

**PROJECT REPORT  
ON  
“STUDENT MANAGEMENT SYSTEM”**



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**UNDER GUIDANCE OF  
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**SUBMITTED TO  
SHREE SWAMINARAYAN MAHAVIDHYALAY**

**FOR DEGREE OF  
BACHELOR OF COMPUTER APPLICATIONS**



**SHREE SWAMINARAYANMAHAVIDHYALAY**

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# Student Management System

## Acknowledgement

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**Thanking You  
Drashti Parvdiya**

# Student Management System

## TABLE OF CONTENT

SR NO.	DESCRIPTION	PAGE NO.
<b>01</b>	<b>Introduction</b>	<b>4</b>
	1.1 Background	<b>4</b>
	1.2 Objective	<b>4</b>
	1.3 Purpose	<b>5</b>
	1.4 Scope	<b>5</b>
	1.5 Applicability	<b>5</b>
<b>02</b>	<b>Requirement &amp; Analysis</b>	
	2.1 Problem Definition	<b>6</b>
	2.2 Requirement Specification	<b>6</b>
	2.3 Hardware & Software Requirements	<b>7</b>
	2.4 Planning & Scheduling	<b>8</b>
<b>03</b>	<b>System Design</b>	
	3.1 Over all system design using designing tools	<b>9</b>
	3.2 Data Dictionary	<b>20</b>
	3.3 Input / Output Design	<b>26</b>
<b>04</b>	<b>Testing &amp; Implementation</b>	
	4.1 Testing Approaches Used	<b>49</b>
	4.2 Test Cases	<b>50</b>
	4.3 Implementation Approaches	<b>51</b>
<b>05</b>	<b>Conclusion</b>	
	5.1 Limitation of System	<b>52</b>
	5.2 Future Scope of System	<b>52</b>
	5.3 Bibliography	<b>53</b>

# Student Management System

## **1. INTRODUCTION**

### **1.1 Background**

- Student management system can handle all the detail about a student. The detail includes courses available in college.
- Syllabus and Papers based on courses.
- The student management system is an automated version of manual Student management system.
- Student management system is a management information system for education establishments to manage student data

### **1.2 Objective**

- Student Management system is a management information system for education establishments to manage student data.
- It provide capabilities for adding courses, syllabus, papers, Faculties details ect..
- Ensure data integrity, privacy, and security in an open-access environment.

# Student Management System

## **1.3 Purpose**

Basic purposes of this system are...

- The Development of Academic related programs
- Monitor the progress of the students in academic matters
- Teacher management and resource
- Management of faculties data
- Management of course, syllabus and papers data with download link.

## **1.4 Scope**

- Without a Student management System, managing and maintaining the details of the courses is a tedious job for any organization.
- Student Information system will store all the details of the faculties, courses, syllabus and papers including basic information.

## **1.5 Applicability**

- To store course, syllabus, papers and faculties details.
- 24\*7 availability of information.
- No wait for queue.
- Easy to download files.
- 24\*7 opens for online searching.

# Student Management System

## **2. Requirement & Analysis**

### **2.1 Problem Definition**

- In the manual system students are not able to get syllabus details as well as papers of old examinations.
- Parents are also not able to view detail of faculties.
- Syllabus and papers not manage course wise.

### **2.2 Requirement Specification**

- College admin can able to manage courses as they want.
- They can able to upload syllabus data with file and also papers based on syllabus and subject.
- Also papers can be freely downloaded from any students.
- Admin wants to manage and display faculties' data.

# Student Management System

## 2.3 Hardware & Software Requirements

Software and Hardware needed for the development and implementation of our project.

- **Hardware Requirements**

There are following Hardware is required for this system

- ✓ 512 MB RAM
- ✓ 80 GB Hard Disk
- ✓ Print
- ✓ Power Backup
- ✓ Telephone & Internet Connection

- **Software Requirements**

There are following Software is required for this system

- ✓ Macromedia Dreamweaver 8
- ✓ PHP (Hypertext Pre –Processor)
- ✓ JavaScript
- ✓ CSS (Cascading Style Sheets)
- ✓ MySQL
- ✓ WAMP Server
- ✓ Adobe Photoshop CS3
- ✓ Internet Explorer, Mozilla Firefox, Google Chrome, etc.

# Student Management System

## Tools/Platform, Hardware and Software Requirement Specifications

### ❖ Tools/Platform :

#### ➤ **Adobe Photoshop CS3**

- For the layout designing of the entire project we have used Photoshop extensively. It's really a great application that allowed us to create different styles of images and backgrounds that nitrating with CSS made a really neat looking web application for us.
- We have also used it to make stylish page dividers for our project documentation.

#### ➤ **Macromedia Dreamweaver 8**



- Macromedia Dreamweaver 8 is the industry-leading web development Tool, enabling users to efficiently design, develop and maintain Standards -based websites and applications.
- Macromedia Dreamweaver is one of the most popular web-design programs in the industry. It allows you to develop professional websites and its user-friendly interface; tools and features have made it the must-have package for web designers.
- Dreamweaver uses both Cascading Style Sheets (CSS) and Hyper Text Markup Language (HTML) and it has good code-editing support features that will help you to write the CSS and HTML. Alongside writing the code, you can use the visual layout tools to build your sites and make them look exceptional.



# Student Management System

## ➤ PHP (Hypertext Pre-Processor)



- PHP is a scripting language originally designed for producing dynamic web pages. It has evolved to include a command line interface capability and can be used in standalone graphical applications.
- While PHP was originally created by Rasmus Lerdorf in 1995, the main implementation of PHP is now produced by The PHP Group and serves as the defector standard for PHP as there is no formal specification.
- PHP is free software released under the PHP License; however it is incompatible with the GNU General Public License (GPL), due to restrictions on the usage of the term PHP.
- PHP is a widely-used general-purpose scripting language that is especially suited for web development and can be embedded into HTML. PHP has grown from simple beginnings to a full-fledged Object Oriented language that can run both windows and UNIX/Linux platforms.
- The main advantage of using PHP over other platforms, such as Java or .Net, are that it is smaller, much simpler to install, and more lightweight, needing only a fraction of the memory of the Java Runtime of the .Net CLR. Since it is an open source language and we do not have to purchase it, it seemed best choice for the development of our project as we had to maintain a very low budget throughout out project.
- **Features of PHP**

The following features of PHP are

- ✓ Simplicity
- ✓ Portability
- ✓ Speed
- ✓ Open Source
- ✓ Extensible
- ✓ XML and Database Support

# Student Management System

## ➤ JavaScript

- JavaScript is a scripting language used to enable programmatic access to objects within other applications. It was developed by Brendan Eich.
- It is primarily used in the form of client-side JavaScript for the development of dynamic websites. JavaScript is a dialect of the ECMAScript standard and is characterized as a dynamic, weakly typed, prototype-based language with first-class functions.
- JavaScript was influenced by many languages and was designed to look like Java, but be easier for non-programmers to work with.
- JavaScript, despite the name, is essentially unrelated to the Java programming language even though the two do have superficial similarities.
- Both languages use syntaxes influenced by that of C syntax, and JavaScript copies many Java names and naming conventions.
- The language's name is the result of a co-marketing deal between Netscape and Sun, in exchange for Netscape bundling Sun's Java runtime with their then-dominant browser. The key design principles within JavaScript are inherited from the self and Scheme programming languages.
- "JavaScript" is a trademark of Sun Microsystems. It was used under license for technology invented and implemented by Netscape Communications and current entities such as the Mozilla Foundation.

## ➤ CSS (Cascading Style Sheets)

- Cascading Style Sheets (CSS) is a style sheet language used to describe the presentation (that is, the look and formatting) of a document written in a markup language. It's most common application is to style web pages written in HTML and XHTML, but the language can be applied to any kind of XML document, including SVG and XUL.
- CSS is designed primarily to enable the separation of document content (written in HTML or a similar markup language) from document presentation, including elements such as the colors, fonts, and layout.
- This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content (such as by allowing for table less web design).

## Student Management System

- CSS can also allow the same markup page to be presented in different styles for different rendering methods, such as on-screen, in print, by voice (when read out by a speech-based browser or screen reader) and on Braille-based, tactile devices.

### ➤ MySQL



- MySQL is a high-performance, multiuser relational database management system for database driven software applications.
- Designed around three fundamental principles-speed, stability and ease of use, and freely available under the GNU (General Public License). MySQL has been dubbed “the world’s most popular open-source database “by its parent company, MySQL AB.
- Today, MySQL is available for a wide variety of platforms, including Linux, MacOS and Windows.

### Features of MySQL

The following features of MySQL are

- ✓ Speed
- ✓ Reliability
- ✓ Security
- ✓ Scalability and Portability
- ✓ Ease of Use
- ✓ Compliance with Existing Standards
- ✓ Wide Application Support
- ✓ Easy Licensing Policy

# Student Management System

## ➤ WAMP Server



## WampServer

- **WampServer** is a Web development platform on Windows that allows you to create dynamic Web applications with Apache2, PHP, MySQL and MariaDB.
- **WampServer** automatically installs everything you need to intuitively develop Web applications. You will be able to tune your **server** without even touching its setting files.
- WampServer is a Web development platform on Windows that allows you to create dynamic Web applications with Apache2, PHP, MySQL and MariaDB.
- WampServer automatically installs everything you need to intuitively develop Web applications. You will be able to tune your server without even touching its setting files.
- Best of all, WampServer is available for free (under GPL license) in both 32 and 64 bit versions. Wampserver is not compatible with Windows XP, SP3, or Windows Server 2003.

# Student Management System

## 2.4 Planning & Scheduling

### 2.4.1 Planning

Activities	Time Duration
Requirement Gathering	3 weeks
Design	3 weeks
Development & Coding	4 weeks
Quality Assurance	2 weeks
Testing & Implementation	2 weeks

### 2.4.2 Scheduling

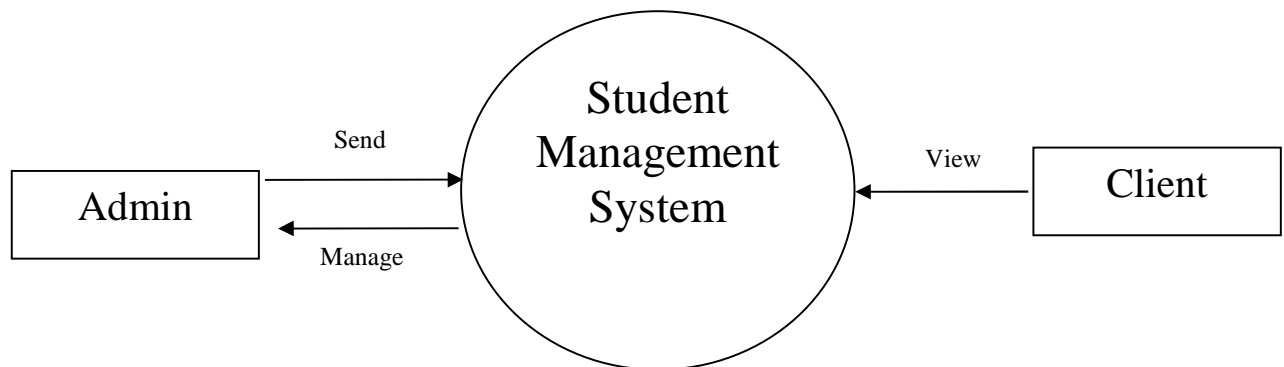
Gantt chart

	December	January	February	March
Requirement Gathering				
Design				
Development & Coding				
Quality Assurance				
Testing & Implementation				

# Student Management System

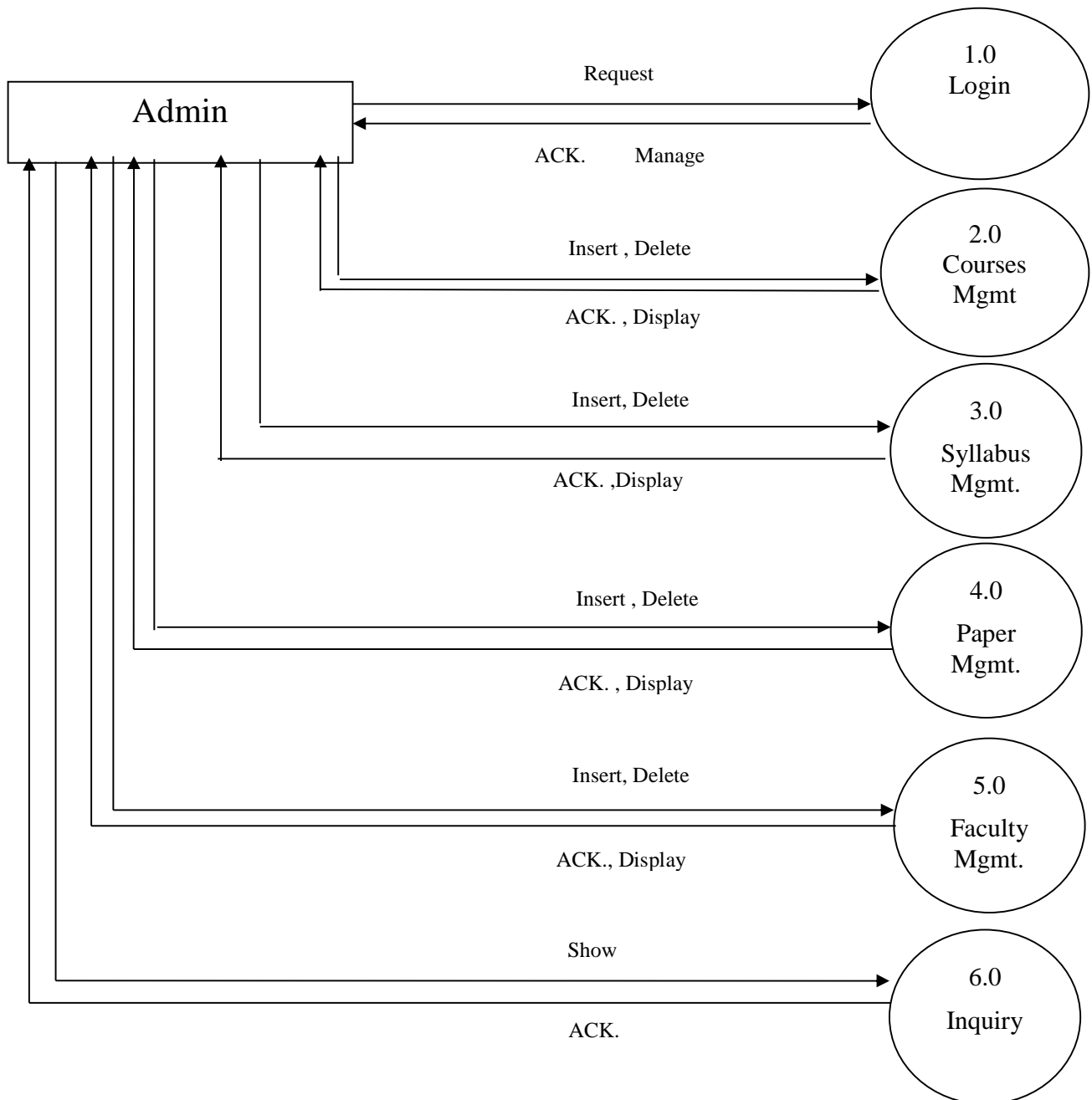
## 3. System Design

### 3.1.1 Data Flow Diagram



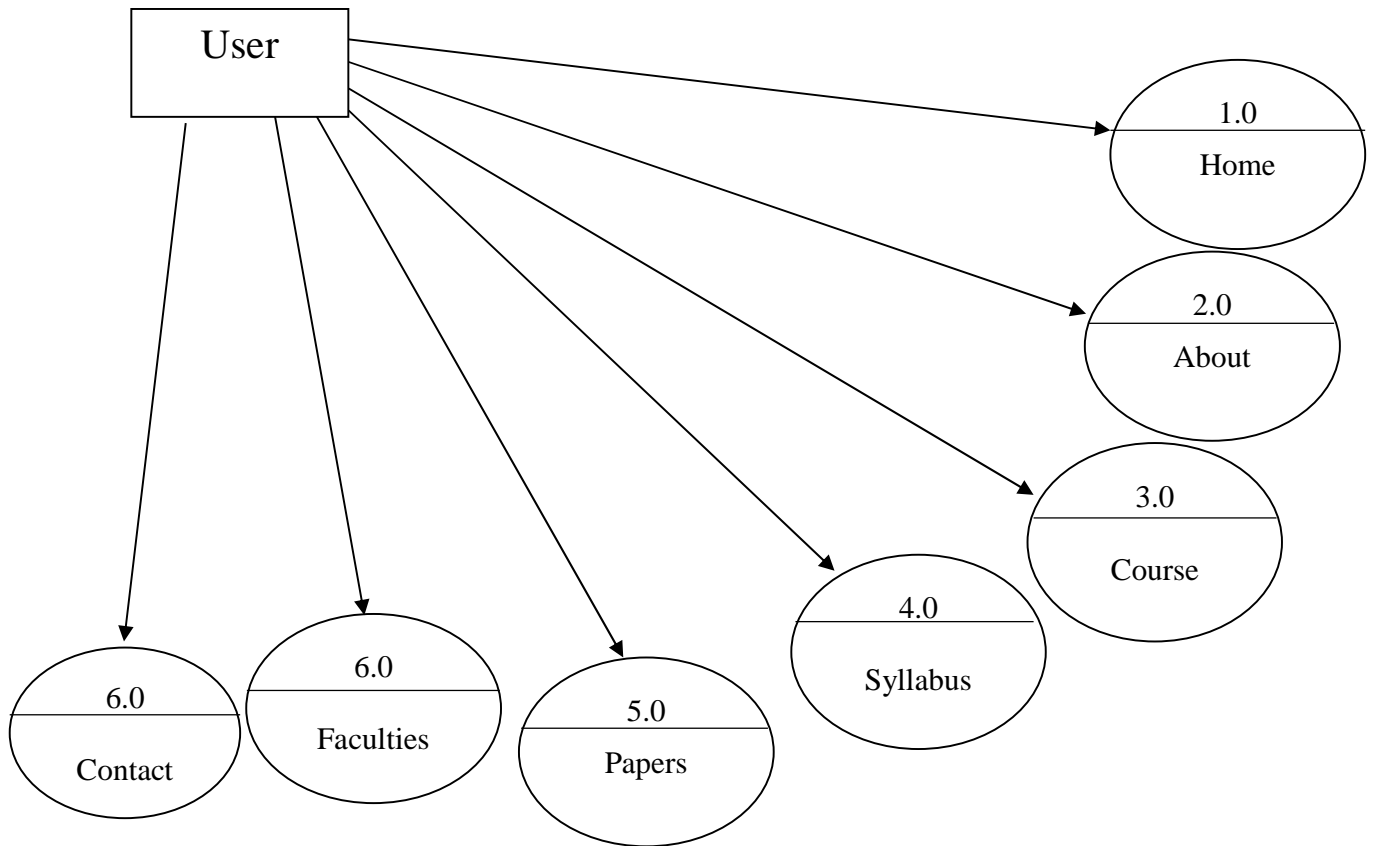
### Context or 0 - Level DFD

## Student Management System



### 1<sup>st</sup>Level DFD (Admin)

## Student Management System

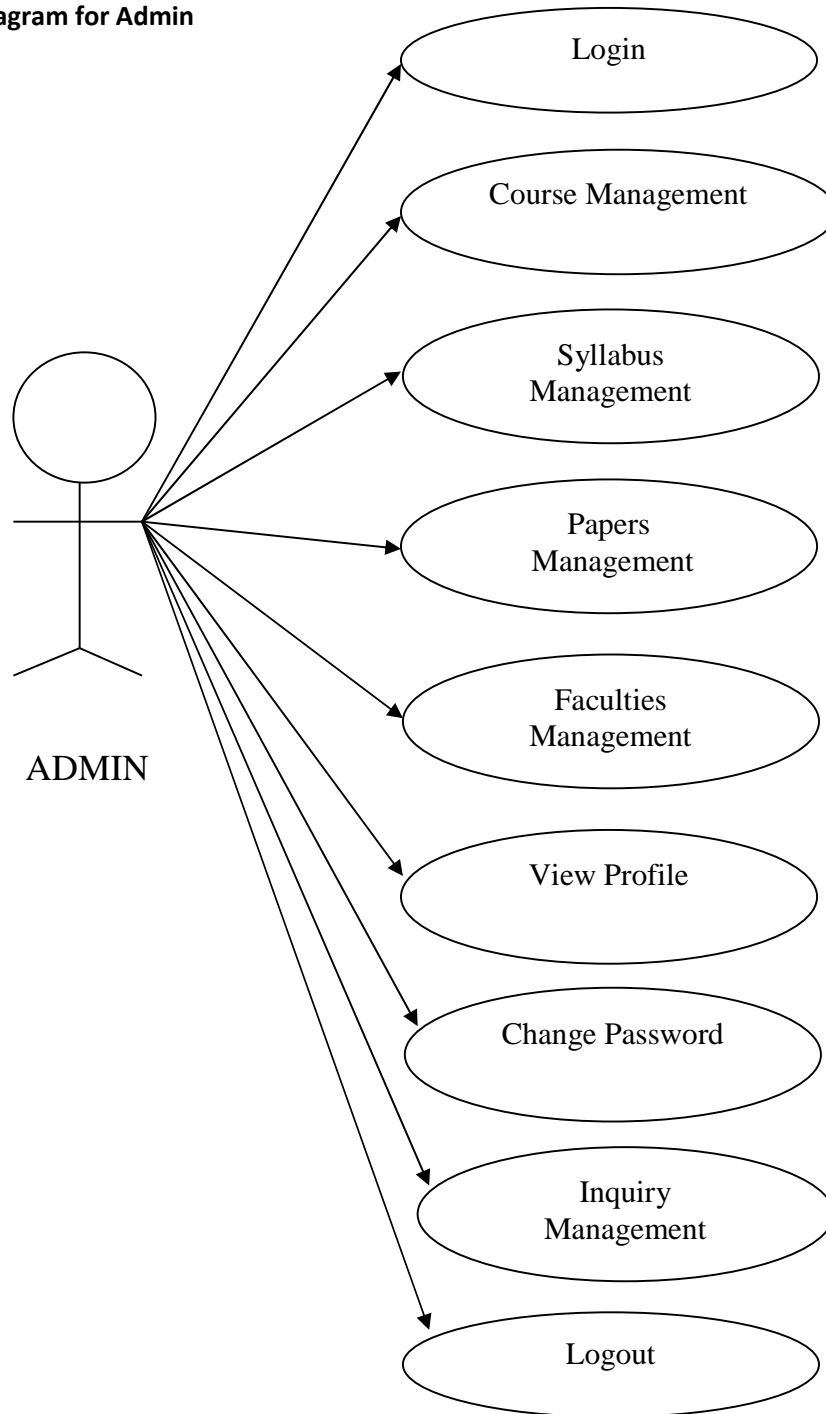


### 1<sup>st</sup>Level DFD (Student)



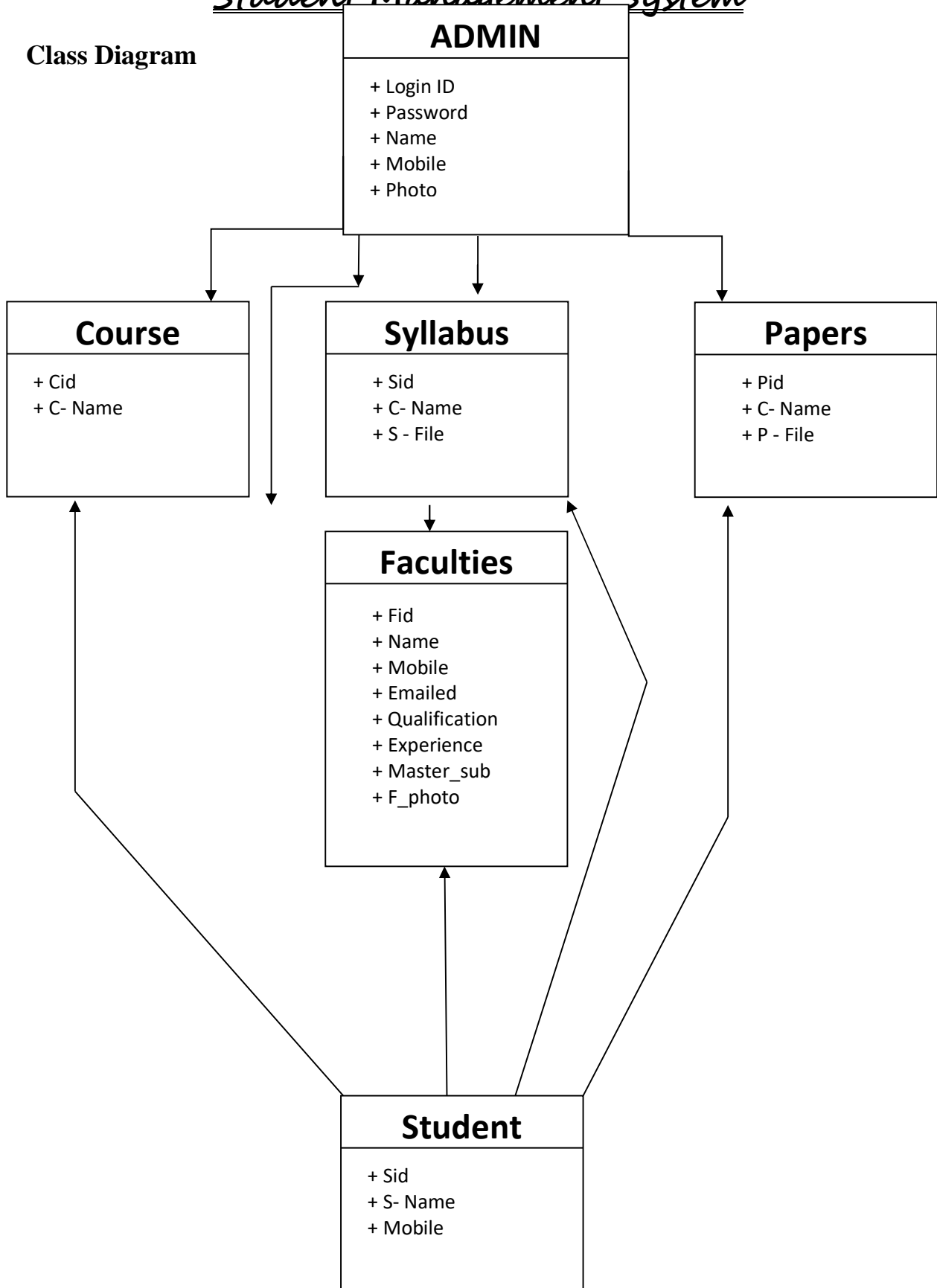
# Student Management System

Use Case Diagram for Admin



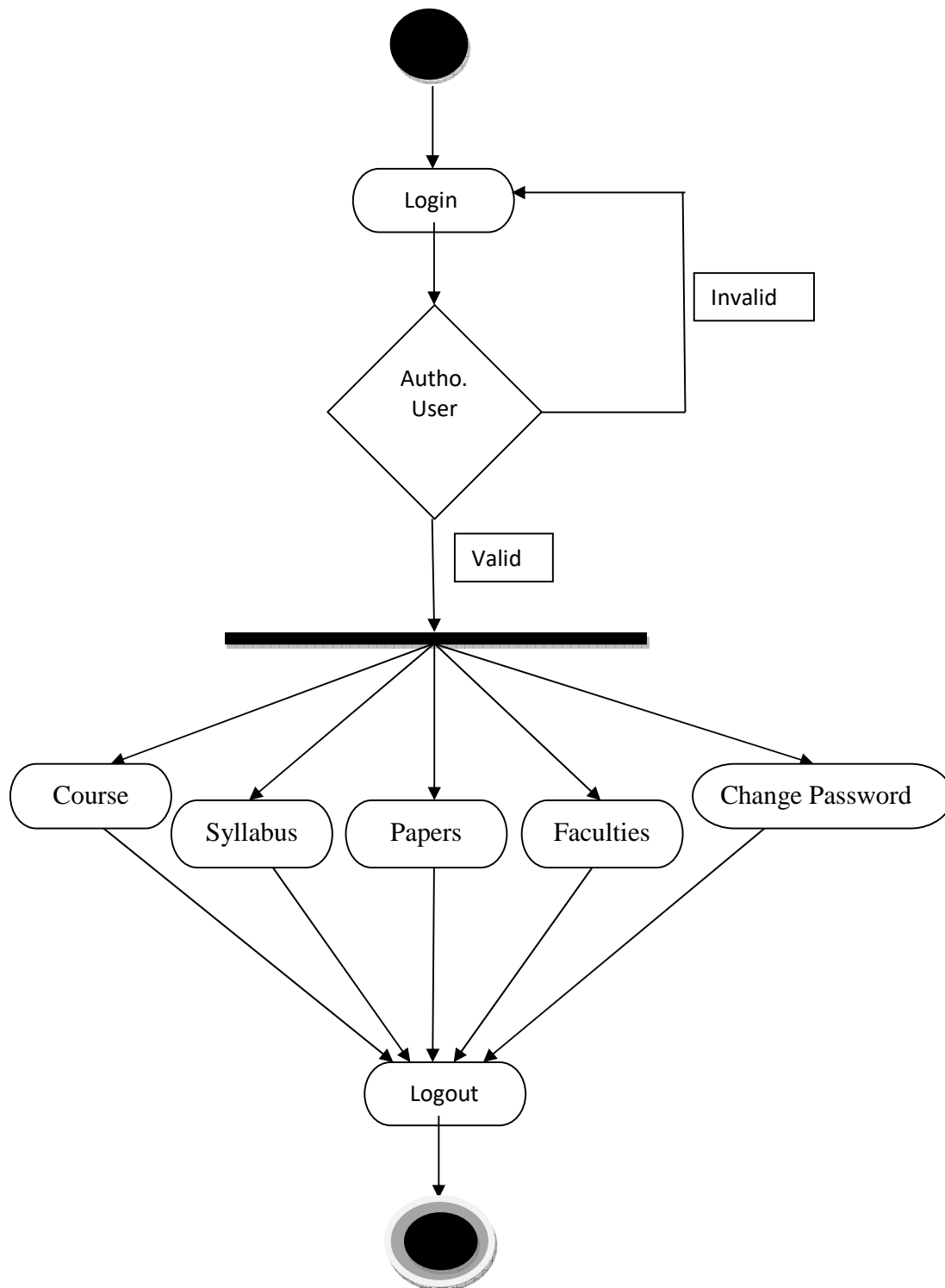
# Student Management System

## Class Diagram



# Student Management System

## Activity Diagram for Admin



## Student Management System

### 3.1 Data Dictionary

Database Name: db\_student\_mgmt

Table: admin

Purpose: it is used to store admin data.

Field	Type	Comments
Aid	int(11)	Primary Key
Name	varchar(20)	
Mobile	varchar(14)	
Emailed	varchar(35)	
a_photo	varchar(100)	
Loginid	varchar(10)	
Password	varchar(10)	

## Student Management System

Table: course

Purpose: It is use to store course data with id and course name

Field	Type	Comments
cid	int(11)	Primary Key
c_name	varchar(20)	

## Student Management System

Table : faculties

Purpose: It is use to store data of faculties.

Field	Type	Comments
Fid	int(11)	Primary Key
Name	varchar(30)	
Mobile	varchar(14)	
Emailed	varchar(35)	
qualification	varchar(20)	
experience	varchar(30)	
master_sub	varchar(50)	
f_photo	varchar(100)	

## Student Management System

### Table : inquiry

Purpose: It is use to store inquiry data.

Field	Type	Comments
Iid	int(11)	Primary Key
Name	varchar(20)	
Mobile	varchar(14)	
Emailed	varchar(35)	
Comments	varchar(255)	

## Student Management System

Table : papers

Purpose: It can store papers data with file which can be downloading by students.

Field	Type	Comments
Pid	int(11)	Primary Key
c_name	varchar(20)	
Sem	varchar(10)	
sub_name	varchar(20)	
p_file	varchar(20)	



## Student Management System

### Table: syllabus

Purpose: It is use to store syllabus data with file which be downloading by student.

Field	Type	Comments
Sid	int(11)	Primary Key
c_name	varchar(20)	
Sem	varchar(5)	
sub_name	varchar(20)	
s_file	varchar(100)	

## Student Management System

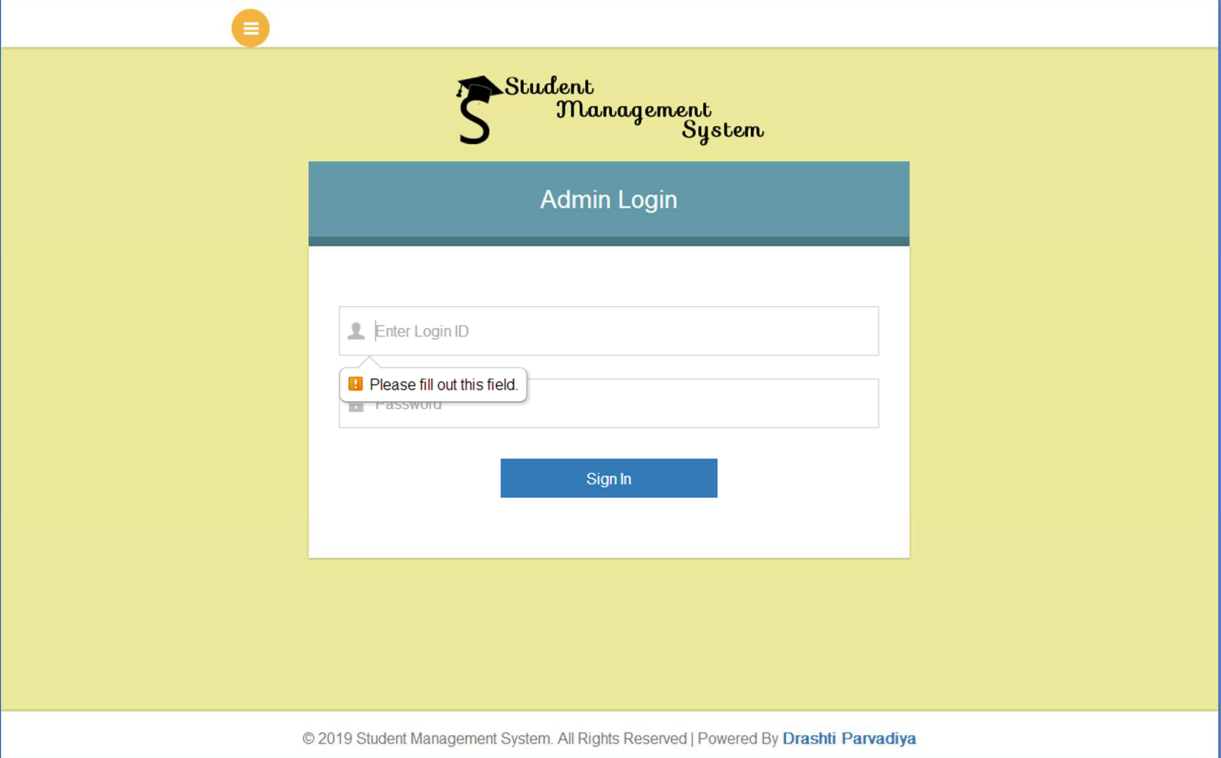
### 3.3 Input & Output Design

# ADMIN SIDE

# Student Management System

## ADMIN LOGIN

- Admin can able to login using login id and password.
- Login id and password are already given to the admin user.
- Login id and password textbox cannot allow to pass as blank value.

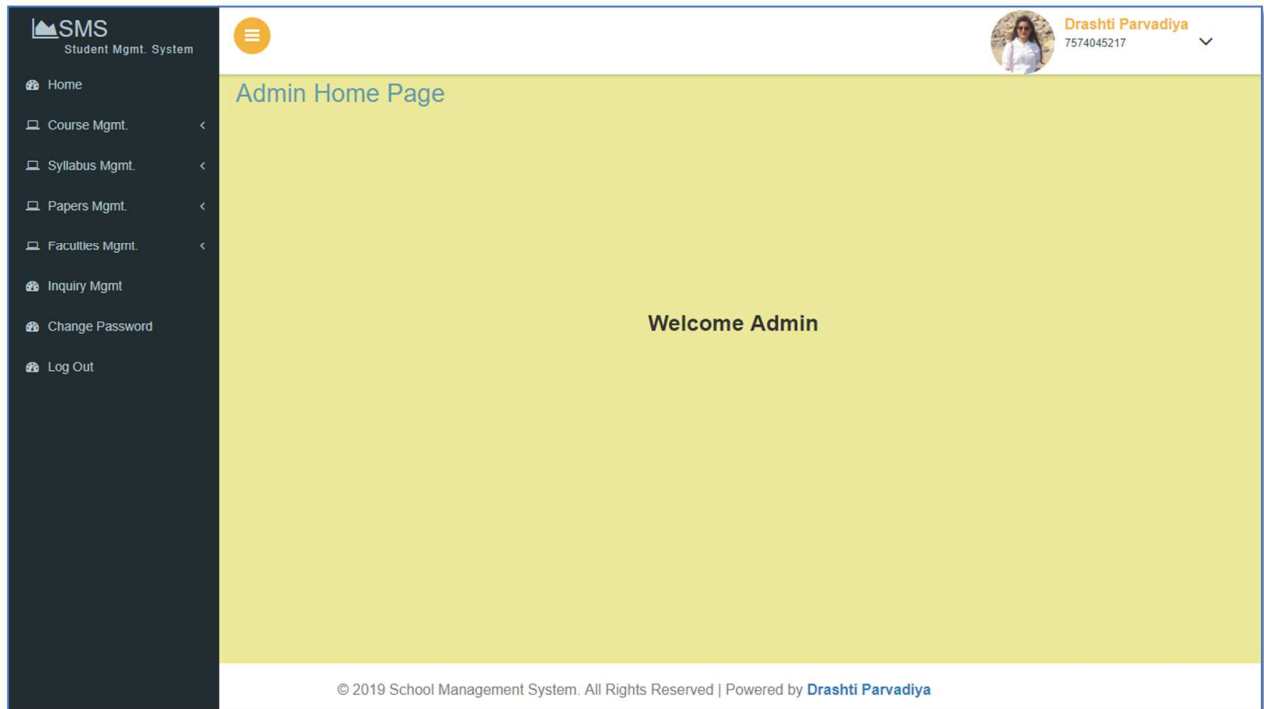


The screenshot displays the Admin Login interface of the Student Management System. At the top, there is a yellow header bar with a hamburger menu icon on the left and the system logo (a graduation cap over a large 'S') and name 'Student Management System' on the right. Below the header, a white login box is centered. The box has a blue title bar that says 'Admin Login'. Inside the box, there are two input fields: 'Enter Login ID' and 'Password'. A red error message 'Please fill out this field.' is shown above the Password field. A blue 'Sign In' button is located at the bottom of the login box. The footer of the page contains the copyright notice: '© 2019 Student Management System. All Rights Reserved | Powered By Drashti Parvadiya'.

# Student Management System

## ADMIN HOME

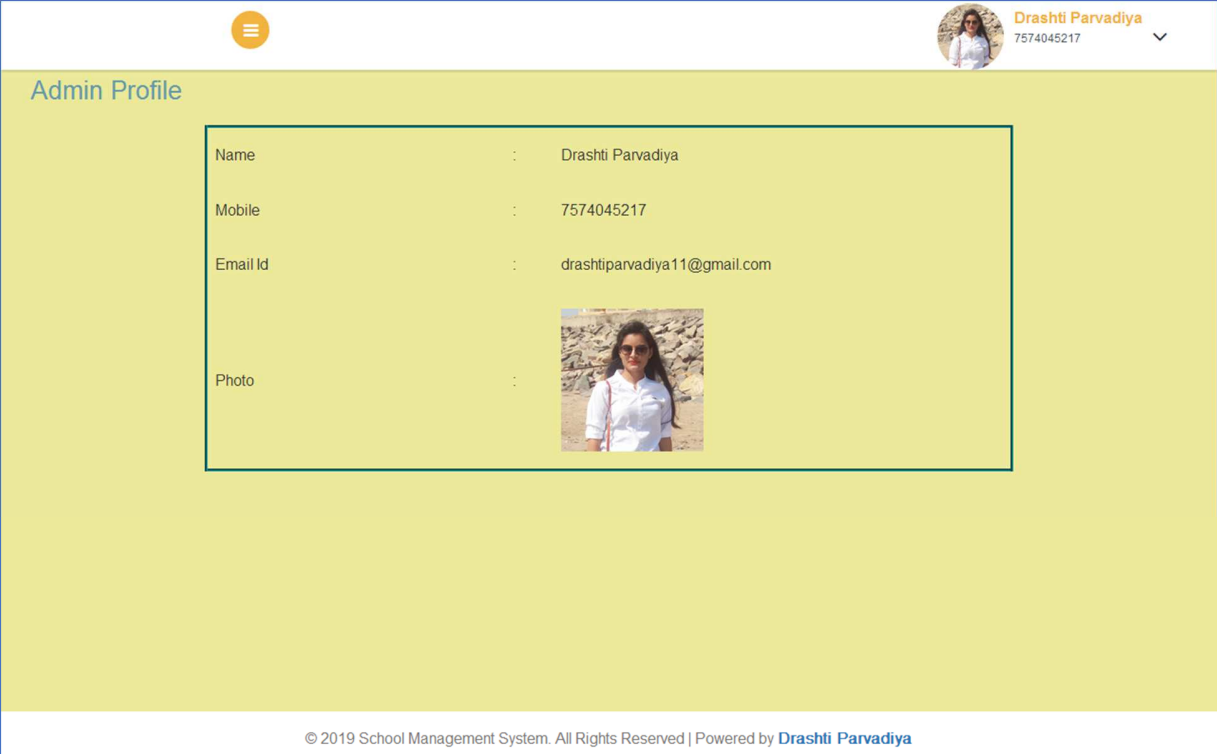
- Admin home page.
- Home page with admin setting on top side.
- Also left side it display menu.




# Student Management System

## ADMIN PROFILE

- It is display profile or data of admin.
- Also we provide photo zoom facility.



The screenshot displays the 'Admin Profile' section of the system. At the top, there is a navigation bar with a menu icon on the left and a user profile on the right showing 'Drashti Parvadiya' with the mobile number '7574045217'. The main content area has a light green background and contains a table with the following details:

Name	:	Drashti Parvadiya
Mobile	:	7574045217
Email Id	:	drashtiparvadiya11@gmail.com
Photo	:	

Below the table, there is a copyright notice: '© 2019 School Management System. All Rights Reserved | Powered by Drashti Parvadiya'.

# Student Management System

## ADD NEW COURSE

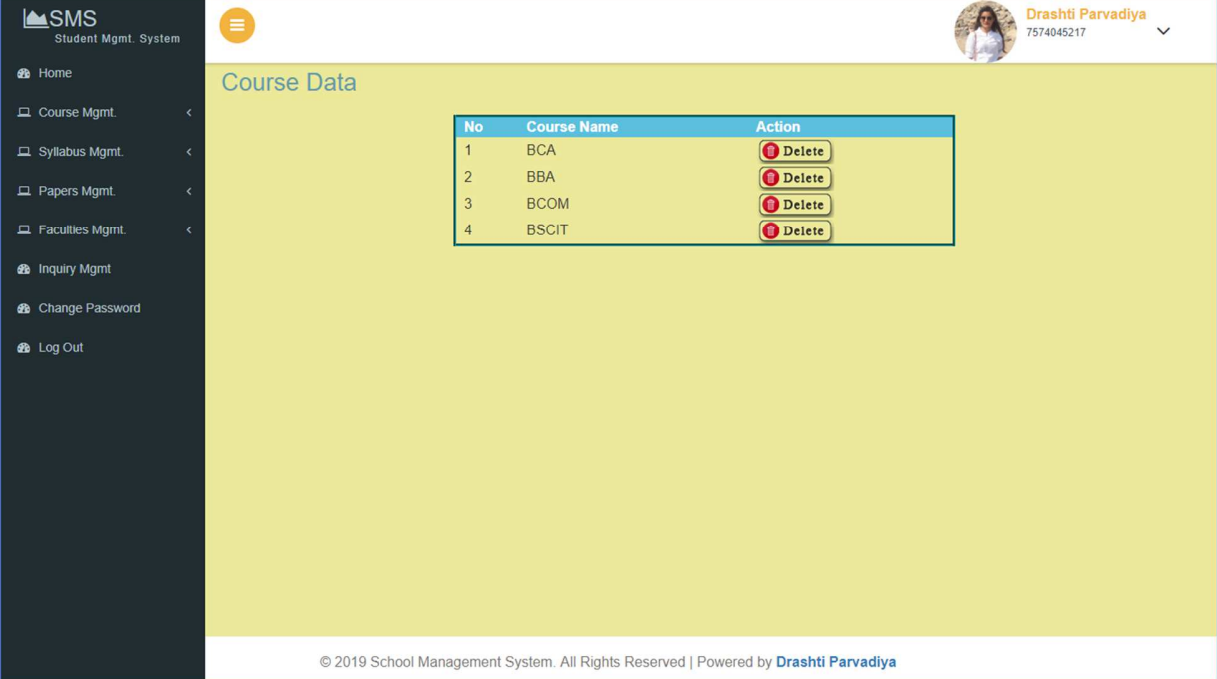
- Admin can able to add course name.
- Course name cannot be sending blank.

The screenshot displays the 'Add New Course Name' form within the SMS (Student Mgmt. System) interface. The form is set against a yellow background. On the left, a dark sidebar lists navigation options: Home, Course Mgmt., Syllabus Mgmt., Papers Mgmt., Faculties Mgmt., Inquiry Mgmt., Change Password, and Log Out. The main content area features a header 'Add New Course Name' and a form field labeled 'Enter Course Name'. A validation message, 'Please fill out this field.', is shown below the input field, accompanied by an 'Add' button. The footer of the page reads '© 2019 School Management System. All Rights Reserved | Powered by Drashti Parvadiya'.

# Student Management System

## VIEW COURSES

- It displays course data which are entered by admin.
- It also provide delete link, if admin wants to delete then this link would be useful.
- It is also display confirmation message while deleting record.



The screenshot displays the 'SMS Student Mgmt. System' interface. On the left is a dark sidebar with navigation links: Home, Course Mgmt., Syllabus Mgmt., Papers Mgmt., Faculties Mgmt., Inquiry Mgmt., Change Password, and Log Out. The top header shows the user 'Drashti Parvadiya' with a profile picture and a dropdown arrow. The main content area, titled 'Course Data', features a table with the following data:

No	Course Name	Action
1	BCA	<a href="#">Delete</a>
2	BBA	<a href="#">Delete</a>
3	BCOM	<a href="#">Delete</a>
4	BSCIT	<a href="#">Delete</a>

At the bottom of the page, a footer states: '© 2019 School Management System. All Rights Reserved | Powered by Drashti Parvadiya'.

# Student Management System

## ADD NEW SYLLABUS

- Admin can able to add new syllabus data.
- Admin need to upload syllabus file.

The screenshot shows the 'Add New Syllabus' form within the SMS (Student Mgmt. System) interface. The form is located on a yellow background and contains the following fields and elements:

- Enter Course Name**: A text input field.
- Enter sem**: A text input field with a red error message: "Please fill out this field."
- Enter Sub Name**: A text input field.
- Upload File**: A file upload button labeled "Choose File" and a status indicator "No file chosen".
- Add**: A button to submit the form.

The interface includes a dark sidebar on the left with the following menu items: Home, Course Mgmt., Syllabus Mgmt., Papers Mgmt., Faculties Mgmt., Inquiry Mgmt., Change Password, and Log Out. The top right corner displays the user's profile: Drashti Parvadiya, 7574045217.

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# Student Management System

## VIEW SYLLABUS

- Admin can able to view data of syllabus which are uploaded.
- It is also provide delete link.
- It is also display confirmation message while deleting record.

The screenshot displays the SMS (Student Mgmt. System) interface. On the left is a dark sidebar with navigation links: Home, Course Mgmt., Syllabus Mgmt., Papers Mgmt., Faculties Mgmt., Inquiry Mgmt., Change Password, and Log Out. The main content area has a header with a user profile for Drashti Parvadiya (7574045217) and a title 'Syllabus Data'. Below the title is a table with the following data:

No	Course Name	Sem	Sub. Name	Syllabus File	Action
1	BCA	SEM1	RDBMS	Show	<a href="#">Delete</a>
2	BCOM	SEM1	ENGLISH	Show	<a href="#">Delete</a>
3	BSCIT	SEM1	COURE JAVA	Show	<a href="#">Delete</a>
4	BBA	SEM1	BUSI COMM	Show	<a href="#">Delete</a>

At the bottom of the interface, a footer states: © 2019 School Management System. All Rights Reserved | Powered by Drashti Parvadiya

# Student Management System

## ADD PAPER

- Admin can able to new paper.
- It also provides validation.
- Admin need to upload paper file.

The screenshot displays the 'Add New Paper' form within the SMS (Student Mgmt. System) interface. The form is set against a light yellow background and contains the following elements:

- Form Fields:**
  - Enter Course Name:** A text input field.
  - Enter sem:** A text input field with a validation message: "Please fill out this field."
  - Enter Sub Name:** A text input field.
  - Upload Paper:** A file upload section with a "Choose File" button, the text "No file chosen", and an "Add" button.
- Interface Elements:**
  - Header:** Displays "SMS Student Mgmt. System" on the left and user information "Drashti Parvadiya 7574045217" on the right.
  - Sidebar:** A dark sidebar on the left with navigation links: Home, Course Mgmt., Syllabus Mgmt., Papers Mgmt., Faculties Mgmt., Inquiry Mgmt., Change Password, and Log Out.
  - Footer:** A copyright notice at the bottom: "© 2019 School Management System. All Rights Reserved | Powered by Drashti Parvadiya".

# Student Management System

## VIEW PAPERS

- Admin can able to view papers which are uploaded.
- It is also display download link.
- Admin can delete unwanted papers.
- It is also display confirmation message while deleting record.

The screenshot displays the 'SMS Student Mgmt. System' interface. On the left is a dark sidebar with navigation links: Home, Course Mgmt., Syllabus Mgmt., Papers Mgmt., Faculties Mgmt., Inquiry Mgmt., Change Password, and Log Out. The top right shows the user 'Drashti Parvadiya' with ID '7574045217'. The main content area is titled 'Papers Data' and contains a table with 11 rows of paper information. Each row has columns for No, Course Name, Sem, Sub. Name, Paper File, and Action. The 'Action' column contains a 'Delete' button for each entry.

No	Course Name	Sem	Sub. Name	Paper File	Action
1	BBA	SEM1	BUSI COMM	Show	Delete
2	BCA	SEM2	ADVC	Show	Delete
3	BCA	SEM1	MATHS	Show	Delete
4	BCA	SEM1	RDBMS	Show	Delete
5	BCA	SEM3	C++	Show	Delete
6	BCA	SEM2	WEB DESIGN	Show	Delete
7	BCA	SEM3	SAD	Show	Delete
8	BCA	SEM2	PRACTICAL	Show	Delete
9	BCOM	SEM1	BUSI STAT	Show	Delete
10	BCOM	SEM5	ENGLISH VERSION	Show	Delete
11	BCOM	SEM1	BUSINES ECO	Show	Delete

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# Student Management System

## ADD FACULTY DATA

- Admin can manage faculties' data.
- Admin can able to add faculty details with photograph and basic details of a faculty.

The screenshot displays the 'Add New Faculty Data' form within the SMS (Student Mgmt. System) interface. The form is set against a light yellow background and is enclosed in a green border. It features several input fields for faculty details, each with a label and a text input box. The fields are: 'Enter Faculty Name', 'Enter Mobile' (which has a red error message 'Please fill out this field.'), 'Enter Email ID', 'Enter Qualification', 'Enter Experience', 'Enter Subjects Name (Master in)', and 'Upload Faculty Photo' (which includes a 'Choose File' button and the text 'No file chosen'). An 'Add' button is located at the bottom of the form. The left sidebar contains a menu with options: Home, Course Mgmt., Syllabus Mgmt., Papers Mgmt., Faculties Mgmt., Inquiry Mgmt., Change Password, and Log Out. The top right corner shows the user profile for Drashti Parvadiya with the ID 7574045217. The footer contains the copyright notice: '© 2019 School Management System. All Rights Reserved | Powered by Drashti Parvadiya'.

SMS  
Student Mgmt. System

Home  
Course Mgmt.  
Syllabus Mgmt.  
Papers Mgmt.  
Faculties Mgmt.  
Inquiry Mgmt.  
Change Password  
Log Out

Add New Faculty Data

Enter Faculty Name  
Enter Mobile  
Enter Email ID  
Enter Qualification  
Enter Experience  
Enter Subjects Name (Master in)  
Upload Faculty Photo

Please fill out this field.

Choose File No file chosen

Add

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# Student Management System

## SHOW FACULTIES

- Admin can able to view faculties' details.
- Admin also can delete faculty data.

The screenshot displays the 'SMS Student Mgmt. System' interface. On the left is a dark sidebar with navigation links: Home, Course Mgmt., Syllabus Mgmt., Papers Mgmt., Faculties Mgmt., Inquiry Mgmt., Change Password, and Log Out. The top right shows the user 'Drashti Parvadiya' with ID '7574045217'. The main content area is titled 'Faculties Data' and contains a table with 5 columns: No, Faculty Name, Mobile, Email, Qualification, Experience, Master Sub., Photo, and Action. The table lists 5 faculty members, each with a 'Delete' button in the Action column.

No	Faculty Name	Mobile	Email	Qualification	Experience	Master Sub.	Photo	Action
1	NEHAL PATEL	7574054217	nehalpatel@gmail.com	MCA	2 year	JAVA		<a href="#">Delete</a>
2	NIKUNJ JANI	8866673788	nikunjani@gmail.com	MCOM	3 YEAR	BUSI COMM		<a href="#">Delete</a>
3	PARESH PARMAR	7878787133	pareshparmar@gmail.com	BSC.IT	6 YEAR	JAVA		<a href="#">Delete</a>
4	MAHESH SHAH	8574962314	maheshshah@gmail.com	BCOM	5 YEAR	BUSI COMM		<a href="#">Delete</a>
5	SHAM TRIVEDI	9876543210	shamtrivedi@gmail.com	BBA	6 YEAR	BUSI COMM		<a href="#">Delete</a>

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# Student Management System

## VIEW INQUIRIES

- Admin can view inquiries which are submitted by students or other person.
- Admin also able to delete inquiry.
- It is also display confirmation message while deleting record.

The screenshot displays the 'Inquiry Data' section of the Student Management System. The interface features a dark sidebar on the left with navigation links: Home, Course Mgmt., Syllabus Mgmt., Papers Mgmt., Faculties Mgmt., Inquiry Mgmt., Change Password, and Log Out. The main content area has a yellow header with the title 'Inquiry Data'. Below this, a table lists inquiries with columns: No, Name, Mobile, Email ID, Comments, and Action. A single record is visible for 'DRASHTI PARVADIYA' with mobile number '7574045217' and email 'drashtiparvadiya@gmail.com'. The comment is 'we want to view attendance report online is it possible ?'. An 'Action' column contains a 'Delete' button. The footer shows '© 2019 School Management System. All Rights Reserved | Powered by Drashti Parvadiya'.

No	Name	Mobile	Email ID	Comments	Action
1	DRASHTI PARVADIYA	7574045217	drashtiparvadiya@gmail.com	we want to view attendance report online is it possible ?	Delete

# Student Management System

## CHANGE PASSWORD

- After login admin can able to change their current password.

**SMS**  
Student Mgmt. System

Home  
Course Mgmt.  
Syllabus Mgmt.  
Papers Mgmt.  
Faculties Mgmt.  
Inquiry Mgmt.  
Change Password  
Log Out

**Change Password**

Enter Current Password :

Enter New Password :

Retype New Password :

Change

Drashti Parvadiya  
7574045217

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# Student Management System

## CHANGE PASSWORD WITH VALIDATIONS

- It provides JavaScript validations while changing password.

SMS  
Student Mgmt. System

Home  
Course Mgmt.  
Syllabus Mgmt.  
Papers Mgmt.  
Faculties Mgmt.  
Inquiry Mgmt.  
Change Password  
Log Out

localhost says  
Enter Current Password

OK

Change Password

Enter Current Password :  
Enter New Password :  
Retype New Password :

Change

Drashti Parvadiya  
7574045217

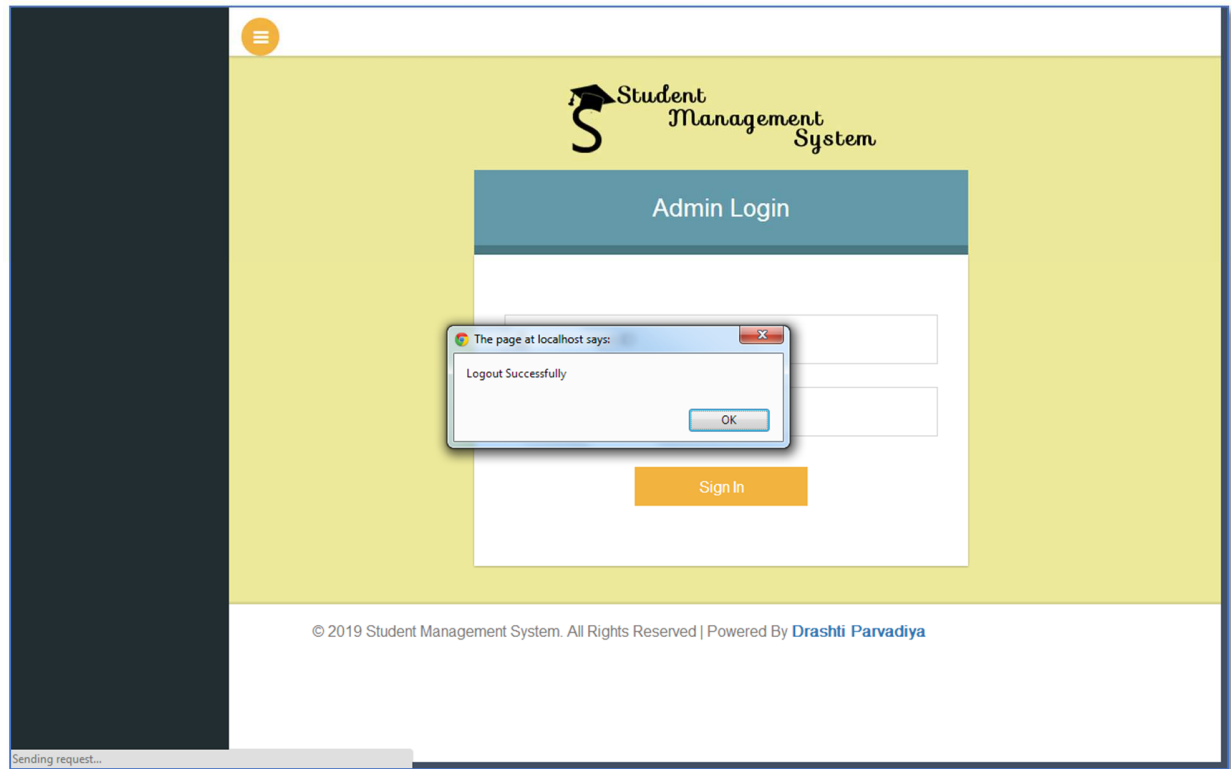
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# Student Management System

## LOGOUT

- After logout it display message.

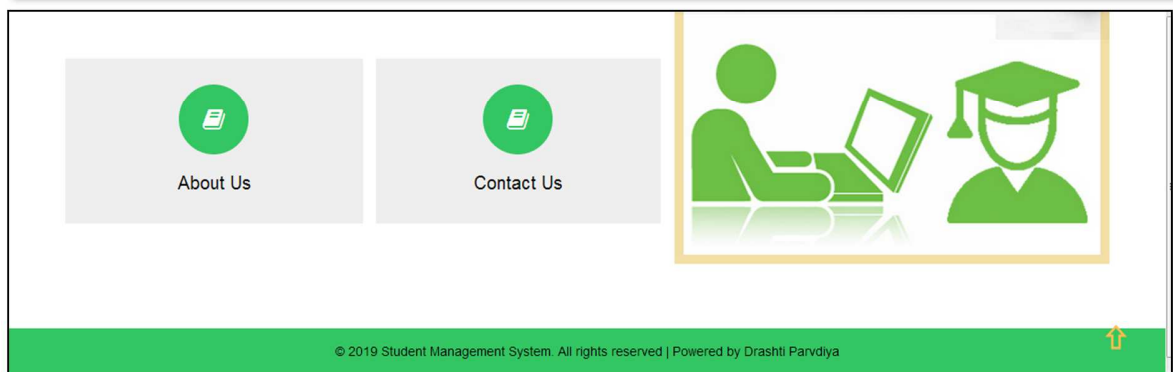
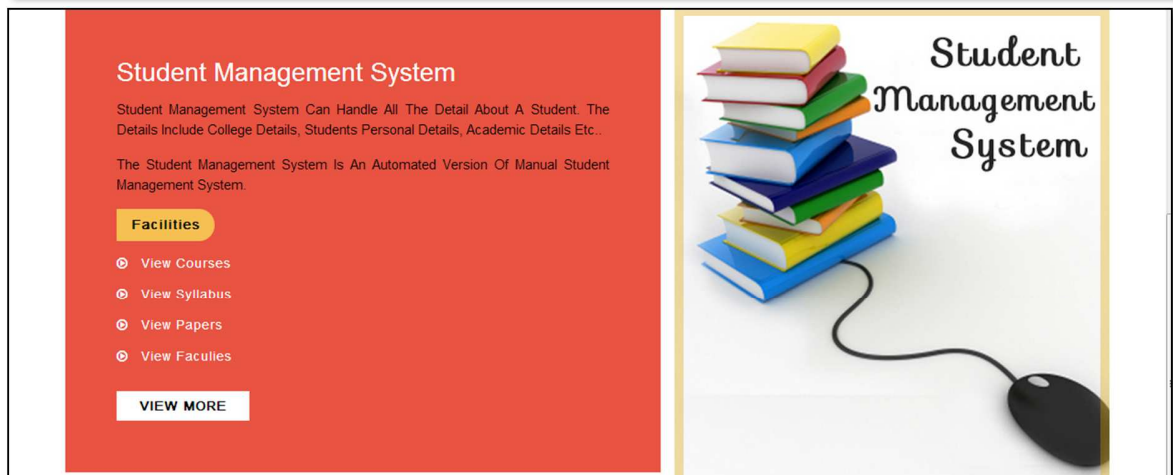
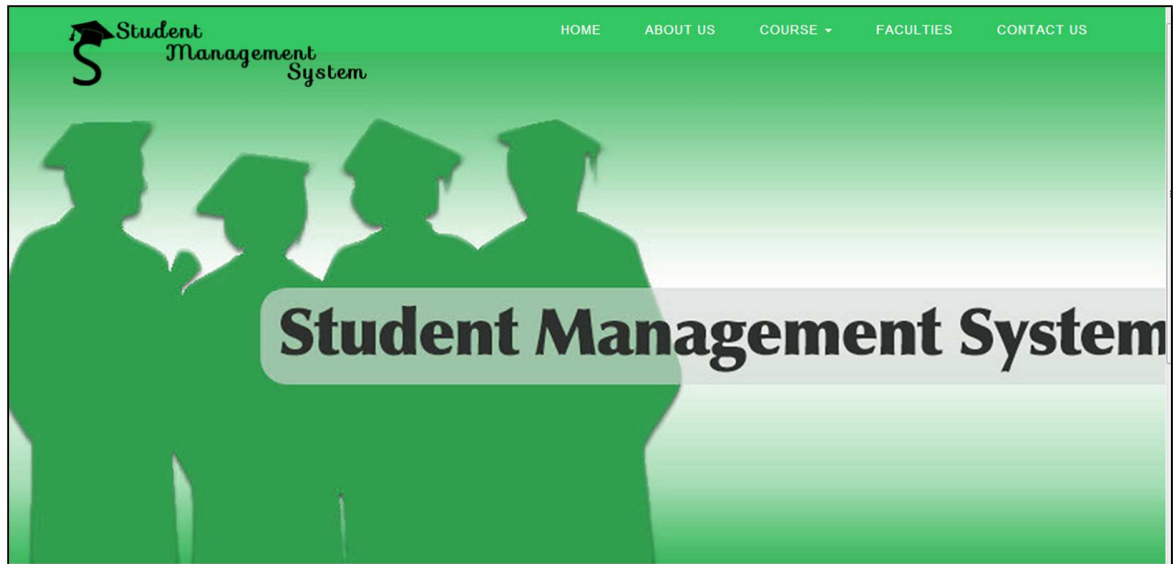


# CLIENT SIDE

# Student Management System

## HOME PAGE

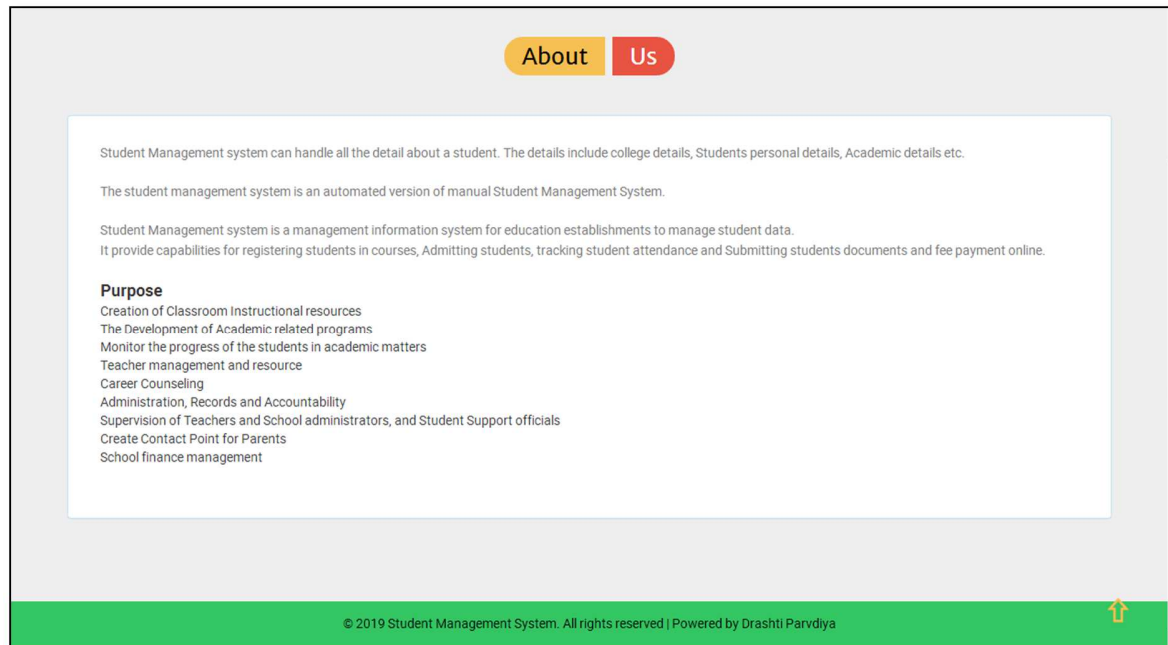
- Home page for users.
- It contains basic information of system with few images.



# Student Management System

## ABOUT US

- It displays information of system.



# Student Management System

## COURSE & SYLLABUS WITH DOWNLOAD LINK

- Users can able to view syllabus as well as they can download it.

The screenshot displays the 'Student Management System' web application. The top navigation bar is green with links for HOME, ABOUT US, COURSE (with a dropdown arrow), FACULTIES, and CONTACT US. The main header area features a green banner with the text 'Student Management System' and 'COURSE'. Below this, a green button with a home icon and the text 'Syllabus' is visible. The main content area has two tabs: 'Syllabus' (highlighted in orange) and 'BCA' (highlighted in red). Under the 'Syllabus' tab, there is a table titled 'Course : BCA'.

Sem	Subject	Download File	Papers
SEM1	RDBMS	B.C.A. (FC-Business Communication) Sem.V & VI-2018.pdf	Click Here

The footer of the page is green and contains the copyright notice: '© 2019 Student Management System. All rights reserved | Powered by Drashti Parvdiya' and a small yellow icon of a person with an arrow pointing up.

# Student Management System

## PAPERS WITH DOWNLOAD LINK

- Users can able to view syllabus as well as they can download it.

The screenshot displays the Student Management System interface. At the top, there is a green navigation bar with the system's logo and menu items: HOME, ABOUT US, COURSE, FACULTIES, and CONTACT US. Below the navigation bar, a large green banner features the text 'Student Management System' and 'PAPERs'. Underneath the banner, there are two tabs: 'Papers' (highlighted in orange) and 'BCA' (highlighted in red). The main content area shows a list of papers for the 'Course: BCA'.

Course: BCA
<a href="#">BCA SEM -2 - 20207 - OCT -2018 - ADV C PROG.pdf</a>
<a href="#">BCA SEM -1 - 20201 - NOV - 2018- MATHS.pdf</a>
<a href="#">BCA SEM -1 - 20200 - NOV -2018 - RDBMS.pdf</a>
<a href="#">BCA SEM -3 - 20632 - NOV - 2018 - OPP WITH C++.pdf</a>
<a href="#">BCA SEM -2 - 20206 - OCT -2018 - WEB DESIGN.pdf</a>
<a href="#">BCA SEM -3 - 20633 - NOV - 2018 - SAD.pdf</a>
<a href="#">BCA SEM-2 -20209- OCT-2018- PRACTICAL .pdf</a>

At the bottom of the page, there is a green footer bar containing the copyright notice: '© 2019 Student Management System. All rights reserved | Powered by Drashti Parvdiya' and an upward-pointing arrow icon.

# Student Management System

## SHOW LIST OF FACULTIES

- It display list of faculties which are uploaded by admin
- Users are able to download paper while clicking on link

The screenshot displays the 'Student Management System' web application. The header is green with a logo on the left and navigation links (HOME, ABOUT US, COURSE, FACULTIES, CONTACT US) on the right. A large green banner in the center reads 'Student Management System' and 'TEACHING STAFF / FACULTIES'. Below the banner is a green button with a house icon and the text 'Teaching Staff / Faculties'. Underneath this is a row of two buttons: 'Teaching' (yellow) and 'Staff / Faculties' (red). The main content area features a table with the following data:

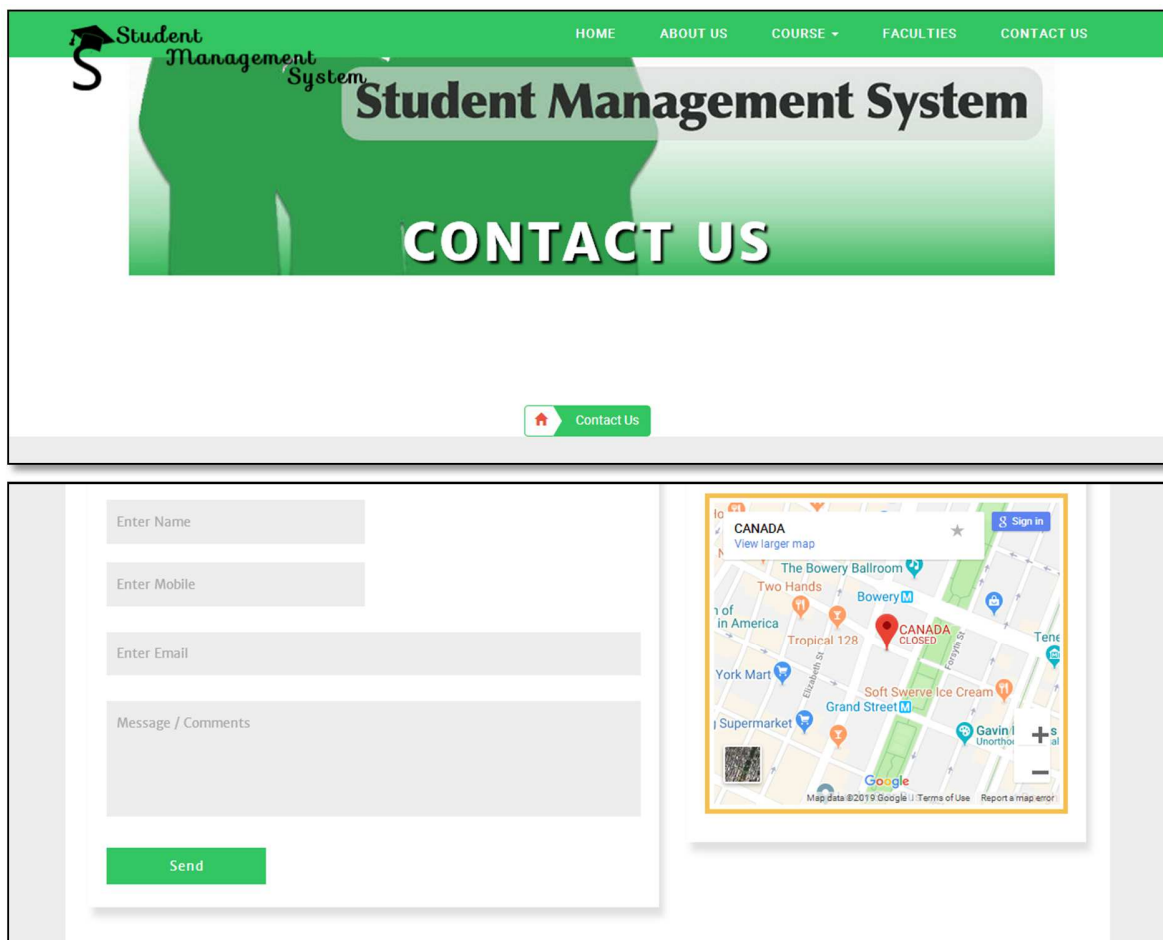
No	Name	Mobile	Emailid	Qualification	Experience	Master Subjects	Photo
1	NEHAL PATEL	7574054217	nehalpatel@gmail.com	MCA	2 year	JAVA	
2	NIKUNJ JANI	8866673788	nikunjani@gmail.com	MCOM	3 YEAR	BUSI COMM	
3	PARESH PARMAR	7878787133	pareshparmar@gmail.com	BSCIT	6 YEAR	JAVA	
4	MAHESH SHAH	8574962314	maheshshah@gmail.com	BCOM	5 YEAR	BUSI COMM	
5	SHAM TRIVEDI	9876543210	shamtrivedi@gmail.com	BBA	6 YEAR	BUSI COMM	

At the bottom of the page, there is a green footer bar with the text '© 2019 Student Management System. All rights reserved | Powered by Drashti Parvdiya' and a small orange icon on the right.

# Student Management System

## CONTACT PAGE

- Contact page with inquiry and map.
- If also provide JavaScript Validation while sending inquiry.



The screenshot displays the contact page of a web application titled "Student Management System". The page features a green header with navigation links: HOME, ABOUT US, COURSE, FACULTIES, and CONTACT US. Below the header, a large green banner contains the text "Student Management System" and "CONTACT US". A green button labeled "Contact Us" is positioned below the banner. The main content area is divided into two sections. On the left, there is a contact form with input fields for "Enter Name", "Enter Mobile", and "Enter Email", followed by a "Message / Comments" text area and a green "Send" button. On the right, there is a Google Map showing a location in Canada, with a red pin and the text "CANADA CLOSED".



# Student Management System

## Testing & Implementation

### 4.1 Testing Approaches Used

#### 3.4.1 Testing Methods

##### 3.4.1.1 Black box testing

- Black box testing is based on the software's specifications or requirements, without reference to its internal workings. Gray box testing combines white box techniques with black box input testing this method of testing explores paths that are directly accessible from user inputs or external interfaces to the software.

##### 3.4.1.2 White box testing

- White box testing is performed based on the knowledge of how the system is implemented. White box testing includes analyzing data flow, control flow, information flow, coding practices, and exception and error handling within the system, to test the intended and unintended software behavior. White box testing can be performed to validate whether code implementation follows intended design

##### 3.4.1.3 Unit testing

- Unit Testing tests a unit of code (module or program) after coding of that unit is completed. Programmers perform unit tests to assess the functionality of small modules of code.

##### 3.4.1.4 Integrated Testing

- Integration Testing tests whether the various programs that make up a system, interface with each other as desired, fit together and whether the interfaces between the programs are correct.

##### 3.4.1.5 System Testing

- System Testing ensures that the system meets its stated design specifications. After we completed our project we checked the whole project for consistency and output specification.

##### 3.4.1.6 Acceptance Testing

- Acceptance Testing is testing by the users to ascertain whether the system developed is a correct implementation of the Software Requirements Specification.

# Student Management System

## 4.2 Test Cases

### 4.2.1 Test case Design.

SR.No.	Test Case ID	Do	Expected Result
1	404 page not found	Page name change	Solved
2	Login problem in admin	Using session_start() it is worked	Solved
3	File download in student side	Given proper link	Solved
4	In add paper validations not worked	Using JavaScript it is worked	Solved
5	Admin cannot able to change password	Using PHP code it is worked	Solved

# Student Management System

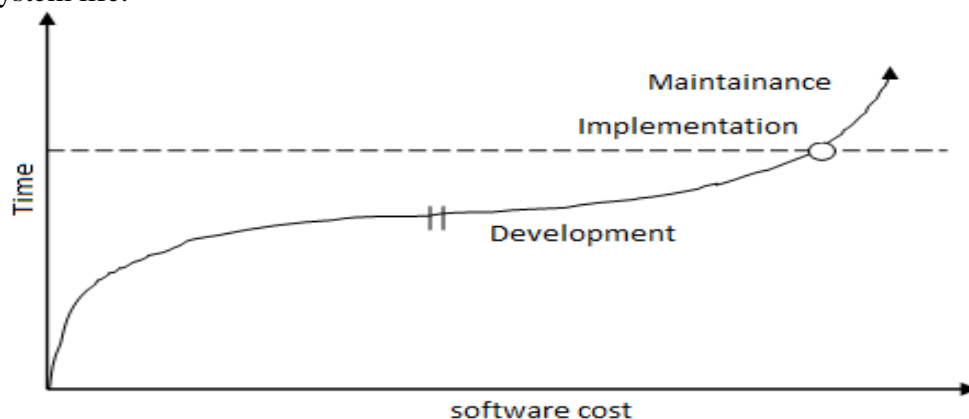
## 4.3 Implementation Approaches

After creating the project and successfully testing it, the most important step of SDLC is to implement our system in the server. The step is vital for the whole project because after three months of hard work put into it and testing it from all possibilities it is yet to be determined whether the project runs successfully on site or not.

Especially when multiple users are going to use it the task becomes very significant and a system crash can put a really big black mark on our work. The successful implementation of the system is very necessary and following steps are implemented for it:

- 1) Prepare the infrastructure.
- 2) Coordinate with the organization involved in implementation.
- 3) Implement training.
- 4) Install the production solution.
- 5) Convert the data.
- 6) Perform final verification in production.
- 7) Implement new processes and procedures.
- 8) Monitor the solution.

Implementation is a tail end of this life cycle but it is continuous process till the end of system life.



# Student Management System

## **5. Conclusion**

### **5.1 Limitation of System**

- Students are not able to login into the website so they are not able to view their individual result.
- Students are not able to get result via SMS.
- They are not able to view attendance report.
- Anyone can able to download syllabus and papers without any security.

### **5.2 Future Scope of System**

- Student login can be possible with PHP code using student enrollment number and password.
- SMS of result and attendance can be sending using SMS API.
- Downloading of syllabus and papers can be secured using session.

# Student Management System

## 5.3 Bibliography

### Web Source

[www.google.com](http://www.google.com)

[www.w3layouts.com](http://www.w3layouts.com)

[www.w3schools.com](http://www.w3schools.com)

### Books Source

#### ✓ PHP Manual

- Authors - StigSaetherBakken
- Publisher - Alexander Aulbach

#### ✓ HTML, XHTML, & CSS, Sixth Edition: Visual Quick Start Guide

- Author - Elizabeth Castro
- Publisher - Peachpit Press