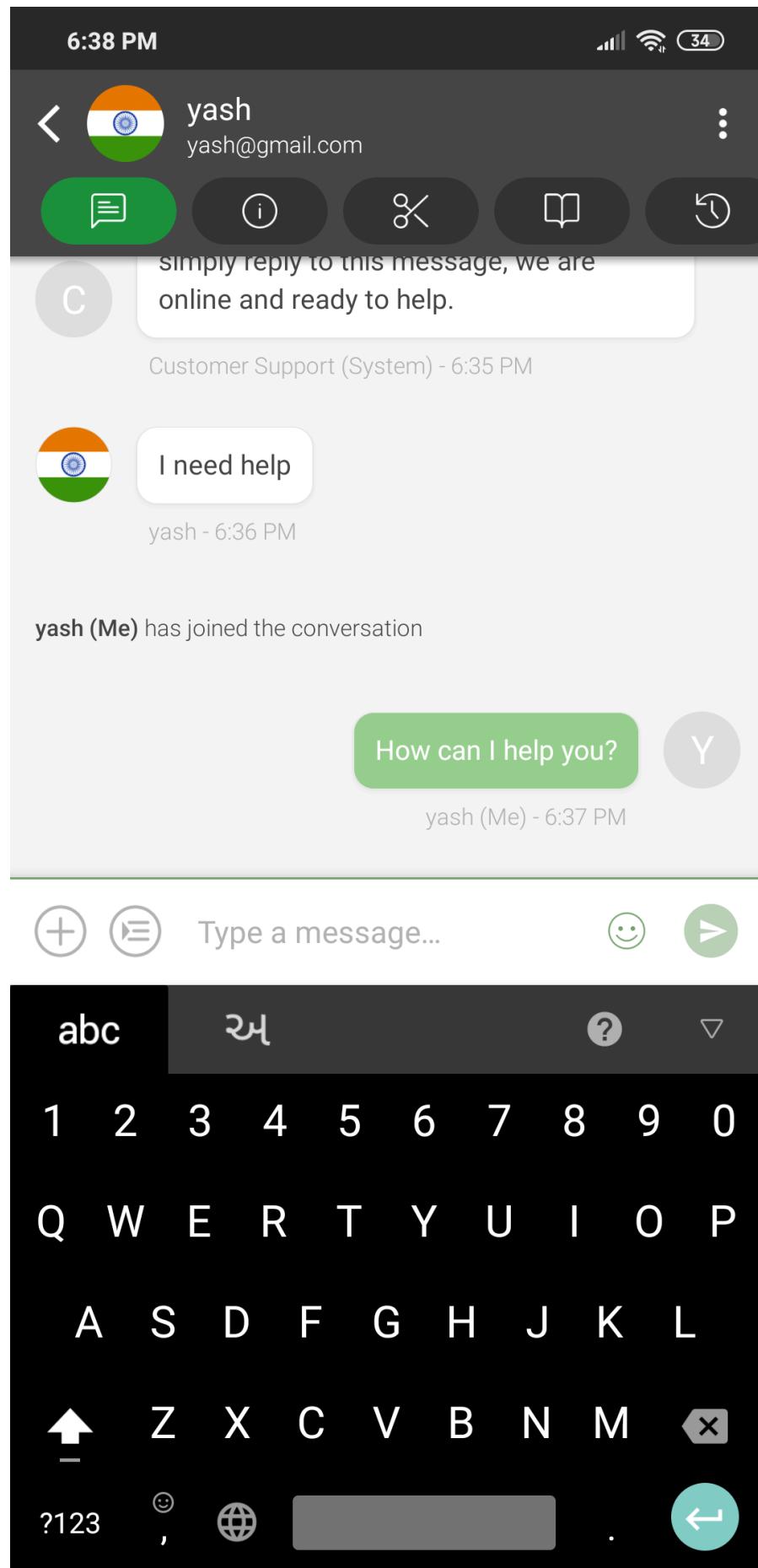
Change Password

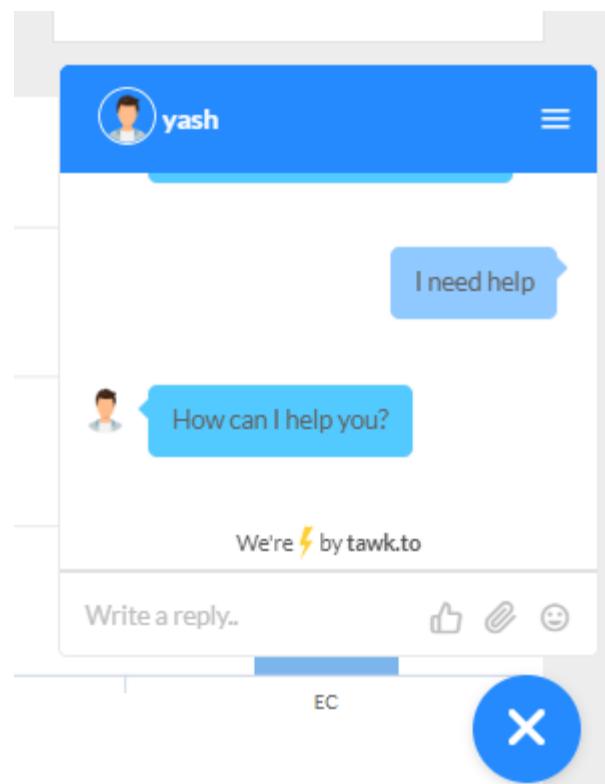
localhost8080 says

New Password and Confirm Password should be same

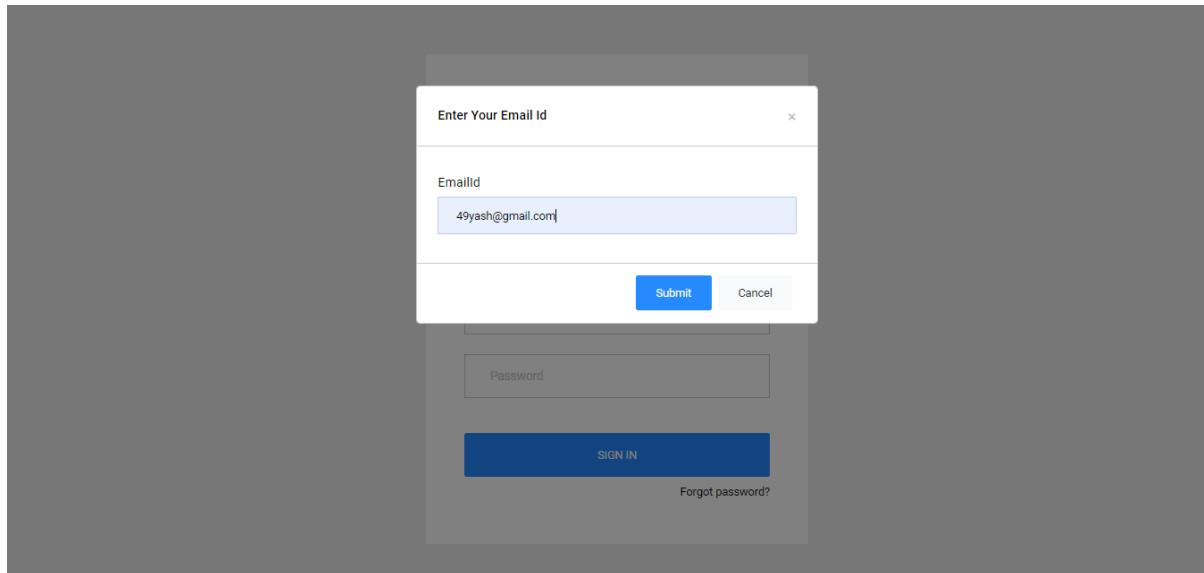
Live Chat



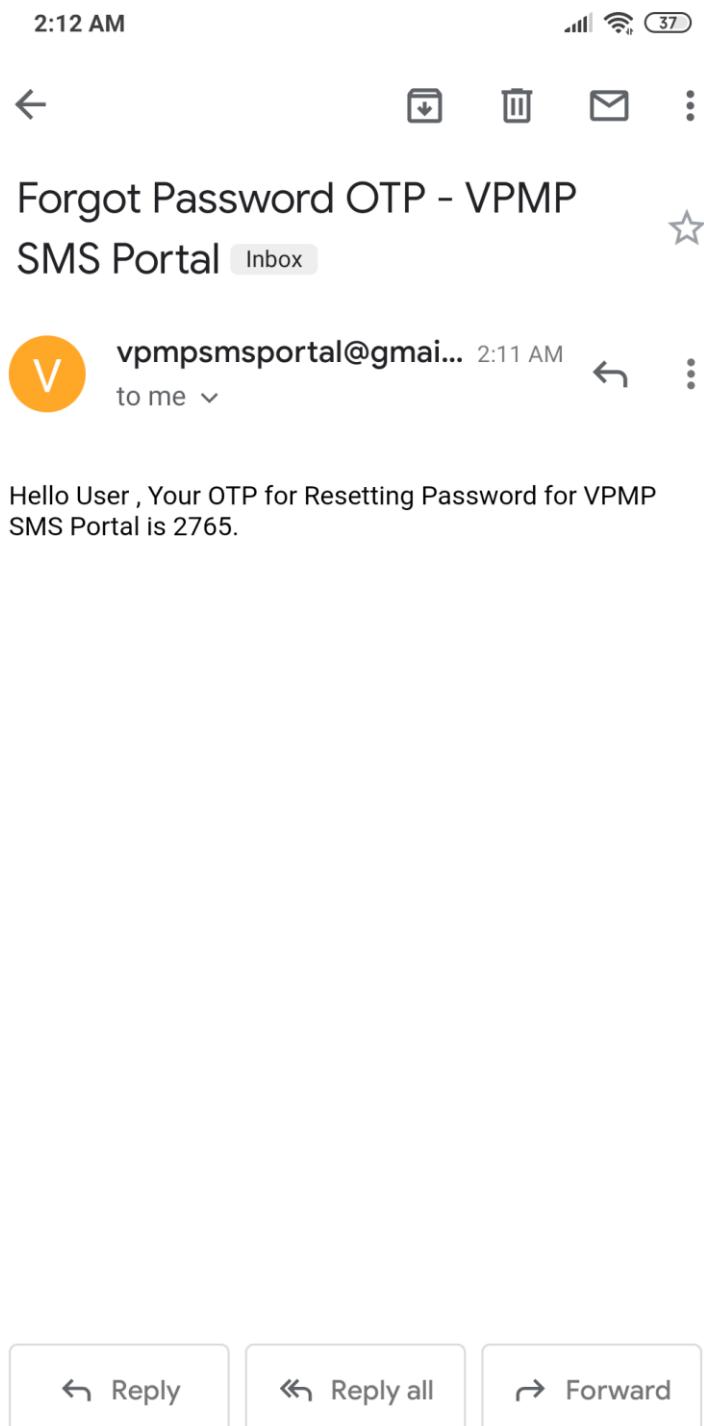




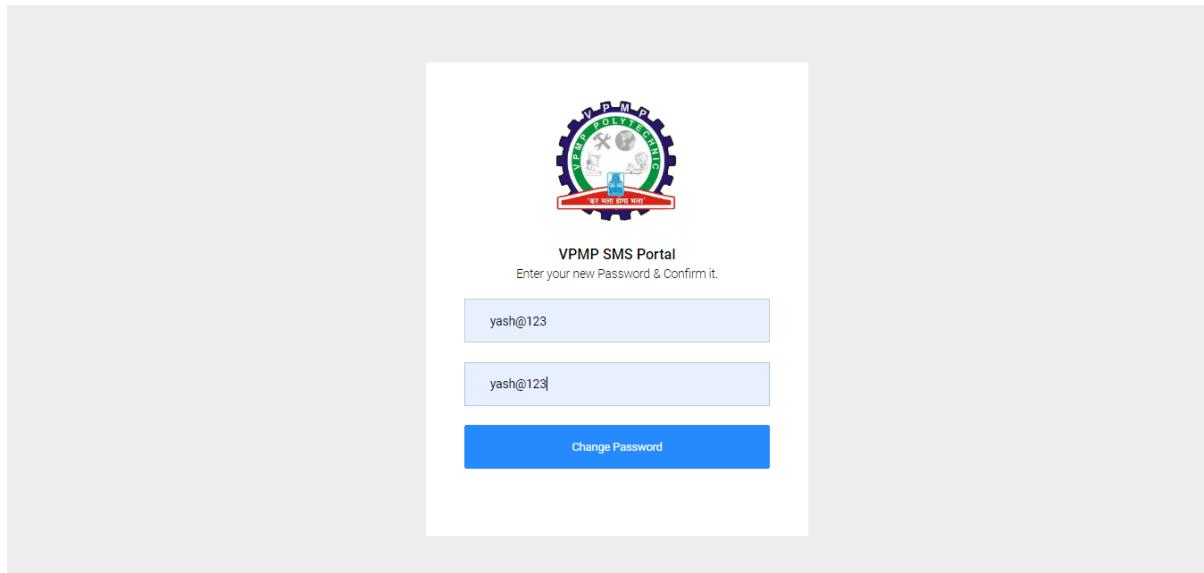
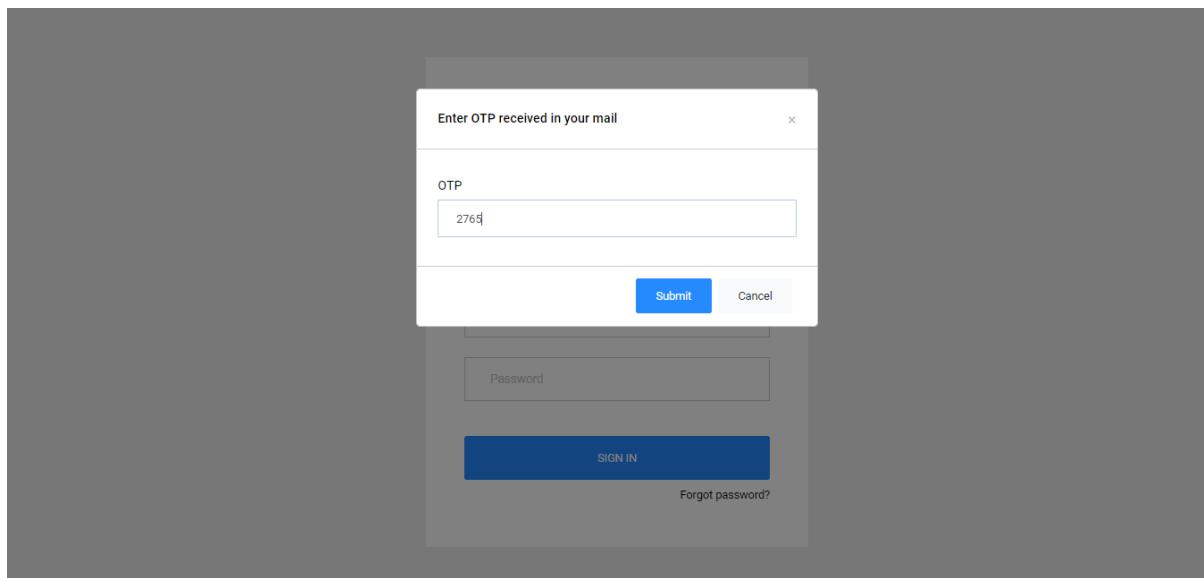
Forgot Password



Example of Email



VPMP SMS Portal



CHAPTER : 9

FURTHER ENHANCEMENT

FURTHER ENHANCEMENTS

- User will be able to send Multi-language SMS, like Gujarati, Hindi etc..
- User will be able to Flash SMS.

Basically a Flash SMS is a Temporary SMS.

A **Flash SMS** is a type of text message that - without user action - appears directly and full screen on the mobile phone. **Flash SMS** is useful in case of emergencies or if you want to send confidential information, such as a one-time password (OTP).

- Further it will also provide SMS API.
- Future Group SMS sending.
- User can also send Documents / Files via SMS.
- Also user will be able to send links via SMS , and can know about that the link is opened or not.

CHAPTER : 10

CONCLUSION

Conclusion

In nutshell we can say that we have learned a lot from the Project development. We have understood the difference between the project and program after developing the project. Earlier we were lot of confused about what is Project and From where to Start? But as we have started analyzing it we come to know about it and we have understood it thoroughly.

We have also learned how to design database, how to apply security login in your website, how to develop a dynamic website and much more.

For completing such a big task we have got a help from various people from our college and from our company. Our external guide has explained us about How project is developed and it's working. So from them we have learned the Business logic. So from them we have learned the Business logic and its terms. From Our internal guide we have learnt how convert that business logic into project. In short we have learnt technic aspect from our internal guide. So we are thankful to both of them.

CHAPTER : 11

BIBALIOGRAPHY

BIBLIOGRAPHY

The List of Websites that I have referred for project development is as follows. I have referred them for System Analysis. I also have refereed many websites for the development of my own website, which are as follows,

Websites :-

- ❖ **www.Google.com**
- ❖ **www.youtube.com**
- ❖ **www.javatpoint.com**
- ❖ **www.geeksforgeeks.org**
- ❖ **www.stackoverflow.com**
- ❖ **www.oracle.com**
- ❖ **www.mysql.com**