

INDIRA GANDHI NATIONAL OPEN UNIVERSITY

PROJECT REPORT OF

BCSP-064

ON

SCHOOL MANAGEMENT SYSTEM

By

Neha Chauhan (186526970)

UNDER GUIDANCE

OF

Mr. Aashish Singh

**Submitted to the Shyamlal College (0769) in
Partial fulfilment of the Requirements for the degree of**

Bachelor Of

Computer Applications



**Indira Gandhi National Open University
MaidanGarhi
New Delhi-110068**



SCHOOL OF COMPUTER AND INFORMATION SCIENCES
IGNOU, MAIDAN GARHI, NEW DELHI – 110 068

(218)

II. PROFORMA OF BCA PROJECT PROPOSAL (BCSP-064)
(Project's Title and Guide's Details)

Enrolment No.: 186526970..... Regional Centre Code: 29..... Study Centre: 0769.....
PRNO - B290218520

1. Name and Address of the student

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2. Title of the Project School Management System (BCSP-064)

3. Name and Address of the Guide

Ashish Singh
T-2122, main road, Kartar Nagar
Delhi-53

Ph.D.	M.Tech.	B.Tech.	MCA	Any other
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Qualification of the Guide

(Attach bio-data also)

(Note : i. All the above mentioned Degrees must have been awarded in Computer Science/IT only
ii. A Guide should not guide more than 8 students of BCA at any point of time)

5. Industrial / Teaching experience of the Guide (in Years) 8 years

6. Software Used for this Project: Wamp, Dreamviewer, MySQL

(Note :

1. Use of Visual Basic and MS-Access as Front End and Back End respectively is forbidden. But, you are permitted to use Visual Basic with other Software. Also, you can use MS-Access with other software)
2. Use of C or C++ Programming Language for Project Related to Database Management is strictly forbidden.

Signature of the Student

Date: 31/12/2020

इन्दिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
क्षेत्रीय केन्द्र, दिल्ली-2/R.C., Delhi-2
गांधी स्मृति एवं दर्शन समिति, राजघाट, नई दिल्ली-2
Gandhi Smriti & Darshan Samiti, Rajghat, N.Delhi-2

Signature of the Guide

Date: 31/12/2020

Important: 1. Attach this Proforma along with Guide's Biodata and Project Synopsis in the Project Report.
2. Not more than one student is permitted to work on a project.

For Office Use Only



Approved



Not approved

Signature, Designation, Stamp of the
Project Proposal Evaluator

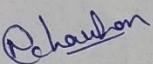
Date: 12-2-2021

Suggestions for reformulating the Project:

IX CERTIFICATE OF ORIGINALITY

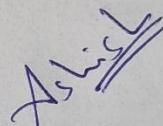
This is to certify that the project report entitled B CSP-064 on School Management System Submitted to **Indira Gandhi National Open University** in partial fulfilment of the requirement for the award of the degree of **BACHELOR OF COMPUTER APPLICATIONS (BCA)**, is an original work carried out by Mr./ Ms. Neha Chauhan
Enrolment No.: 186526970 under the guidance of Mr./ Ms. Ashish Singh

The matter embodied in this project is a genuine work done by the student and has not been submitted whether to this University or to any other University / Institute for the fulfilment of the requirement of any course of study.


Signature of the Student

Name and Address
of the student :
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J-212 Kasturba Nagar wali no N with cash
Delhi - 53 Bhajonpura hotel wali gali
4th Pusta

Enrolment No.: 186526970


Signature of the Guide

Name, Designation and
Address of the Guide

Ashish Singh
S/w developer

Table of Content

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ASHISH SINGH

NEW DELHI, DELHI 110053 | C: 9958530346 | ashishjadon2145@gmail.com

Summary

Over 8 years of experience as a Java Full Stack Developer in IT industry.
Extensively experienced in Software Analysis, Design, Development,
Implementation and DevOps process of Web based Enterprise Applications using
java/J2EE.

Skills

- **Languages:** Java8, Python3, TypeScript, JavaScript, HTML5/CSS, SQL
- **Application Frameworks & Infrastructure:** Spring, Hibernate, Angular8, Bootstrap 4, Firebase, Google App Engine, AWS, Digital Ocean, Web Services, OAuth2.0, Digital Signature, Git, JIRA, Confluence, Docker, Jenkins, CICD pipelines.

Experience

Software Developer

Hollywood Multimedia LTD. – Delhi

(Nov 2018 to Current)

- Worked and developed a web application for the Vigilance Department of Indian Railways named "*Indian Railways Integrated Vigilance Information System*" (IRVINS).
- Proficient in UI design, developed Front End using Angular8, HTML5, SCSS, JavaScript, Ajax, jQuery.
- Worked on Java & Spring framework (MVC/IOC/ORM/JDBC/AOP /WEBFLOW).
- Database development required creation of new tables PL/SQL stored procedures, functions, views, triggers and required SQL tuning to reduce the response time in the application.

Full Stack Java Developer

OSAHUB Technologies -Delhi

(June 2014 to Nov 2018)

- Worked at client side (National Informatic Centre, NIC) on a Rural Development Ministry's project named SECC.
- Developed Web-Application backend using Java and Spring Framework.
- Involved in developing UI using HTML/CSS, Bootstrap, Angular.
- Gained experience in design and development RESTful Web services.
- Implemented version control software GIT repositories.

Java Developer

eCentric Solutions PVT. LTD. – Delhi

(Feb 2012 to June 2014)

- Worked on an ERP system deployed on intranet.
- Worked on enhancements using core java concepts, JSP, Struts framework and wrote SQL queries.
- Involved in Design and Development of various Independent ERP modules.

Education

Bachelors of Technology, Computer Science and Engineering
UPTU – Lucknow

2011

Intermediate in Computer Science Stream
C.B.S.E. Board – Delhi

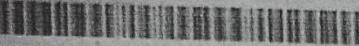
2007

Asish

दर्शकीय नं. / Degree Serial No.
B.TECH/AU/2017/59109

नामांकन संख्या / Enrollment No.
070921027386

मार्गदर्शक नं. / Route No.
070921027386



डॉ. ए. पी. जे. अब्दुल कलाम प्राविधिक विश्वविद्यालय, उत्तर प्रदेश



(पूर्ववर्ती उत्तर प्रदेश प्राविधिक विश्वविद्यालय, लखनऊ)

विश्वविद्यालय की विद्या परिषद की अनुशंसा पर

आशीष सिंह

को कम्प्यूटर साइंस एण्ड इंजीनियरिंग विधा में प्रौद्योगिकी की स्नातक उपाधि
प्रथम श्रेणी में

उनके द्वारा इस उपाधि की अवान्ति हेतु
विश्वविद्यालय द्वारा विहित अपेक्षाओं को सफलतापूर्वक पूरा करने पर
एतदद्वारा सन् 2011 में प्रदान की जाती है।

Dr. A. P. J. Abdul Kalam Technical University, Uttar Pradesh

(Formerly Uttar Pradesh Technical University, Lucknow)

Upon the recommendation of the Academic Council,

the University hereby confers the degree of

Bachelor of Technology IN Computer Science and Engineering
upon

ASHISH SINGH

who has successfully completed the requirements prescribed by the University
for the award of this degree in

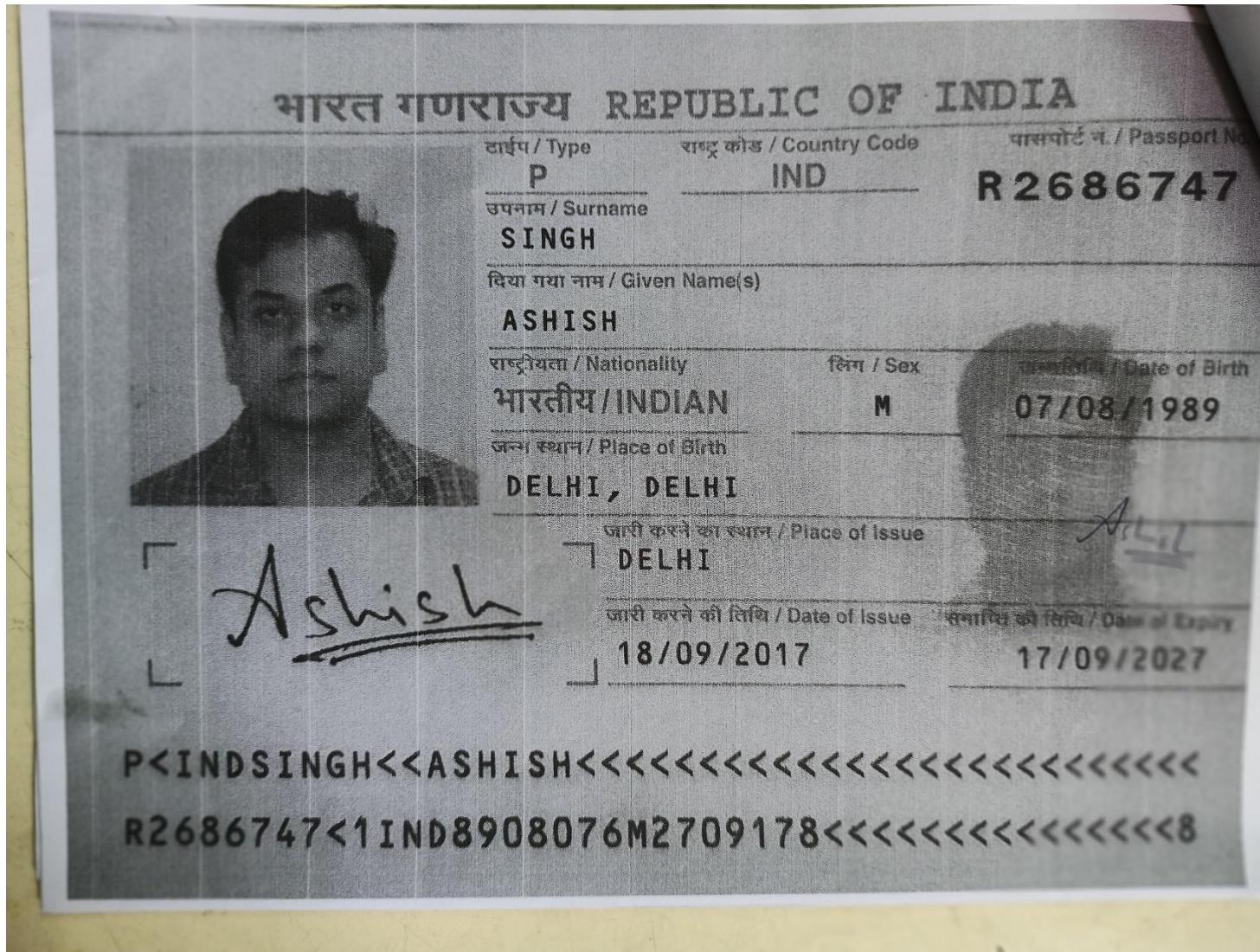
First Division

in the year 2011

लखनऊ, (उ.प.), भारत
Lucknow, (U.P.), India
टिकट/Date: 22/09/2018



विष्वविद्यालय
प्रधान
Vishwavidyalaya
Vice-Chancellor





R2686747

पिता / जानूरी अधिभाधक का नाम / Name of Father / Legal Guardian

RAJ KUMAR SINGH

माता का नाम / Name of Mother

HEMLATA SINGH

चाहि या पत्नी का नाम / Name of Spouse

पता / Address

J - 422 / A ,MAIN ROAD

KARTAR NAGAR,DELHI

PIN:110053,DELHI,INDIA

Ashish

पुराने पासपोर्ट का नं. और इसके जारी होने की तिथि एवं स्थान / Old Passport No. with Date and Place of Issue

फाईल नं / File No.

DL4061488268017

VIII. REMUNERATION FORM FOR THE BCA (BCSP-064) PROJECT GUIDE



**INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110068**

REMUNERATION BILL FOR THE BCA PROJECT GUIDE

1. Course Code : BCA (BCSP-064)
2. Name of the Guide : Achish Singh
3. Residential Address : J- 2/22 main road, Kastur
Nageri Delhi - 53
4. Designation : S/W developer
5. Office address : Barco electronic Systems Pvt. Noida

This is to certify that I have Guided the following student(s) for their project work:

S.No	Enrolment Number of the student	PR No. (to be filled by the Regional Centre)	Name of the student	Title of the Project	Amount Claimed
1.	186526970	B290218520	Neha Chauhan	School Management	—
2.	186495890	B290219520	Archana Rani	Cow booking	—

Signature of the Guide

Date : 30 / May / 2021 ..

NOTE: Project guide cannot guide more than eight students in any given point of time. This form duly signed by the guide placed in a separate envelope, should be submitted along with the project report. Remuneration Bill not accompanied with the project report will not be considered for payment. For BCSP-064(8 Credits) course, the remuneration to the project guide (for guiding one project) is as per the university norm.

Synopsis

Table of Content

S.NO.	CONTENT	PAGE NO.
1.	Title of the Project	
2.	Introduction and Objectives of the Project	
3.	Project Category	
4.	Analysis	
5.	A complete structure	
6.	Tools / Platform, Hardware and Software Requirement specifications	
7.	Are you doing this project for any Industry/Client?	
8.	Future scope and further enhancement of the project.	

TITLE OF PROJECT

SCHOOL MANAGEMENT SYSTEM



2. INTRODUCTION OF PROJECT AND ITS OBJECTIVES

2.1Abstract of the system

Web based school managements systems are designed to manage and store project information that are used in web based applications. The project is titled “school management system”. This package once developed will help the school/institute to manage various details pertaining to its students.

This will help accounts department in maintaining the details related to the fee & basic details like their security deposits, conveyance and etc., it will also help management or we can say administration

department in maintaining student's basic details as well as keeping a check on fees details. This package is basically developed for the authorities of the school/institute to make their task easier or we can say this package automate their task like maintaining students personal details, managing cash details, printing of receipts. This package helps the administrative & accounts

2.2 INTRODUCTION

The title of the project is “School Management system”. This project will handle whole the activities of the school. SMS has most of the facilities that a modern school requires to computerize its day-to-day jobs. It provides facilities to keep the records of student, fees, teaching and non-teaching staff with all their required details along with all required transaction handling. It has facilities to generate various types of reports, which are required by the management during normal business operations to operate the business effectively.

2.3 OBJECTIVES

This project is based on the RDBMS technology the main objective of this project is to computerize the manual system & reduce the time consumption. In other words we can say that our project has the following objectives:-

- Make all the system computerize
- Reduce time consumption
- Reduce error scope
- All system managements are automated
- Centralized database management
- Easy operations for operator of the system
- No paper work requirement

3. PROJECT CATEGORY

This project as title “**School management system**” is comes under the **Relational Database Management System (RDBMS)**. This application is developed with the help of VS Code and MySQL. This application can also be run on the network environment so it can be said as network application.

4. DATA FLOW DIAGRAMS (DFD'S)

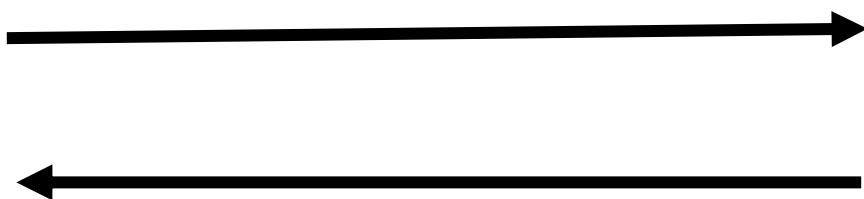
The DFD was first developed by Larry Constiane as a way of expressing system in a graphical form. A DFD, also known as Bubble Chart, has a purpose of clarifying system requirement and identifying major transformation that will become the programs inthe system design.

DFD SYMBOLS

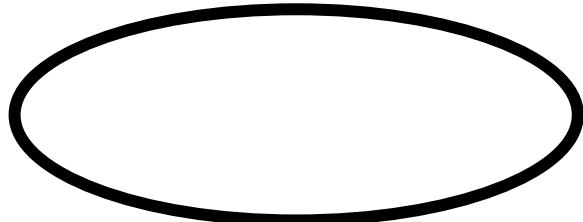
1. A SQUARE defines a source or destination of system data



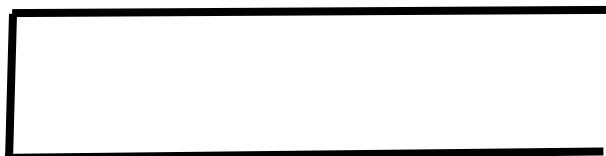
2. An ARROW identifies data flow or data in motion. It is a pipeline through which information flow.



3. A CIRCLE or a BUBBLE (Some people use an over bubble) represents a process transforms in coming data flow into outgoing data flow.



4. An OPEN RECTANGLE is a data store or data at rest or a temporary rest repository of data.



Note that a DFD describe what data flow (logical) rather than they are processed, so it does not depend on hardware, software and data structure or file organization.

5. SYSTEM DESIGN

System Design is the solution to the creation of a new system. This is the important aspect made up of several steps. The complete, efficient and successful system should provide the following in succession: -

- * From where should we start
- * where we have to go
- * where we should stop

if the project is to be successful, we will need answer these question. The answer of these questions is schema manner and is known as systemdesign. A systematic manner will be followed so as to achieve beneficial result at the end. It involves starting with a vague idea and ultimately developing it up into a useful system. The design phase is transition from a user oriented to a document oriented to the programmers. Software report can be broken into a series of steps starting with the basic ideas and ending with the finished project

The steps for the successful project are as follows: -

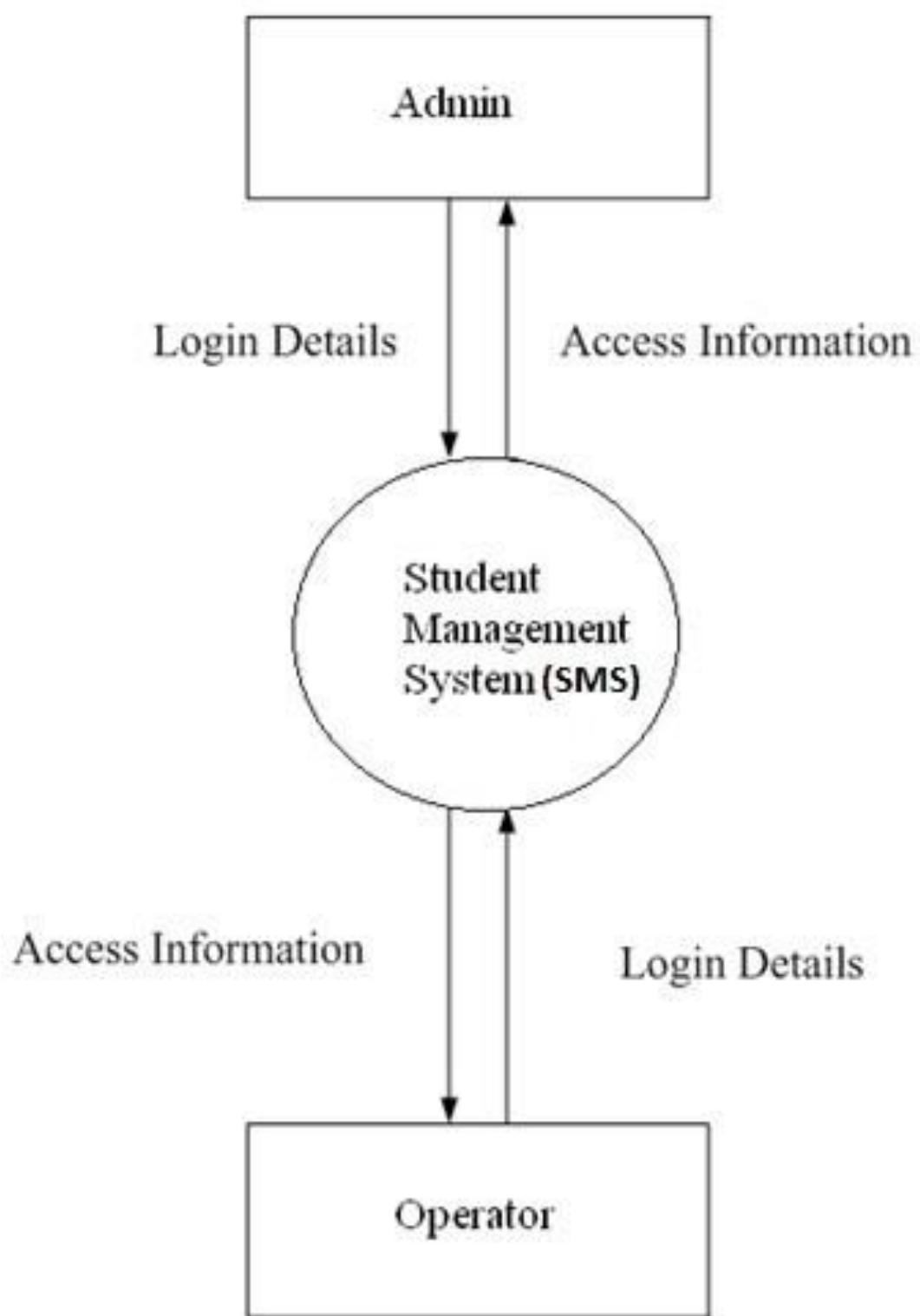
- We should define problem completely and the goals should be known before our destination
- In the next step, we should specify inputs and outputs of our interest
- Then the structure of various database should

be designed which will be used during the programming

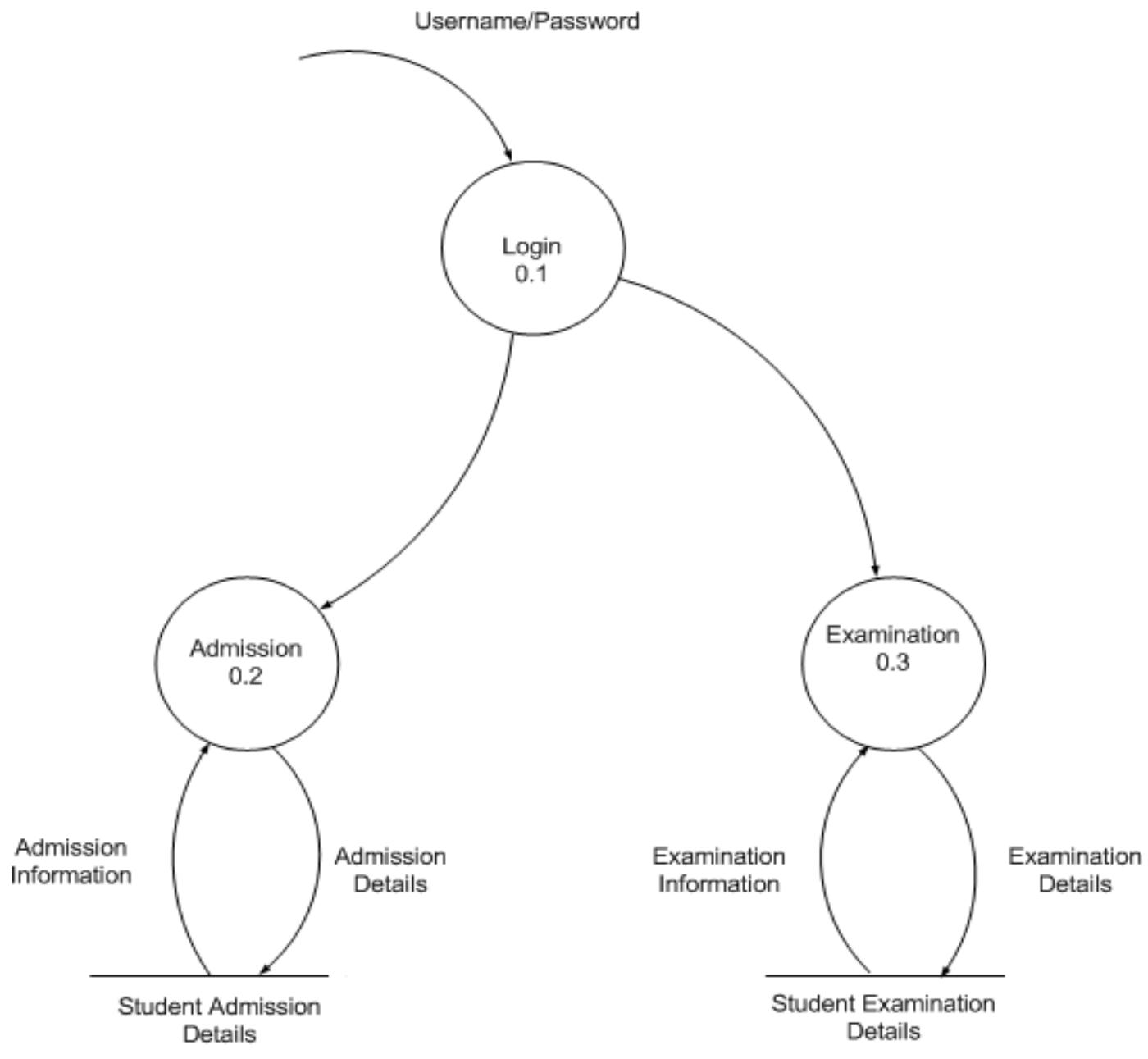
- Next, we should design our programs of user friendly nature and always provide a way to the user to read back the origin if he/she find any complex problem at any stage
- We should know the function of each and every program which will leads us to or helps us to read at the specified goal.
- Then we write these individual programs which later on joining solve our problem
- Next step involve then testing of these programs and correction – if necessary
- At last, linking all the programs in a well-specified manner and combining in the form of a menu, submenu etc. will be our defined problem. Out of these defined steps, few of the major steps will respect to Project

PROCESSING OF SMS

Level 0 DFD

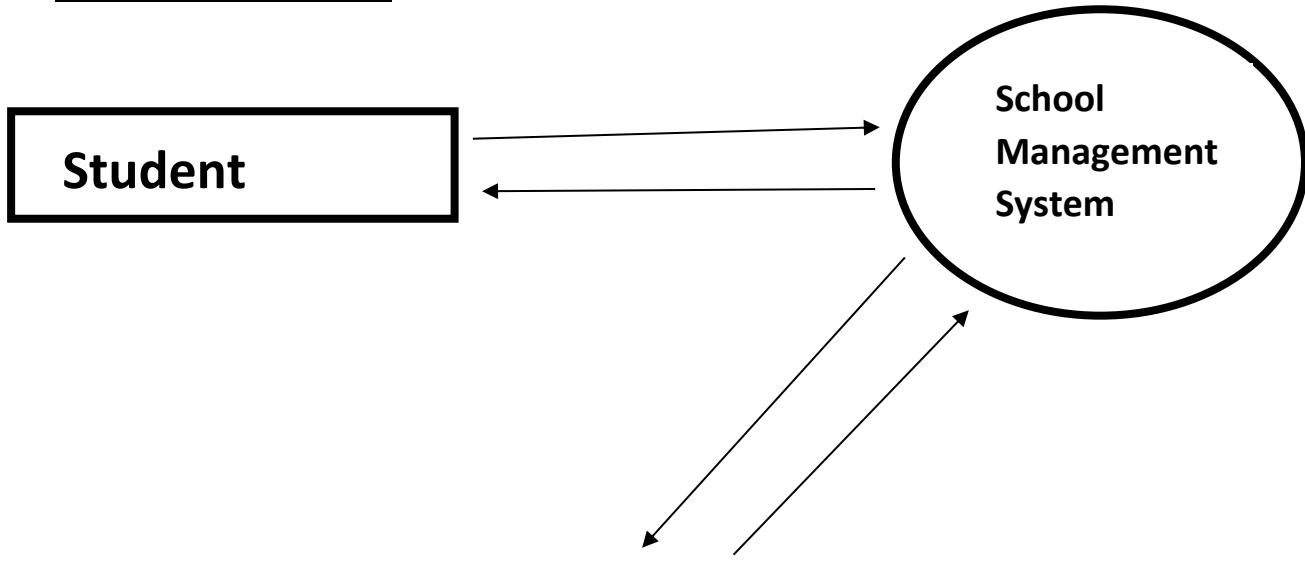


Level 1 DFD



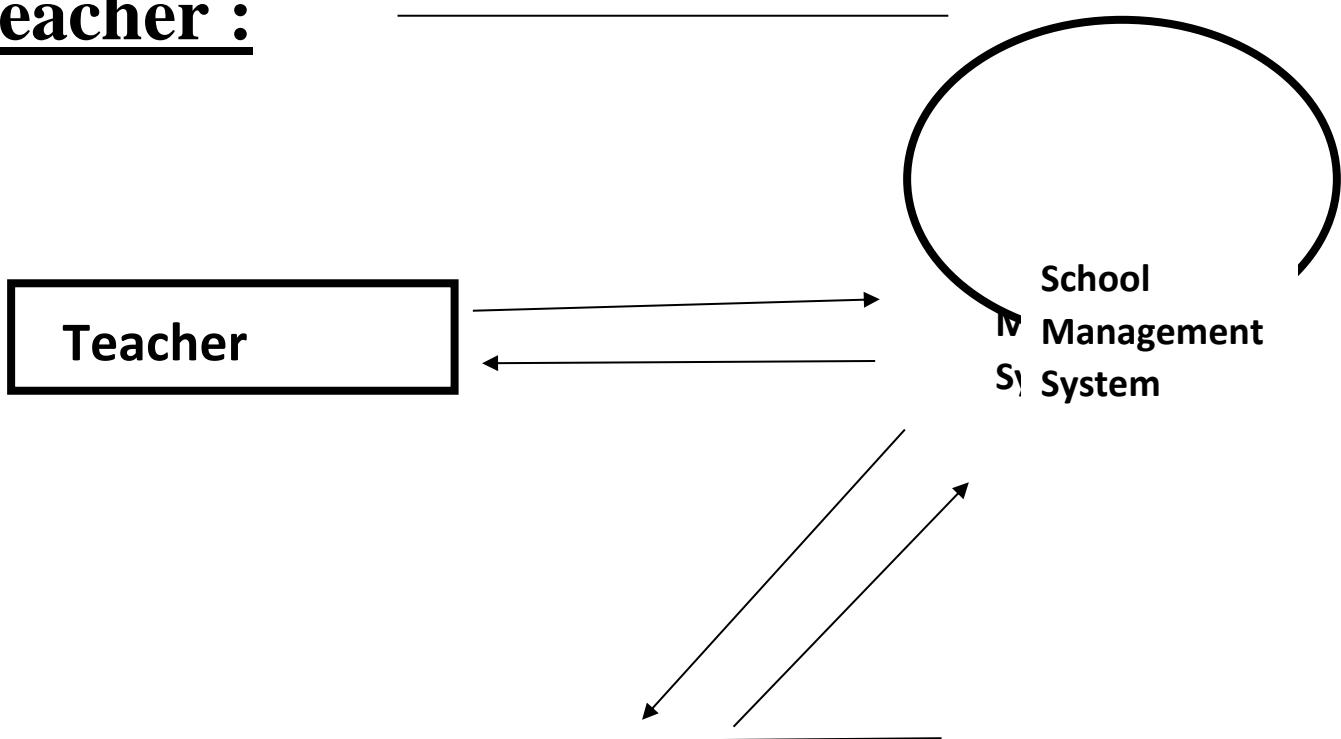
Level 2 DFD

Student :



Admission

Teacher :



TeacherDB

DATABASE DESIGN

- Database Design is most important in any project. We are using the following table to store
- the information related to staff of school

1. STAFF

Field Name	Constraints	Type
EMPNO	A.I/P.K	NUMBER(5)
EMPNAME	Not Null	VARCAHR(30)
ADDRESS	Not Null	VARCAHR(30)
CITY	Not Null	VARCAHR(15)
PIN	Not Null	VARCAHR(6)
STATE	Not Null	VARCAHR(15)
PHONE	Not Null	VARCAHR(15)
MOBILE	Not Null	VARCAHR(13)
EMAIL	Not Null	VARCAHR(30)
GENDER	Not Null	VARCAHR(1)
M_STATUS	Not Null	VARCAHR(15)

DOB	Not Null	DATE
DOJ	Not Null	DATE
DEPT	Not Null	VARCAHR(30)
NATURE_OF_JOB	Not Null	VARCAHR(10)
BASIC_PAY	Not Null	NUMBER(10.2)

2.STUDENT

Field Name	Constraints	Type
REGNO	A.I/P.K	NUMBER(5)
ROLLNO	A.I	NUMBER(5)
CLASS	NOT NULL	VARCHAR(4)
NAME	NOT NULL	VARCHAR(25)
FNAME	NOT NULL	VARCHAR(25)
MNAME	NOT NULL	VARCHAR(25)
DOB	NOT NULL	DATE
DOR	NOT NULL	DATE
ADDRESS	NOT NULL	VARCHAR(30)
CITY	NOT NULL	VARCHAR(15)
STATE	NOT NULL	VARCHAR(15)
PIN	NOT NULL	VARCHAR(6)
PHONE	NOT NULL	VARCHAR(15)

3.FEE

Field Name	Constraints	Type
REGNO	F.K	NUMBER(5)
ROLLNO	F.K	NUMBER(5)
CLASS	NOT NULL	VARCHAR(4)
FEEDEP	NOT NULL	NUMBER(5)
DEPDATE	NOT NULL	DATE
FINE	NOT NULL	NUMBER(3)

2. RESULTS

Field Name	Constraints	Type
REGNO	F.K	NUMBER(5)
SUBJECT_NAME	NOT NULL	VARCHAR(15)
MAX_MARKS	NOT NULL	NUMBER(3)
PASS_MARKS	NOT NULL	NUMBER(3)
MARKS_OBT	NOT NULL	NUMBER(3)

MODULES USED IN THE PROJECT

This project includes the following modules for development of the project. These are as follows: -

1. SPLASH FORM

This is first form that displays the welcome screen for the user and also shows the Information of developer or version etc.

2. LOGIN FORM

This form shows the username and password when user enter a valid user name and

Password then he/she can operate the application.

3. MAIN FORM

This form is a menu-based form that displays the menu for operation of the application. It includes various options for staff, student, fees and report related option.

4. STUDENT FORM

This form provides the option to add, modify, delete or find the information of a student who seeks the admission in the school.

5. STAFF FORM

This form provides the option to add, delete, search and delete the information of staff (either teaching or non-teaching) that is working in the school.

6. FEE FORM

This form provides the option to the user of the system to add, delete, modify and search the Information of the fee deposited by the student.

7. RESULT FORM

This form displays the options for the user to add, delete and modify the details of student Related to the marks.

8. REPORT FORM

With the help of this option from menu user of the system can see or take the print out of Various reports provided by the system.

9. GOODBYE FORM

This form is activating when user select the exit option from menu or close the application.

This form shows the good-bye message to the user and also say thanks to the user for using this application.

NAME OF REPORTS

Following are the reports names that are generated by the Project for the management of school or Staff members ofthe school.

1. Details of teaching staff
2. Details of non-teaching staff
3. Class wise detail of students
4. Date wise detail of students based on dateof admission
5. Detail of student according to name wise
6. Teacher report based on the Date of joining

6. TOOLS, SOFTWARE & HARDWARE REQUIREMENTS

We have a wide range of options of languages. From these options we can choose appropriate platform/tools and languages for development of the project.

Some of these are as follows:-

Project Category: Web-Based Application

SOFTWARE REQUIREMENTS:

IDE: Dream Viewer, VS Code. **Front End:**

HTML, CSS, JavaScript Back End: PHP

RDBMS: MySQL 8.0 or Higher

Browser: Chrome, Firefox etc. (latest version)

Operating System: Windows 7 and above, Linux etc.

HARDWARE REQUIREMENTS:

Processor: Intel Pentium, Core duo or more

RAM: 2GB or more

Cache: 512 KB

Hard-disk: 50 GB hard disk recommended

Monitor, Keyboard & mouse.

7. Are you doing this project for any Industry/Client?

Ans. NO.

8. FUTURE SCOPE OF THE PROJECT

Nothing is perfect in this world. So, we are also no exception. Although, we have tried our best to present the information effectively, yet, there can be further enhancement in the Application.

We have taken care of all the critical aspects, which need to take care of during the development of the Project.

Like the things this project also has some limitations and can further be enhanced by someone, because there are certain drawbacks that do not permit the system to be 100% accurate.

BIBLIOGRAPHY

Websites

- <https://www.mysqltutorial.org/>
- <https://www.tutorialspoint.com/>
- <https://javatpoint.com/>
- <https://W3schools.com/>
- <https://edureka.co/>

Books

- HTML & CSS: Design and Build Web Sites
- Head First SQL: Your Brain on SQL
- SQL Bible, 2nd Edition (Paperback)

Project Report

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6.	Design Document	
7.	Program Code	

8.	Testing
9.	Input and Output Screens
10.	Implementation of Security
11.	Limitation of the Project
12.	Future Application of the Project
13.	Bibliography

1. Title of Project

SCHOOL MANAGEMENT SYSTEM



2. Introduction of the Project

2.1Abstract of the system

Web based school managements systems are designed to manage and store project information that are used in web based applications. The projectis titled “school management system”. This packageonce developed will help the school/ institute to manage various details pertaining to its students.

This will help accounts department in maintaining the details related to the fee & basic details like theirsecurity deposits, conveyance and etc., it will also help management or we can say administration

department in maintaining student’s basic details as well as keeping a check on fees details. This packageis basically developed for the authorities of the school/ institute to make their task easier or we can say this package automate their task like maintainingstudents personal details. This package helps the administrative & accounts

2.2 INTRODUCTION

The title of the project is “School Management system”. This project will handle whole the activities of the school. SMS has most of the facilities that a modern school requires to computerize its day-to-day jobs. It provides facilities to keep the records of student, fees, teaching and non-teaching staff with all their required details along with all required transaction handling. It has facilities to generate various types of reports, which are required by the management during normal business operations to operate the business effectively.

3.OBJECTIVES

This project is based on the RDBMS technology the main objective of this project is to computerize the manual system & reduce the time consumption. In other words we can say that our project has the following objectives:-

- Make all the system computerize
- Reduce time consumption
- Reduce error scope
- All system managements are automated
- Centralized database management
- Easy operations for operator of the system
- No paper work requirement

4. TOOLS / ENVIRONMENT USED

We have a wide range of options of languages. From these options we can choose appropriate platform/ tools and languages for development of the project. Some of these are as follows:-

Project Category: Web-Based Application

SOFTWARE REQUIREMENTS:

IDE: VS Code , Eclipse

Front End: HTML, CSS, JavaScript

Back End: Servlet

RDBMS: MySQL 8.0 or Higher

Browser: Chrome, Firefox etc. (latest version)

Operating System: Windows 7 and above, Linux etc.

HARDWARE REQUIREMENTS:

Processor: Intel Pentium, Core duo or more

RAM: 2GB or more

Cache: 512 KB

Hard-disk: 50 GB hard disk recommended

Monitor, Keyboard & mouse.

5.Analysis document

1 Introduction

The following subsections are an overview of the entire Software Requirements Specification (SRS) document.

1.1 Purpose

This document provides the technical description of all software requirements of SCHOOL MANAGEMENT SYSTEM.

The document will not only define the product functions, user characteristics, constraints, and specific requirements of the system, but also serve as a basis for the Software Design Document that is prepared according to IEEE Std.

The objective of the software is to maintain information pertaining to the students with the purpose of:-

- ♦ Planned approach towards working
- ♦ Accuracy
- ♦ Reliability
- ♦ No Redundancy
- ♦ Immediate retrieval of information
- ♦ Immediate storage of information
- ♦ Easy to Operate

1.2 Scope

“SCHOOL MANAGEMENT SYSTEM” is a project with a mission of viewing and manipulating student information of IIMSR in a Web- based environment. Thus, the overall system will consist of a School Database System and Web Interface.

The School Database System will supply the fundamental database structure of the entire system whereas Web Interface will provide a secure Web interface between the users and the database.

The Software aims to create a “paperless office” rather than using a traditional record keeping system.

Although this project is presently being designed specifically for Integral Institute of Medical Sciences and Research but there exist the possibility in future to upgrade it to general level.

The software will not only help the following levels of user in viewing the information but also each user can alongside update changes within their respective access limits.

* **Administrative Level**

* **User Level**

* **Management of Institute**

* **Faculty**

* **Student**

1.3 Definition

Paperless Office: refers to an integrated working environment where all the data and documentation is represented in electronic format.

Student Personal Information: refers to personal records of individual students bio-data along with his performance throughout the course.

Traditional Record Keeping System: refers to a manual system where all records are kept on papers by manual in-charge.

1.4 References

MCS-014 IGNOU Blocks

1.5 Overview

This document is prepared in accordance with the IEEE Standard, IEEE Recommended Practice for Software Requirements Specifications.

It also provides product perspectives, product functions, user characteristics, general constraints, and assumptions and dependencies of the system.

it will contain functional and performance requirements, design constraints, attributes and external interface requirements for the Software.

2 Overall Description

This section describes the general factors that affect software and its requirements. In order to be easily understandable, this part of SRS provides a background for the requirements.

2.1 Product Perspective

This software is a totally self-contained system. Also it is not dependent of any larger system.

2.1.1 System Interfaces

Since this School Management System is a standalone system, there is no system interface with any other system.

2.1.2 User Interfaces

The interfaces will involve check boxes, combo boxes, text boxes, and radio buttons. The combo boxes and the radio buttons will be used to prevent users from entering wrong type of information. They will also enable fast data entry. Text boxes will be controlled for avoiding invalid and inconsistent data.

Users can use “Tab” key to move cursor on screen items easily.

There will be two types of messages for constructive advice to the users: error and confirmation messages. There will be four types of error messages for application control: input, output, process and database/Web server error messages.

There will be several types of users, and each user will access the screens according to their types after entering their id and passwords. Standard screen format (fixed colors, fonts, background, the page layout, etc.) will be used throughout the interfaces.

The language of the user interfaces will be English

2.1.3 Hardware Interfaces

Processor	:	1 GHz Processor
RAM	:	1 GB (minimum recommended)
Hard Disk	:	20 GB (minimum recommended)
Monitor	:	11"inch DISPLAY or more
Keyboard	:	108 key normal

2.1.4 Software Interfaces

On the client side the required software product is Internet Explorer supporting at least HTML version 3.2, java enabled, and any operating system that can run the browsers.

The project will use following software

Front End	:	Html,css,bootstrap,jquery
Back End	:	Servlet
Database	:	MySQL
Web Server	:	Apache Tomcat 9.0 or higher
Documentation Tool	:	Microsoft Office

2.1.5 Communication Interfaces

The default communication protocol for data transmission between server and the client is Transmission Control Protocol/ Internet Protocol (TCP/IP). At the upper level Hyper Text Transfer Protocol (HTTP, default port=80) will be used for communication between the web server and client.

2.1.6 Memory Constraints

The client computer, which runs the web browser, should have enough physical memory to run this program.

2.2 Product Functions

- ♦ Track Students
- ♦ Keep record of Staff

2.3 Keep record of students achievement User Characteristics

Administrator – The dean will hold full access to view as well as manipulate anywhere in the software and the information.

User- The other user like staff or faculty can view only their individual report and analyze their own performance based on that.

Assumptions

Every user will be having the appropriate hardware and software configuration as per the necessary requirement.

3 Specific Requirements

3.1 Functional Requirements-

The software is meant to generate a student id which will provide unique identity to individual students. It is through this student id that each student's data can be accessed on this platform. The requirements under School Management System are to maintain information relevant to the following fields:

- ♦ **Students Profile-** The full information of each and every student must be maintained in System along with the facility to regularly update it from time to time at regular intervals which will be easily possible through each student's Enrollment number.
- ♦ **Providing statistical reports-** It is meant to analyze each student performance on the individual level as well as among the group.

Software Product Features

The software feature is to provide easy accessibility to student details on IIMSR to the management of the institute. But it requires authentication of user through login id and password at various different levels for safety of the system.

3.2 Performance Requirements

The performance of the software will be as smooth as possible with special consideration on the following parameters-

- ♦ Planned approach towards working
- ♦ Accuracy
- ♦ Reliability
- ♦ No Redundancy
- ♦ Immediate retrieval of information

- ♦ Immediate storage of information
- ♦ Easy to Operate

3.3 Design Constraints

- ♦ GUI is only in English.
- ♦ Login and password is used for identification of user and there is no facility for guest.

3.4 Software System Attributes

Reliability

The system has to operate in a reliable manner with no scope for any flaws. This is to ensure efficient working and processing of information.

Availability

The site should be available all the time without any issues. A backup must be available for recovery issues so that the existing is not lost in case of any issue.

Security

The system has an authorization mechanism for users to identify their personal profiles. Therefore, different users will have different authorization levels to access the data. Data integrity for critical variables will also be checked.

Maintainability

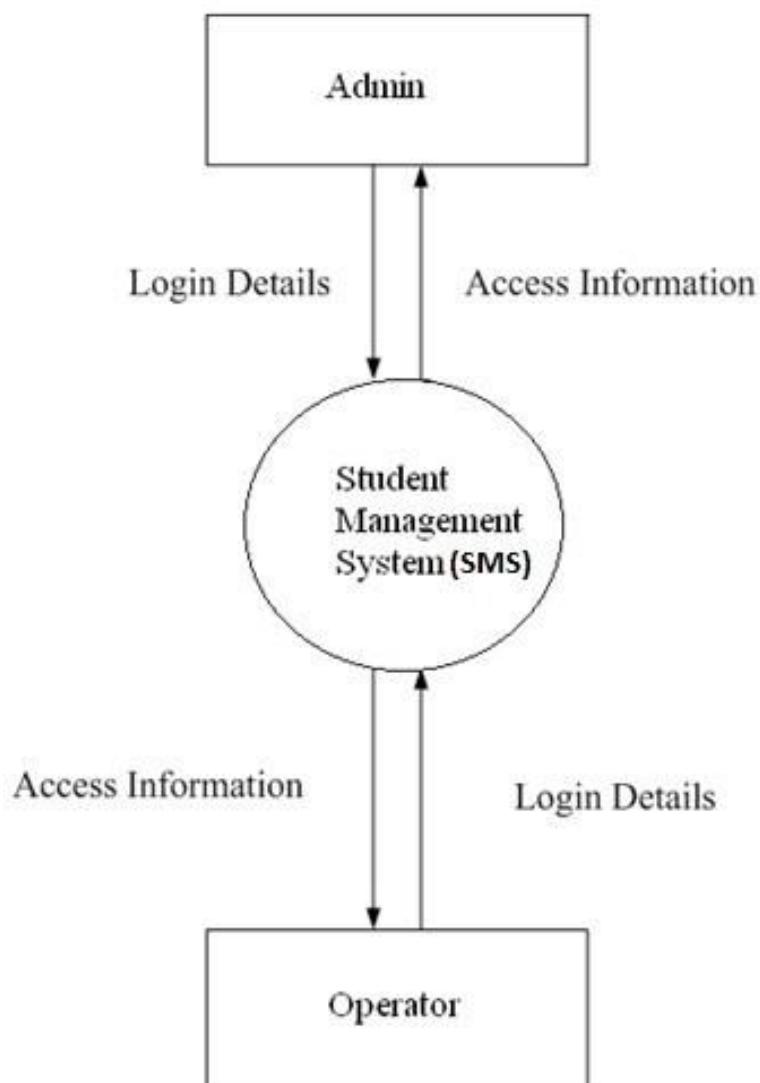
The system can meet the changing requirements easily, since the infrastructure of the system would not need major changes. The requirements of the software while evolving will be met by just adding new sub-functions. Therefore, the maintainability of the system would not be a complex issue.

Portability

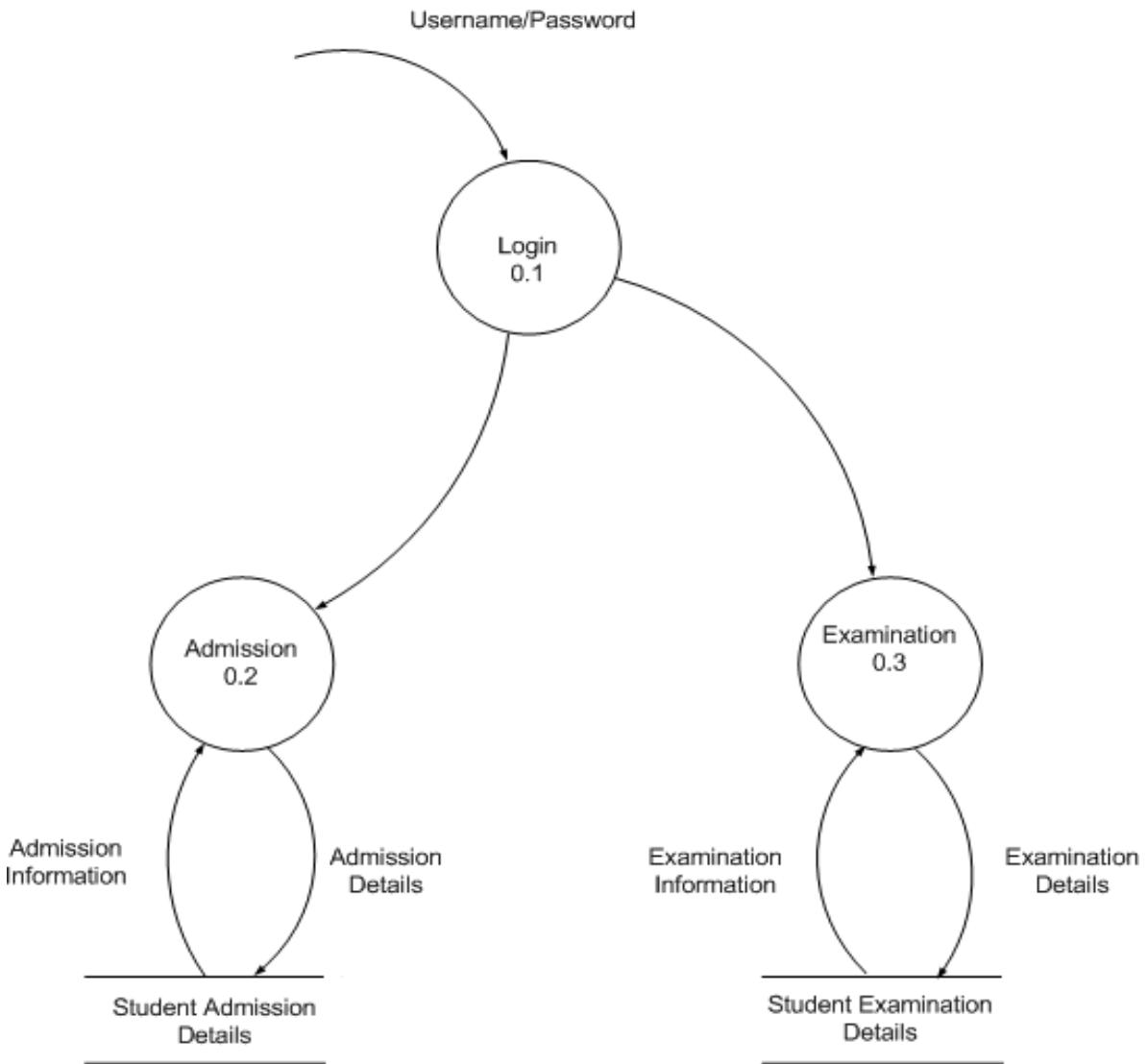
All of the code which will be deployed at the web server will be written in ASP.Net 4.5 and using SQL Server for database storage. So, using IIS (Internet Information Server) the software will remain portable.

3.5 Logical Database Requirements

Level 0 DFD

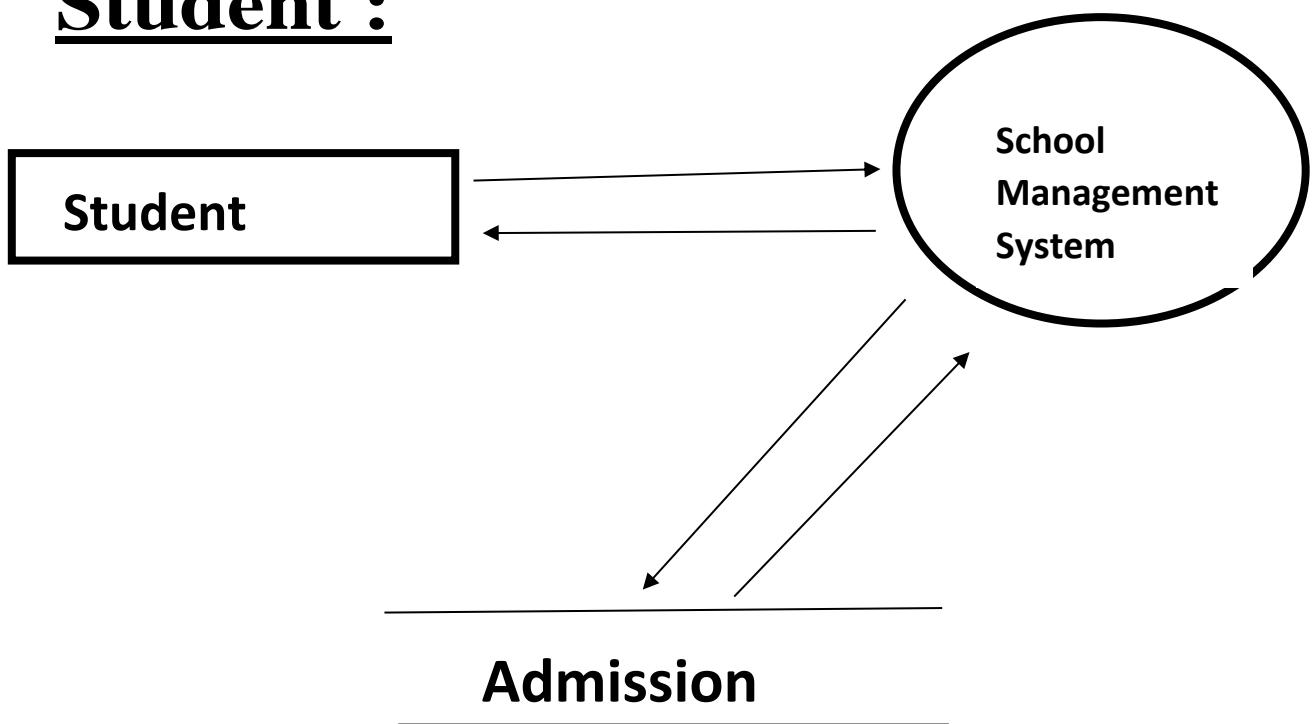


Level 1 DFD

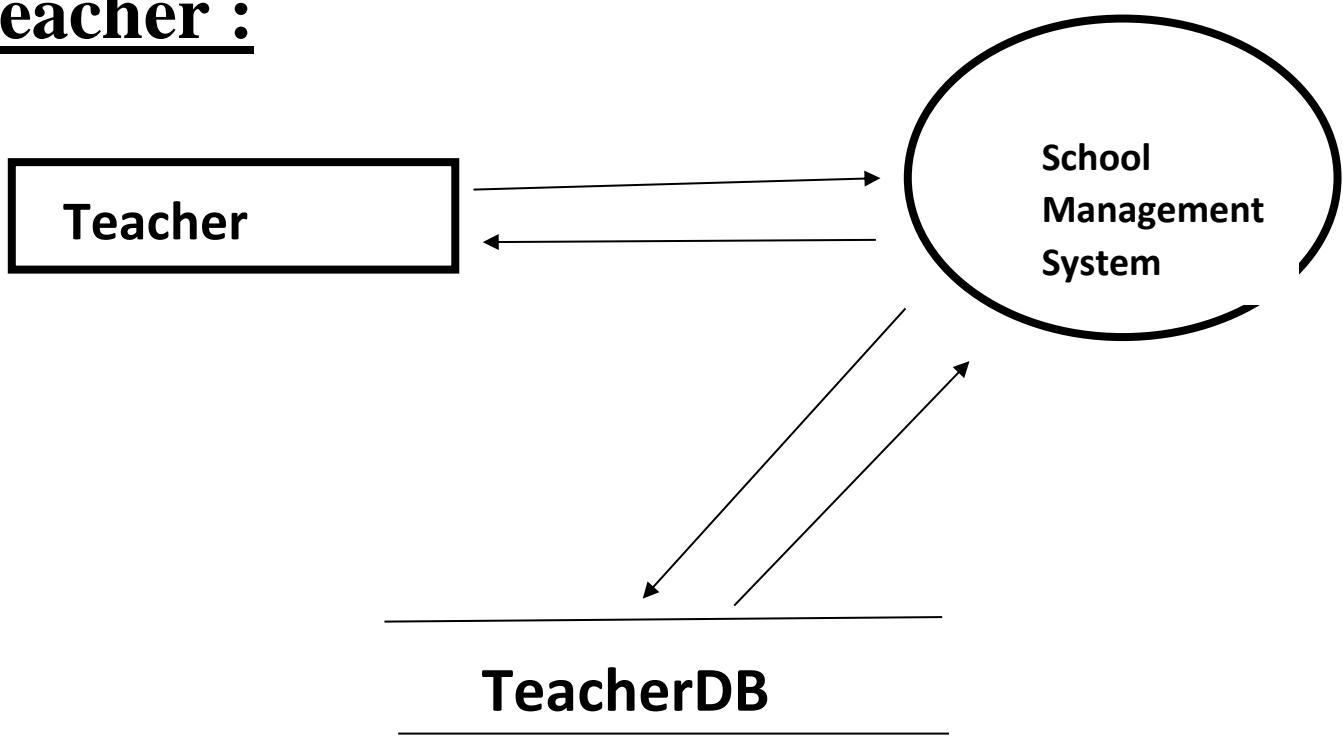


Level 2 DFD

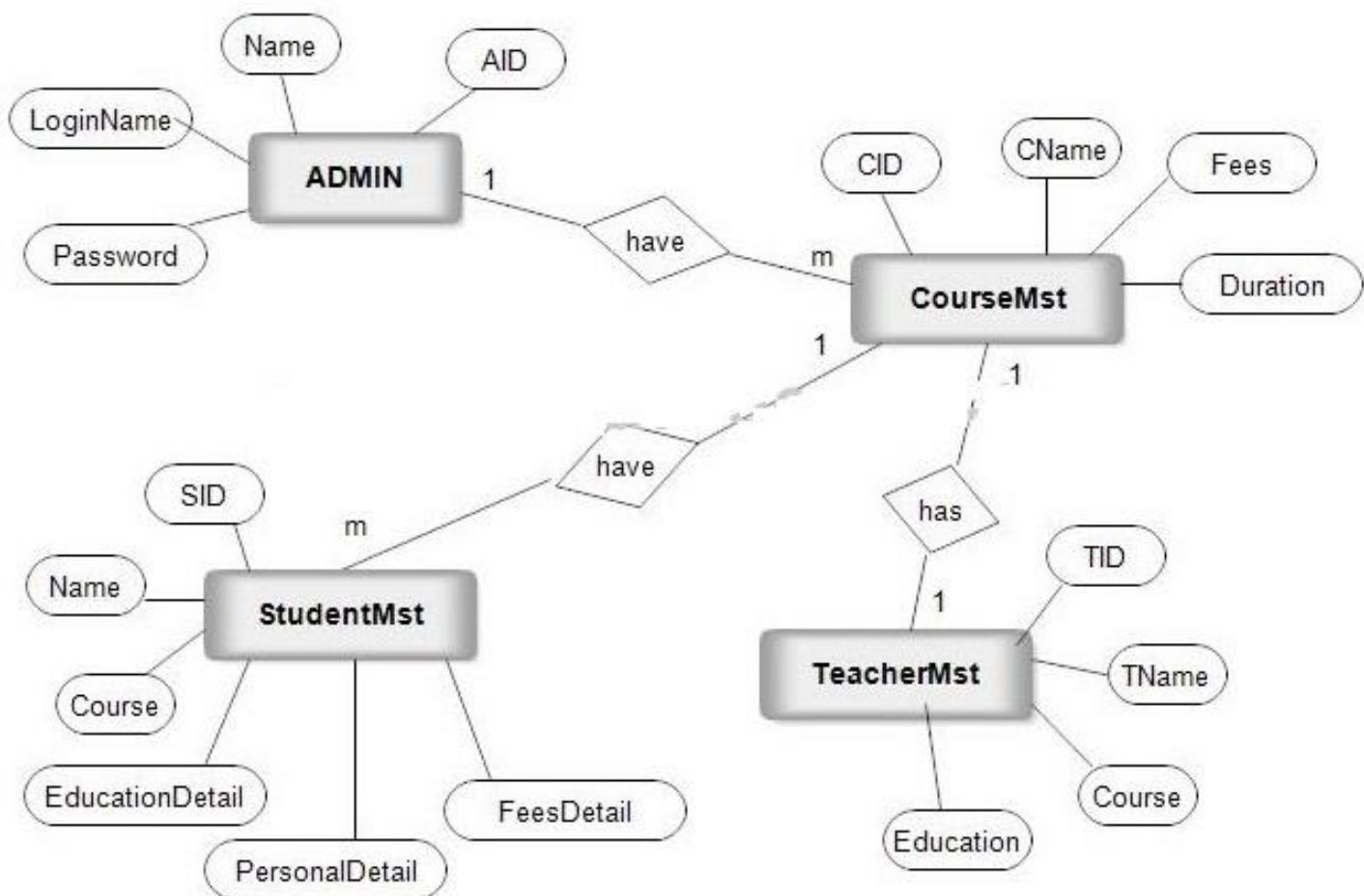
Student :



Teacher :



ER Diagram Examination



Design Document

School Management System (SMS) is a web-based application that tracks current student's academic information. It maintains academic information for ready access by office staff, students, their faculty advisors, and committee members. Instead of tedious paper work, students will be able to submit required information electronically, and the departments will be able to evaluate the submissions with a much quicker turnaround.

The School Management System has been modularized into following modules.

LOGIN MODULE:

The purpose of this module is to provide entry to the system or website. Based on the type of login, the user is provided with various facilities and functionalities. The main function of this module is to allow the user to use SMS. This module provides two types of login —Admin login and Student login. School Management System

ADMINISTRATOR MODULE:

In this module when the administrator will enter his/her user name and password, then he/she will enter in to the administrator page and this page consists of two following sub modules.

Student Addition/ Updation / Deletion: In SMS each Student is added, updated or deleted according to its branch.

Notice/Attendance/Result Generation: In SMS information about notice, attendance and Internal result is generated.

Fee Detail and Schedules: Fee information detail and schedule detail are managed.

STUDENT MODULE:

In this module when a user enters his student id and password, then he can visit all the following pages.

Profile View: When the student clicks on this link he/she will get his/her information like student id, student name, password, father name, date of birth, nationality, city, address, country, phone number, mobile number, email. If he/she wants then he/she can change the profile.

Notice View: When the student clicks on this link, he can see latest notices released by the administrator.

Attendance View: When the student clicks on this one, the student can get his overall attendance percentage (present and absent).

Internal Results View: When the student clicks on this, he/she will get the internals result in all the subjects. How much grade point he/she secure out of 20 he/she can know.

Fee Detail View: When the student clicks this link he/she can get all the fees structure semester wise and annual fee.

The Student Helpdesk: This helpdesk is staffed by faculty who are there to help you. You may contact on (faculty phone no.).

DATABASE DESIGN

- Database Design is most important in any project. We are using the following table to store
- the information related to staff or Student etc.

1. Studentdetails

StudentDetails			
Student_Id	Varchar	Pk/AI	NULL
Student_Rollno	Varchar	unique/AI	NULL
Student_Email	Varchar	unique	notnull
Date_of_joining	date		NULL
Student_Name	Varchar		NULL
Student_fathername	Varchar		NULL
Student_DOB	Varchar		NULL
Student_mobile	Varchar		NULL
Student_photo	Varchar		NULL
Student_username	Varchar		NULL
Student_Password	Varchar		NULL

2. UserDetails

LoginDetails			
username	Varchar	pk/AI	
email	Varchar	unique	not null
password	Varchar		

3. Feedback

Feedback			
Contact_Id	Varchar	PK/ai	not null
student_name	Varchar		NULL
email	Varchar		NULL
text	text		NULL

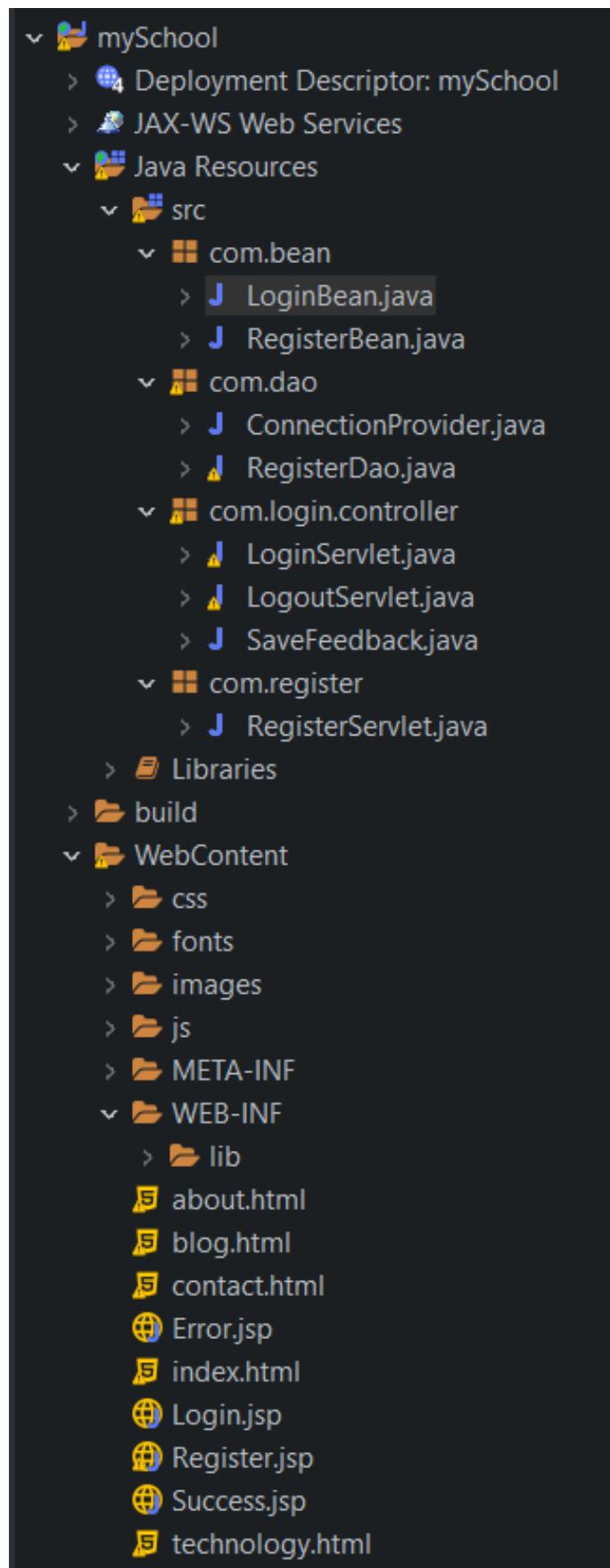
4.TeacherDetails

TeacherDetails			
Teacher_id	Varchar	Pk/AI	NULL
Teacher_name	Varchar		NULL
Teacher_Email	Varchar		NULL
Teacher_qualification	Varchar		NULL
Teacher_joining	Varchar		NULL
Teacher_DOB	Varchar		NULL
Teacher_photo	Varchar		NULL

5.Courses

COURSE			
COURSE_ID	Varchar	Pk/AI	NULL
COURSE_name	Varchar		NULL
COURSE_time	Varchar		NULL
COURSE_type	Varchar		NULL
Course_level	Varchar		NULL
course_description	Varchar		NULL

5.Program code



1. LoginBean.java

```
package com.bean;

public class LoginBean {

    private String userName;
    private String password;

    public String getUserName() {
        return userName;
    }
    public void setUserName(String userName) {
        this.userName = userName;
    }
    public String getPassword() {
        return password;
    }
    public void setPassword(String password) {
        this.password = password;
    }
}
```

2. RegisterBean

```
package com.bean;

public class RegisterBean
{
    String name,password,email,gender,city,country,username,role;
    String dob,Qualification;
    int id;
    String contact;
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }

    public String getUserName() {
        return username;
    }
    public void setUserName(String username) {
        this.username =username;
    }
}
```

```
public String getPassword() {
    return password;
}
public void setPassword(String password) {
    this.password = password;
}
public String getEmail() {
    return email;
}
public void setEmail(String email) {
    this.email = email;
}

public String getContact() {
    return contact;
}
public void setContact(String contact) {
    this.contact = contact;
}
public String getUsername() {
    return username;
}
public void setUsername(String username) {
    this.username = username;
}
public int getId() {
    return id;
}
// public void setId(int id) {
//     this.id = id;
// }
public String getGender() {
    return gender;
}
public void setGender(String gender) {
    this.gender = gender;
}
public String getCity() {
    return city;
}
public void setCity(String city) {
    this.city = city;
}
public String getCountry() {
    return country;
}
public void setCountry(String country) {
    this.country = country;
}
public String getDob() {
    return dob;
}
```

```

    }
    public void setDob(String dob) {
        this.dob = dob;
    }
    public String getQualification() {
        return Qualification;
    }
    public void setQualification(String qualification) {
        Qualification = qualification;
    }
    public String getRole() {
        return role;
    }
    public void setRole(String role) {
        this.role = role;
    }
}

```

3. ConnectionProvider

```

package com.dao;

import java.sql.*;
public class ConnectionProvider {
    static Connection con = null;
    public static Connection getConnection()
    {
        try
        {
            Class.forName("com.mysql.cj.jdbc.Driver");
            con = DriverManager.getConnection("jdbc:mysql://localhost:3306/myschool","root"
,"1234");
        }catch(Exception e)
        {
            e.printStackTrace();
        }
        return con;
    }
}

```

4. RegisterDao

```
package com.dao;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;

import com.bean.LoginBean;

public class RegisterDao {

    public static String checkLogin(String email, String password) throws SQLException, ClassNotFoundException, NullPointerException {

        Connection connection = ConnectionProvider.getConnection();
        String sql = "SELECT * FROM UserDetails";
        PreparedStatement statement = connection.prepareStatement(sql);

        ResultSet result = statement.executeQuery();

        if (result.next()) {

            if((email.equals(result.getString("username")) || email.equals(result.getString("email")) ) && password.equals(result.getString("password")))
            {
                return "valid";
            }
        }

        connection.close();

        return "invalid";
    }

    public static int saveFeedback(String name, String email, String subject) throws SQLException
    {

        Connection connection = ConnectionProvider.getConnection();
        String sql = "insert into feedback(name,email,subject) values(?, ?, ?);";
        PreparedStatement statement = connection.prepareStatement(sql);
        statement.setString(1, name);
        statement.setString(2, email);
        statement.setString(3, subject);
        int status=0;
        status= statement.executeUpdate();
        System.out.println(status);
        return status;
    }
}
```

```
    }
}
```

5. LoginServlet

```
package com.login.controller;

import java.io.IOException;
import java.sql.SQLException;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.bean.LoginBean;
import com.dao.RegisterDao;

@WebServlet("/LoginServlet")
public class LoginServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public LoginServlet() {
        super();
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        String email = request.getParameter("email");
        String password = request.getParameter("password");

        try {
            String user = RegisterDao.checkLogin(email, password);

            String destPage = "Login.jsp";

            if (user != null) {
                HttpSession session = request.getSession();
                session.setAttribute("user", user);
                destPage = "index.html";
            } else {
                String message = "Invalid email/password";
                request.setAttribute("errMessage", message);
            }
        }
    }
}
```

```

        RequestDispatcher dispatcher = request.getRequestDispatcher(destPage);
        dispatcher.forward(request, response);

    } catch (SQLException | ClassNotFoundException ex) {
        throw new ServletException(ex);
    }
}
}

```

6. LogoutServlet

```

package com.login.controller;

import java.io.IOException;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

public class LogoutServlet extends HttpServlet
{
    private static final long serialVersionUID = 1L;
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
    {
        HttpSession session = request.getSession(false); //Fetch session object

        if(session!=null) //If session is not null
        {
            session.invalidate(); //removes all session attributes bound to the session
            request.setAttribute("errMessage", "You have logged out successfully");

            RequestDispatcher requestDispatcher = request.getRequestDispatcher("./Login.jsp");
            requestDispatcher.forward(request, response);
        }
    }
}

```

7. SaveFeedback

```
package com.login.controller;

import java.io.IOException;
import java.sql.SQLException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.dao.RegisterDao;
@WebServlet("/SaveFeedback")
public class SaveFeedback extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public SaveFeedback() {
        super();
    }
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

        String name=request.getParameter("name");
        String email=request.getParameter("email");
        String query=request.getParameter("text");

        int status=0;
        try {
            status = RegisterDao.saveFeedback(name,email,query);
        } catch (SQLException e) {
            e.printStackTrace();
        }

        if(status!=0)
        {
            RequestDispatcher dispatcher = request.getRequestDispatcher("Success.jsp");
            dispatcher.forward(request, response);
        }
        else
        {
            RequestDispatcher dispatcher = request.getRequestDispatcher("Error.jsp");
            dispatcher.forward(request, response);
        }
    }
}
```

8. RegisterServlet

```
package com.register;

import java.io.IOException;
import java.sql.Connection;
import java.sql.PreparedStatement;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import com.dao.ConnectionProvider;

@WebServlet("/RegisterServlet")
public class RegisterServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    public RegisterServlet() {
        super();
    }
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

        int flag=0;
        try {
            Connection con = ConnectionProvider.getConnection();
            PreparedStatement ps = con.prepareStatement("insert into UserDetails (username ,email,password) values(?, ?, ?)");
            ps.setString(1, request.getParameter("username"));
            ps.setString(2, request.getParameter("email"));
            ps.setString(3, request.getParameter("password"));
            flag = ps.executeUpdate();

            if(flag!=0){
                request.getRequestDispatcher("Success.jsp").forward(request, response);
            }
            else
            {
                request.getRequestDispatcher("Error.jsp").forward(request, response);
            }
        }
        catch(Exception se)
        {
            se.printStackTrace();
            System.out.print(se);
        }
    }
}
```

9. About.html

```
<!DOCTYPE HTML>
<html>
<head>
<title>School Management System</title>
<!-- Bootstrap -->
<link href="css/bootstrap.min.css" rel='stylesheet' type='text/css' />
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
<meta name="viewport" content="width=device-width, initial-scale=1">
<script type="application/x-
javascript"> addEventListener("load", function() { setTimeout(hideURLbar, 0); }, false)
; function hideURLbar(){ window.scrollTo(0,1); } </script>
<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />
<style type="text/css">
#login{
    height:50px;
    margin-right:30px;
    padding:10px;
    font-size:200%;
    background-color:#211e1d;
    color:white;
    border-radius:5px;
}
#register{
    height:50px;
    padding:10px;
    font-size:200%;
    background-color:#211e1d;
    color:white;
    border-radius:5px;
}

</style>
<!-- start plugins -->
<script type="text/javascript" src="js/jquery.min.js"></script>
<script type="text/javascript" src="js/bootstrap.js"></script>
<script type="text/javascript" src="js/bootstrap.min.js"></script>
<!--font-Awesome---->
    <link rel="stylesheet" href="fonts/css/font-awesome.min.css">
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css" integrity="sha512-
iBBXm8fW90+nuLcSK1bmPcLa00T92x01BIzZ+ywDwZCvqsWgccV3gFoRBv0z+8dLJgyAHIhR35VZc2oM/gI1w=
=" crossorigin="anonymous" referrerpolicy="no-referrer" />
<!--font-Awesome---->
</head>

<body>
<div class="header_bg1">
```

```

<div class="container">
    <div class="row header">
        <div class="logo navbar-left">
            <h1><a href="index.html" style="text-transform: none;">mySchool </a></h1>
        </div>
        <div class="h_search navbar-right">
            <a href="Login.jsp"><button id="login">Login</button></a>
            <a href="LogoutServlet/"><button id="register">Register</button></a>
        </div>
        <div class="clearfix"></div>
    </div>
    <div class="row h_menu">
        <nav class="navbar navbar-default navbar-left" role="navigation">
            <!-- Brand and toggle get grouped for better mobile display -->
            <div class="navbar-header">
                <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#bs-example-navbar-collapse-1">
                    <span class="sr-only">Toggle navigation</span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                </button>
            </div>
            <!-- Collect the nav links, forms, and other content for toggling -->
            <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
                <ul class="nav navbar-nav">
                    <li><a href="index.html">Home</a></li>
                    <li><a href="technology.html">Activities</a></li>
                    <li class="active"><a href="about.html">About</a></li>
                    <li><a href="blog.html">Blog</a></li>
                    <li><a href="contact.html">Contact</a></li>
                </ul>
            </div><!-- /.navbar-collapse -->
            <!-- start soc_icons -->
        </nav>
        <div class="soc_icons navbar-right">
            <ul class="list-unstyled text-center">
                <li><a href="https://twitter.com/NChauhan_"><i class="fab fa-twitter"></i></a></li>
                <li><a href="https://www.facebook.com/profile.php?id=100011722830873"><i class="fab fa-facebook"></i></a></li>
                <li><a href="mailto:Nehachauhan7034@gmail.com"><i class="fas fa-envelope"></i></a></li>
                <li><a href="https://www.linkedin.com/in/neha-chauhan-54b8791a1"><i class="fab fa-linkedin"></i></a></li>
            </ul>
        </div>
        <div class="clearfix"></div>
    </div>
</div>

```

```
<div class="main_bg"><!-- start main -->
<div class="container">
    <div class="about_row" style="font-size: 150%;">
        <h2><b>about us</b></h2>
        <p class="para"> <b>my School</b> has been established in 2010 with a noble sole motto of providing quality and value based education to all the sections of the society. It has been built on the pillars of Quality Education, Social Service, Positive Attitude, Commitment, Dedication and Promoting Indian Values.
```

Under the visionary guidance of **Miss. Neha Chauhan**, Chairman, my School, the school has grown from strength to strength in pursuit of excellence in the field of education in its short journey. She is a youth icon working selflessly to promote value based quality education for students. Over the years, he has been facilitating and promoting academics and skills in emerging areas of higher

education. my School generous financial aid program ensures that talented students from all economic backgrounds can afford quality education. A vast range of educational, cultural, social and extra-curricular activities are available to students, faculty and staff. Campus live activities are built around the concepts of encouraging each member to express his or her talent and to respect all members of our pluralistic culture. </p>

<p class="para"><h2>MILESTONES</h2> • my School started in April 2017. • FREE EDUCATION to financially weaker students since 2017-till now. 200+ Students completed their Programming free of cost.

• Awarded with “EXCELLENCE IN SOCIAL EDUCATIONAL INITIATIVE” for the contribution in “Upliftment of Financially weaker section of society in Education Sector” by HINDUSTAN TIMES in 2018.

• my School has been one of the 5 Star Center of PMKVY, Govt of India in Skill Development Mission among 175 centers in India in 2017-18. 350+ Candidates participated.

• NISHULK SHIKSHA ABHIYAAN in Skill Development Area has been cherished by the government as well as students since 2017 to till date. 5120+ Students empowered with skill sets till now.

• my School became the Training Center for Child Welfare Girls Training by Delhi Council, Govt of India in 2018-19. 107 Girls trained for various disciplines.

• Center for Basic Shiksha Parishad Training, Govt of India in 2016-17. 60 Government teachers trained free of cost. </p>

```
    <a href="single-page.html" class="fa-btn btn-1 btn-1e">read more</a>
</div>
</div>
</div><!-- end main -->
<div class="main_btm"><!-- start main_btm -->
    <div class="container">
        <div class="main_row">
            <div class="col-md-6 content_left">
```

```


</div>
<div class="col-md-6 content_right">
    <h4><span>Founder Message</span> </h4>
    <p class="para">
        The aim of education is the knowledge not of fact, but of values.

```

We aim at imparting education to young minds in a manner so as to keep them abreast with the changing times while not losing track of their traditional and cultural values. This in other words we entail equipping the young minds with the capacity and intellect to face challenges as well as developing in them values such as those which are to be found in a well rounded personality.

We believe that the greatest gift we can give to our students are ROOTS & WINGS. Roots entrenched in tradition and wings of independence to help them to explore their self and beyond. We make all efforts to impart whole some value based quality education coupled with enough mental & physical space for real growth.


```

“Miss. Neha Chauhan”<br>
Founder<br>
my School </p>
<a href="single-page.html" class="fa-btn btn-1 btn-1e">read more</a>
</div>
</div>
</div>
<div class="footer_bg"><!-- start footer -->
<div class="container">
    <div class="row footer">
        <div class="copy text-center">
            <p class="link"><span>© All rights reserved | Design by<span><a href="#">Neha Chauhan</a></span></span></p>
        </div>
    </div>
</div>
</body>
</html>

```

10. Blog.html

```

<!DOCTYPE HTML>
<html>
<head>
<title>School Management System</title>
<!-- Bootstrap -->
<link href="css/bootstrap.min.css" rel='stylesheet' type='text/css' />
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />

```

```

<meta name="viewport" content="width=device-width, initial-scale=1">
<script type="application/x-
javascript"> addEventListener("load", function() { setTimeout(hideURLbar, 0); }, false)
; function hideURLbar(){ window.scrollTo(0,1); } </script>
<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />
<style type="text/css">
#login{
    height:50px;
    margin-right:30px;
    padding:10px;
    font-size:200%;
    background-color:#211e1d;
    color:white;
    border-radius:5px;
}
#register{
    height:50px;
    padding:10px;
    font-size:200%;
    background-color:#211e1d;
    color:white;
    border-radius:5px;
}

</style>
<!-- start plugins -->
<script type="text/javascript" src="js/jquery.min.js"></script>
<script type="text/javascript" src="js/bootstrap.js"></script>
<script type="text/javascript" src="js/bootstrap.min.js"></script>
<!--font-Awesome---->
    <link rel="stylesheet" href="fonts/css/font-awesome.min.css">
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css" integrity="sha512-
iBBXm8fW90+nuLcSKlbmrPcLa0OT92x01BIsZ+ywDWZCvqsWgccV3gFoRBv0z+8dLJgyAHIhR35VZc2oM/gI1w=
=" crossorigin="anonymous" referrerpolicy="no-referrer" />

<!--font-Awesome---->
</head>
<body>
<div class="header_bg1">
<div class="container">
    <div class="row header">
        <div class="logo navbar-left">
            <h1><a href="index.html" style="text-transform: none;">mySchool</a></h1>
        </div>
        <div class="h_search navbar-right">
            <a href="Login.jsp"><button id="login">Login</button></a>
            <a href="LogoutServlet/"><button id="register">Register</button></a>
        </div>
        <div class="clearfix"></div>
    </div>
</div>

```

```

<div class="row h_menu">
    <nav class="navbar navbar-default navbar-left" role="navigation">
        
        <div class="navbar-header">
            <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#bs-example-navbar-collapse-1">
                <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
        </div>
        
        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
            <ul class="nav navbar-nav">
                <li><a href="index.html">Home</a></li>
                <li><a href="technology.html">Activities</a></li>
                <li><a href="about.html">About</a></li>
                <li class="active"><a href="blog.html">Blog</a></li>
                <li><a href="contact.html">Contact</a></li>
            </ul>
        </div><!-- /.navbar-collapse -->
        <!-- start soc_icons -->
    </nav>
    <div class="soc_icons navbar-right">
        <ul class="list-unstyled text-center">
            <li><a href="https://twitter.com/NChauhan_"><i class="fab fa-twitter"></i></a></li>
            <li><a href="https://www.facebook.com/profile.php?id=100011722830873"><i class="fab fa-facebook"></i></a></li>
            <li><a href="mailto:Nehachauhan7034@gmail.com"><i class="fas fa-envelope"></i></a></li>
            <li><a href="https://www.linkedin.com/in/neha-chauhan-54b8791a1"><i class="fab fa-linkedin"></i></a></li>
        </ul>
    </div>
    <div class="clearfix"></div>
</div>
</div>
<div class="main_bg"><!-- start main -->
    <div class="container">
        <div class="main row">
            <div class="col-md-8 blog_left">
                <h4><a href="single-page.html">mySchool at a Glance </a></h4>
                <a href="single-
page.html"></a>
                <div class="blog_list">
                    <ul class="list-unstyled">
                        <li><i class="fa fa-calendar-o"></i><span>June 21, 2019</span></li>

```

```
        <li><a href="#"><i class="fa fa-comment"></i><span>Comments</span></a></li>
            <li><a href="#"><i class="fa fa-user"></i><span>Admin</span></a></li>
                <li><a href="#"><i class="fa fa-eye"></i><span>12k views</span></a></li>
            </ul>
        </div>
        <p class="para">One of the pioneers of Public School Education , established in the year 1996, Siddharth iwalker mySchoolstands apart in the galaxy of good public schools in NOIDA.
    
```

It is affiliated to C.B.S.E upto +2 level and is under the direct control of DAV College Managing Committee, New Delhi.

The motto of the school is to promote a well-balanced and holistic education based on “VEDIC CULTURE”.

SC DAV NOIDA has today, etched a name for itself not merely as an abode of learning but as an " Sanctorum of wisdom" ,for we are a school that believes that education lies beyond the text book and the true learning comes from self enquiry and research, from discussion, from reading, and from encouraging the natural curiosity of young minds. We hone their talents, sculpt their inherent potentials, chisel their thinking prowess not through teaching but by facilitating. We lead them to the threshold of learning from where they grasp each lesson of life on their own and prove to be the true citizens of India.</p>

```
<div class="read_more">
    <a href="single-page.html" class="fa-btn btn-1 btn-1e">view more</a>
</div>
<h4><a href="single-page.html">Mission</a></h4>
<a href="single-page.html"></a>
<div class="blog_list">
    <ul class="list-unstyled">
        <li><i class="fa fa-calendar-o"></i><span>June 29, 2019</span></li>
            <li><a href="#"><i class="fa fa-comment"></i><span>Comments</span></a></li>
                <li><a href="#"><i class="fa fa-user"></i><span>Admin</span></a></li>
                    <li><a href="#"><i class="fa fa-eye"></i><span>11.8k views</span></a></li>
                </ul>
            </div>
            <p class="para">The school stands committed to provide quality education through tested and accepted procedures and processes that aim at continual improvement of the learners;an education for human excellence, which helps children, grow into responsible citizens of their country who will build a caring and sharing society. The school's curriculum woven with the strings of Vedic knowledge and culture and a host of co-curricular activities, aims at building integrated and wholesome personalities, who are not only equipped with the 21st century skills, but are also equipped with a strong value system. They are fearless, bold and confident, open and receptive, creative and ima
```

ginative, active and perceptive and yet kind, soft-spoken and well-behaved, disciplined and dedicated, hardworking and sincere and above all cheerful and smiling, Is to be a Centre of Educational Excellence for all children, dedicated to produce responsible citizens and strong leaders for the future-to provide a holistic, stimulating, friendly & safe environment to the students who would come out fully equipped with 21st century skills and enriched with vedic values, and would be able to enjoy the journey of life with a smile on their faces, spark in their eyes and wisdom in their thoughts and actions.</p>

```
<div class="read_more">
    <a href="single-page.html" class="fa-btn btn-1 btn-1e">view more</a>
</div>
</div>
<div class="col-md-4 blog_right">
    <!-- start social_network_likes -->
    <div class="social_network_likes">
        <ul class="list-unstyled">
            <li><a href="#" class="tweets"><div class="followers"><p><span>211k</span>Followers</p></div><div class="social_network"><i class="twitter-icon"> </i> </div></a></li>
            <li><a href="#" class="facebook-followers"><div class="followers"><p><span>198k</span>Followers</p></div><div class="social_network"><i class="facebook-icon"> </i> </div></a></li>
            <li><a href="#" class="email"><div class="followers"><p><span>175k</span>members</p></div><div class="social_network"><i class="email-icon"> </i> </div> </a></li>
            <li><a href="#" class="dribbble"><div class="followers"><p><span>210k</span>Followers</p></div><div class="social_network"><i class="dribbble-icon"> </i> </div></a></li>
        <div class="clear"> </div>
        </ul>
    </div>
    <ul class="ads_nav list-unstyled">
        <li><a href="#"> </a></li>
        <li><a href="#"> </a></li>
        <li><a href="#"> </a></li>
        <li><a href="#"> </a></li>
    <div class="clearfix"></div>
    </ul>
    <ul class="tag_nav list-unstyled">
        <h4>tags</h4>
        <li class="active"><a href="#">art</a></li>
        <li><a href="#">awesome</a></li>
        <li><a href="#">classic</a></li>
        <li><a href="#">photo</a></li>
        <li><a href="#">wordpress</a></li>
        <li><a href="#">videos</a></li>
        <li><a href="#">standard</a></li>
        <li><a href="#">gaming</a></li>
        <li><a href="#">photo</a></li>
    </ul>
</div>
```

```

        <li><a href="#">music</a></li>
        <li><a href="#">data</a></li>
        <div class="clearfix"></div>
    </ul>
    <div class="news_letter">
        <h4>news letter</h4>
        <form>
            <span><input type="text" placeholder="Your email address"></span>
            <span class="pull-right fa-btn btn-1 btn-1e"><input type="submit" value="subscribe"></span>
        </form>
    </div>
    <div class="clearfix"></div>
</div>
</div><!-- end main -->
<div class="footer_bg"><!-- start footer -->
    <div class="container">
        <div class="row footer">
            <div class="copy text-center">
                <p class="link"><span>© All rights reserved | Design by&nbsp;</span><a href="#">Neha chauhan</a></span></p>
            </div>
        </div>
    </div>
</div>
</body>
</html>

```

11. Contact.html

```

<!DOCTYPE HTML>
<html>
<head>
<title>School Management System</title>
<!-- Bootstrap -->
<link href="css/bootstrap.min.css" rel='stylesheet' type='text/css' />
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
<meta name="viewport" content="width=device-width, initial-scale=1">
<script type="application/x-
javascript"> addEventListener("load", function() { setTimeout(hideURLbar, 0); }, false)
; function hideURLbar(){ window.scrollTo(0,1); } </script>
<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />
<style type="text/css">
#login{
    height:50px;

```

```

margin-right:30px;
padding:10px;
font-size:200%;
background-color:#211e1d;
color:white;
border-radius:5px;
}

#register{
    height:50px;
    padding:10px;
    font-size:200%;
    background-color:#211e1d;
    color:white;
    border-radius:5px;
}

</style>
<!-- start plugins -->
<script type="text/javascript" src="js/jquery.min.js"></script>
<script type="text/javascript" src="js/bootstrap.js"></script>
<script type="text/javascript" src="js/bootstrap.min.js"></script>
<!---font-Awesome---->
    <link rel="stylesheet" href="css/font-awesome.min.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css" integrity="sha512-
iBBXm8fW90+nuLcSK1bmPcLa00T92x01BIsZ+ywDwZCvqsWgccV3gFoRBv0z+8dLJgyAHIhR35VZc2oM/gI1w=
=" crossorigin="anonymous" referrerpolicy="no-referrer" />
<!---font-Awesome---->
</head>
<body>
<div class="header_bg1">
<div class="container">
    <div class="row header">
        <div class="logo navbar-left">
            <h1><a href="index.html" style="text-transform: none;">mySchool</a></h1>
        </div>
        <div class="h_search navbar-right">
            <a href="Login.jsp"><button id="login">Login</button></a>
            <a href="LogoutServlet/"><button id="register">Register</button></a>
        </div>
        <div class="clearfix"></div>
    </div>
    <div class="row h_menu">
        <nav class="navbar navbar-default navbar-left" role="navigation">
            <!-- Brand and toggle get grouped for better mobile display -->
            <div class="navbar-header">
                <button type="button" class="navbar-toggle" data-toggle="collapse" data-
target="#bs-example-navbar-collapse-1">
                    <span class="sr-only">Toggle navigation</span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>

```

```

        <span class="icon-bar"></span>
    </button>
</div>
<!-- Collect the nav links, forms, and other content for toggling -->
<div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
    <ul class="nav navbar-nav">
        <li><a href="index.html">Home</a></li>
        <li><a href="technology.html">Activities</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="blog.html">Blog</a></li>
        <li class="active"><a href="contact.html">Contact</a></li>
    </ul>
</div><!-- /.navbar-collapse -->
<!-- start soc_icons -->
</nav>
<div class="soc_icons navbar-right">
    <ul class="list-unstyled text-center">
        <li><a href="https://twitter.com/NChauhan_"><i class="fab fa-twitter"></i></a></li>
            <li><a href="https://www.facebook.com/profile.php?id=100011722830873"><i class="fab fa-facebook"></i></a></li>
                <li><a href="mailto:Nehachauhan7034@gmail.com"><i class="fas fa-envelope"></i></a></li>
                    <li><a href="https://www.linkedin.com/in/neha-chauhan-54b8791a1"><i class="fab fa-linkedin"></i></a></li>
    </ul>
</div>
<div class="clearfix"></div>
</div>
</div>
<div class="main_bg"><!-- start main -->
    <div class="container">
        <div class="main_row">
            <iframe width="100%" height="350" frameborder="0" scrolling="no" marginheight="0" marginwidth="0" src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3500.529989183339!2d77.27995101492436!3d28.673788682401494!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x390cf80c7b24911%3A0xa0d3109e7de9ce89!2sShyam%20La%20College!5e0!3m2!1sen!2sin!4v1624783525416!5m2!1sen!2sin"></iframe><br><small><a href="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3500.529989183339!2d77.27995101492436!3d28.673788682401494!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x390cf80c7b24911%3A0xa0d3109e7de9ce89!2sShyam%20La%20College!5e0!3m2!1sen!2sin!4v1624783525416!5m2!1sen!2sin" style="font-family: 'Open Sans', sans-serif; color:#555555; text-shadow:0 1px 0 #ffffff; text-align:left; font-size:12px; padding: 5px;">View Larger Map</a></small>
        </div>
    </div>
</div><!-- end main -->
<div class="main_btm"><!-- start main_btm -->
    <div class="container">
        <div class="main_row">

```

```

<div class="col-md-4 company_ad">
    <h2>find Address :</h2>
    <address>
        <p>Shyam Lal College</p>
        <p> GT Road, near Metro Sation, Dwarkapuri, </p>
        <p>Shahdara, New Delhi, India</p>
        <p>Phone: (+91) 958 267 6508</p>
        <p>Email: <a href="mailto:nchauhan@gmail.com">nchauhan@gmail.com</a>
    </p>
    <p>Follow on: <a href="#">Facebook</a>, <a href="#">Twitter</a>
</p>
</address>
</div>
<div class="col-md-8">
    <div class="contact-form">
        <h2>Contact Us</h2>
        <form method="post" action="SaveFeedback">
            <div>
                <span>name</span>
                <span><input type="text" name="name" class="form-control" id="userName"></span>
            </div>
            <div>
                <span>e-mail</span>
                <span><input type="email" name="email" class="form-control" id="inputEmail3"></span>
            </div>
            <div>
                <span>subject</span>
                <span><textarea name="text"> </textarea></span>
            </div>
            <div>
                <label class="fa-btn btn-1 btn-1e"><input type="submit" value="submit us"></label>
            </div>
        </form>
    </div>
    <div class="clearfix"></div>
</div>
</div>
<div class="footer_bg"><!-- start footer -->
    <div class="container">
        <div class="row footer">
            <div class="copy text-center">
                <p class="link"><span>© All rights reserved | Design by&nbsp;</span>
                <a href="#">Neha Chauhan</a></span></p>
            </div>
        </div>
    </div>
</div>

```

```
</div>
</body>
</html>
```

12. Error.jsp

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>Success Confirmation</title>
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">
<link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js">
</script>
<script>
    $(document).ready(function(){
        $("#myModal").modal('show');
    });
</script>
<style>

.login-dark {
    height: 750px;
    background: #475d62 url("./images/star-sky.jpg);
    background-size: cover;
    position: relative;
    background-repeat: no-repeat;
    background-attachment: fixed;
}

.modal-confirm {
    color: #434e65;
    width: 525px;
}
.modal-confirm .modal-content {
    padding: 20px;
    font-size: 16px;
    border-radius: 5px;
    border: none;
}
```

```
.modal-confirm .modal-header {
    background: #e85e6c;
    border-bottom: none;
    position: relative;
    text-align: center;
    margin: -20px -20px 0;
    border-radius: 5px 5px 0 0;
    padding: 35px;
}
.modal-confirm h4 {
    text-align: center;
    font-size: 36px;
    margin: 10px 0;
}
.modal-confirm .form-control, .modal-confirm .btn {
    min-height: 40px;
    border-radius: 3px;
}
.modal-confirm .close {
    position: absolute;
    top: 15px;
    right: 15px;
    color: #fff;
    text-shadow: none;
    opacity: 0.5;
}
.modal-confirm .close:hover {
    opacity: 0.8;
}
.modal-confirm .icon-box {
    color: #fff;
    width: 95px;
    height: 95px;
    display: inline-block;
    border-radius: 50%;
    z-index: 9;
    border: 5px solid #fff;
    padding: 15px;
    text-align: center;
}
.modal-confirm .icon-box i {
    font-size: 58px;
    margin: -2px 0 0 -2px;
}
.modal-confirm.modal-dialog {
    margin-top: 80px;
}
.modal-confirm .btn, .modal-confirm .btn:active {
    color: #fff;
    border-radius: 4px;
    background: #eeb711 !important;
```

```

        text-decoration: none;
        transition: all 0.4s;
        line-height: normal;
        border-radius: 30px;
        margin-top: 10px;
        padding: 6px 20px;
        min-width: 150px;
        border: none;
    }
.modal-confirm .btn:hover, .modal-confirm .btn:focus {
    background: #eda645 !important;
    outline: none;
}
.display-3{
    color:Red;
}
</style>
</head>
<body class="login-dark" >
<div class="jumbotron text-center">
    <h1 class="display-
3">Oops! Something Went Wrong.</h1><br><h1> Please try after Some time.</h1>
    <p class="lead"><strong>Please check our site</strong> for further instructions on ho
w to complete your account setup.</p>
    <hr>
    <p>
        Having trouble? <a href="">Contact us</a>
    </p>
    <p class="lead">
        <a class="btn btn-primary btn-
sm" href=".//index.jsp" role="button">Continue to homepage</a>
    </p>
</div>
<!-- Modal HTML -->
<div id="myModal" class="modal fade">
    <div class="modal-dialog modal-confirm">
        <div class="modal-content">
            <div class="modal-header justify-content-center">
                <div class="icon-box">
                    <i class="material-icons">#xE5CD;</i>
                </div>
                <button type="button" class="close" data-dismiss="modal" aria-
hidden="true">&times;</button>
            </div>
            <div class="modal-body text-center">
                <h4>Oops!</h4>
                <p>Something went wrong. Please try again or Contact us</p>
                <button class="btn btn-success" data-dismiss="modal">Try Again</button>
            </div>
        </div>
    </div>
</div>
</div>

```

```
</body>
</html>
```

13. Index.html

```
<!DOCTYPE HTML>
<html>
<head>
<title>School Management System</title>
<!-- Bootstrap -->
<link href="css/bootstrap.min.css" rel='stylesheet' type='text/css' />
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
<meta name="viewport" content="width=device-width, initial-scale=1">
<script type="application/x-
javascript"> addEventListener("load", function() { setTimeout(hideURLbar, 0); }, false)
; function hideURLbar(){ window.scrollTo(0,1); } </script>
<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css" integrity="sha512-
iBBXm8fW90+nuLcSK1bmPcLa00T92x01BIsZ+ywDWZCvqsWgccV3gFoRBv0z+8dLJgyAHIhR35VZc2oM/gI1w=
=" crossorigin="anonymous" referrerpolicy="no-referrer" />
<!-- start plugins -->
<script type="text/javascript" src="js/jquery.min.js"></script>
<script type="text/javascript" src="js/bootstrap.js"></script>
<script type="text/javascript" src="js/bootstrap.min.js"></script>
<!-- start slider -->
<link href="css/slider.css" rel="stylesheet" type="text/css" media="all" />
<script type="text/javascript" src="js/modernizr.custom.28468.js"></script>
<script type="text/javascript" src="js/jquery.cslider.js"></script>

<script type="text/javascript">
$(function() {

    $('#da-slider').cslider({
        autoplay : true,
        bgincrement : 450
    });

});
</script>
<!-- Owl Carousel Assets -->
<link href="css/owl.carousel.css" rel="stylesheet">
<style type="text/css">
#login{
    height:50px;
    margin-right:30px;
    padding:10px;
    font-size:200%;
```

```

background-color:#211e1d;
color:white;
border-radius:5px;
}

#register{
    height:50px;
    padding:10px;
    font-size:200%;
    background-color:#211e1d;
    color:white;
    border-radius:5px;
}

</style>
<script src="js/owl.carousel.js"></script>
<script>
$(document).ready(function() {

    $("#owl-demo").owlCarousel({
        items : 4,
        lazyLoad : true,
        autoPlay : true,
        navigation : true,
        navigationText : ["", ""],
        rewindNav : false,
        scrollPerPage : false,
        pagination : false,
        paginationNumbers : false,
    });

    });
</script>
<!-- //Owl Carousel Assets -->
<!--font-Awesome---->
<link rel="stylesheet" href="css/font-awesome.min.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css" integrity="sha512-
iBBXm8fW90+nuLcSKlbmrPcLa00T92x01BIzZ+ywDWZCvqsWgccV3gFoRBv0z+8dLJgyAHIhR35VZc2oM/gIIw=
" crossorigin="anonymous" referrerpolicy="no-referrer" />

<!--font-Awesome---->
</head>
<body>
<div class="header_bg">
<div class="container">
    <div class="row header">
        <div class="logo navbar-left">
            <h1><a href="index.html" style="text-transform: none;">mySchool</a></h1>
        </div>
        <div class="h_search navbar-right">
            <!-- <form>

```

```

        <input type="text" class="text" value="Enter text here" onfocus="this.value = '';" onblur="if (this.value == '') {this.value = 'Enter text here';}">
            <input type="submit" value="search">
        </form> -->
    <a href="Login.jsp"><button id="login">Login</button></a>
    <a href="Register.jsp"><button id="register">Register</button></a>
    </div>
    <div class="clearfix"></div>
</div>
</div>
<div class="container">
    <div class="row h_menu">
        <nav class="navbar navbar-default navbar-left" role="navigation">
            <!-- Brand and toggle get grouped for better mobile display -->
            <div class="navbar-header">
                <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#bs-example-navbar-collapse-1">
                    <span class="sr-only">Toggle navigation</span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                </button>
            </div>
            <!-- Collect the nav links, forms, and other content for toggling -->
            <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
                <ul class="nav navbar-nav">
                    <li class="active"><a href="index.html">Home</a></li>
                    <li><a href="technology.html">Activities</a></li>
                    <li><a href="about.html">About</a></li>
                    <li><a href="blog.html">Blog</a></li>
                    <!-- <li><a href="blog.html">History</a></li> -->
                    <li><a href="contact.html">Contact</a></li>
                </ul>
            </div><!-- /.navbar-collapse -->
            <!-- start soc_icons -->
        </nav>
        <div class="soc_icons navbar-right">
            <ul class="list-unstyled text-center">
                <li><a href="https://twitter.com/NChauhan_"><i class="fab fa-twitter"></i></a></li>
                <li><a href="https://www.facebook.com/profile.php?id=100011722830873"><i class="fab fa-facebook"></i></a></li>
                <li><a href="mailto:Nehachauhan7034@gmail.com"><i class="fas fa-envelope"></i></a></li>
                <li><a href="https://www.linkedin.com/in/neha-chauhan-54b8791a1"><i class="fab fa-linkedin"></i></a></li>
            </ul>
        </div>
    </div>
</div>

```

```
<div class="slider_bg"><!-- start slider -->
    <div class="container">
        <div id="da-slider" class="da-slider text-center">
            <div class="da-slide">
                <h2>education portal</h2>
                <p>Inculcating the joy of learning and enriching the students with academic knowledge, our Website has been constantly providing activity based learning opportunity to it's learners, becoming the most innovative in Delhi.<span class="hide_text">
                    A blend of learning and fun is something which is offered by the institute, achieving excellence in all the fields for more than 25 glorious years.</span></p>
                <h3 class="da-link"><a href="single-page.html" class="fa-btn btn-1 btn-1e">view more</a></h3>
                </div>
            <div class="da-slide">
                <h2>online educations</h2>
                <p>Advances in technology now allow students to study entirely online while still socializing with classmates, watching lectures and participating in subject-specific discussions.<span class="hide_text">Offered by some of the world's top-ranked institutions, online learning offers you all the perks of attending your dream university, with the added convenience of a learning experience tailored to your schedule.</span></p>
                <h3 class="da-link"><a href="single-page.html" class="fa-btn btn-1 btn-1e">view more</a></h3>
                </div>
            <div class="da-slide">
                <h2>Our Staff</h2>
                <p>Tremendous methodologies of Teaching
                    Learning programmes to provide children with ample opportunities
                    Fun Learning Process to provide the students with wings<span class="hide_text">we try several ways of bringing a little joy to all of our students. Each child is as unique as his/her unique thumbprint. The real challenge for any education system is to understand the strengths and turn the weaknesses into assets in an individual.</span></p>
                <h3 class="da-link"><a href="single-page.html" class="fa-btn btn-1 btn-1e">view more</a></h3>
                </div>
            <div class="da-slide">
                <h2>Study Materials</h2>
                <p>our eStudy Materials help the teacher , parents ,student and others to get updated with regular.<span class="hide_text">eaching the students of today, who belong to a generation which excels in the usage of gadgets and touch screens is not an easy job, however, owing to COVID-19 pandemic when the onus of teaching such learners through online platform fell upon a generation not very conversant with gizmos, i</span></p>
                <h3 class="da-link"><a href="single-page.html" class="fa-btn btn-1 btn-1e">view more</a></h3>
                </div>
            </div>
        </div><!-- end slider -->
<div class="main_bg"><!-- start main -->
```

```

<div class="container">
    <div class="main_row">
        <div class="col-md-3 images_1_of_4 text-center">
            <span class="bg"><i class="fas fa-users"></i></span>
            <h4><a href="#">Students</a></h4>
            <p class="para">there are a lot of students got registered with us and  

                We believe sanctity of all religions </p>
            <a href="single-page.html" class="fa-btn btn-1 btn-1e">read more</a>
        </div>
        <div class="col-md-3 images_1_of_4 bg1 text-center">
            <span class="bg"><i class="fas fa-user-graduate"></i></span>
            <h4><a href="#">Graduates</a></h4>
            <p class="para">There are a lot of batches which gets excellent skills  

and gets certified by our institution.</p>
            <a href="single-page.html" class="fa-btn btn-1 btn-1e">read more</a>
        </div>
        <div class="col-md-3 images_1_of_4 bg1 text-center">
            <span class="bg"><i class="fas fa-chalkboard-teacher"></i></span>
            <h4><a href="#">Virtual ClassRoom</a></h4>
            <p class="para">Our classes held online with the most experienced facul  

ties.</p>
            <a href="single-page.html" class="fa-btn btn-1 btn-1e">read more</a>
        </div>
        <div class="col-md-3 images_1_of_4 bg1 text-center">
            <span class="bg"><i class="fas fa-graduation-cap"></i></span>
            <h4><a href="#">Placements</a></h4>
            <p class="para">we provides the Placements to the top students in may r  

eputed companies and institutes.</p>
            <a href="single-page.html" class="fa-btn btn-1 btn-1e">read more</a>
        </div>
    </div>
</div><!-- end main -->
<div class="main_btm"><!-- start main_btm -->
    <div class="container">
        <div class="main_row">
            <div class="col-md-6 content_left">
                
            </div>
            <div class="col-md-6 content_right">
                <h4> A parent's first concern is their child's education in the best po  

ssible way. <br><span>How to enroll your child to a class ? </span> </h4>
                <p class="para">We are determined to be among the top 10 Schools Websit  

e in Delhi, and our gems of Class X help us achieve that goal of being the Top Ranker b  

y scoring 90+ Marks every Year. Our Class XII Board Result for session 2015-  

2018 is Above 90%. The IIT result for the session 2017-18: </p>
                <a href="register.html" class="fa-btn btn-1 btn-1e">Admission Now !</a>
            </div>
        </div>
        <h2 style="text-align: center;">-      Alumni Testimonials      -</h2>
        <!--start-img-cursual-->

```

```

<div id="owl-demo" class="owl-carousel text-center">
    <div class="item">
        <div class="cau_left">
            
        </div>
        <div class="cau_left">
            <h4><a href="#">Aman Tiwari</a></h4>
            <p>
                I spent 5 years at Brandon Hall. I absolutely enjoyed e
very experience while in school. My teachers made the learning experience valuable and
my coaches made sports memorable and fun.
            </p>
        </div>
    </div>
    <div class="item">
        <div class="cau_left">
            
        </div>
        <div class="cau_left">
            <h4><a href="#">Jay Kumar</a></h4>
            <p>
                The school is on a nature reserve which makes the l
earning environment a peaceful and beautiful place to learn and study.
            </p>
        </div>
    </div>
    <div class="item">
        <div class="cau_left">
            
        </div>
        <div class="cau_left">
            <h4><a href="#">Sanjoy Mathur</a></h4>
            <p>
                Each and every teacher I had not only taught me in
a small class setting in ways I understood, but they also all taught us morals and how
to be upstanding citizens.
            </p>
        </div>
    </div>
    <div class="item">
        <div class="cau_left">
            
        </div>
        <div class="cau_left">
            <h4><a href="#">Atul Kushwaha</a></h4>
            <p>

```

As an alumni of the school, I can well assure prospective families that their child will be in the best hands with the teachers and staff.

```
                </p>
            </div>
        </div>
        <div class="item">
            <div class="cau_left">
                
            </div>
            <div class="cau_left">
                <h4><a href="#">Chandraseet Singh</a></h4>
                <p>
```

I was a student at mySchool from 2012-2014. I formed so many amazing relationships with the faculty, staff and my fellow classmates.

```
                </p>
            </div>
        </div>
        <div class="item">
            <div class="cau_left">
                
            </div>
            <div class="cau_left">
                <h4><a href="#">Meeta</a></h4>
                <p>
```

I enrolled at mySchool in 2013 and was a student there for 4 1/2 years. The reasons I am grateful for attending mySchool are endless and helped shape who I am today.

```
                </p>
            </div>
        </div>
        <div class="item">
            <div class="cau_left">
                
            </div>
            <div class="cau_left">
                <h4><a href="#">Chandraseet Singh</a></h4>
                <p>
```

On the other hand, we denounce with righteous indignation and dislike men who are so beguiled pleasure of the moment,

```
                </p>
            </div>
        </div>
        <div class="item">
            <div class="cau_left">
                
```

```

        </div>
        <div class="cau_left">
            <h4><a href="#">Atul</a></h4>
            <p>
                Lorem ipsum dolor amet, consectetur adipisicing elit
                , sed do eiusmod tempor incididunt dolore magna aliqua.
            </p>
        </div>
    </div>
    <div class="item">
        <div class="cau_left">
            
        </div>
        <div class="cau_left">
            <h4><a href="#">Jay Kumar</a></h4>
            <p>
                Sed ut perspiciatis unde omnis iste natus error sit
                voluptatem accusantium doloremque laudantium,
            </p>
        </div>
    </div>
    <div class="item">
        <div class="cau_left">
            
        </div>
        <div class="cau_left">
            <h4><a href="#">Chandraseet Singh</a></h4>
            <p>
                On the other hand, we denounce with righteous indignation and dislike men who are so beguiled pleasure of the moment,
            </p>
        </div>
    </div>
    <div class="item">
        <div class="cau_left">
            
        </div>
        <div class="cau_left">
            <h4><a href="#">Sanjoy Mathur</a></h4>
            <p>
                Sed ut perspiciatis unde omnis iste natus error sit
                voluptatem accusantium doloremque laudantium,
            </p>
        </div>
    </div>
    <!--//End-img-cursual--->
</div>

```

```

</div>
<div class="footer_bg"><!-- start footer -->
    <div class="container">
        <div class="row footer">
            <div class="copy text-center">
                <p class="link"><span>© All rights reserved | Design by&nbsp;<a href="#> Neha Chauhan</a></span></p>
            </div>
        </div>
    </div>
</div>
</body>
</html>

```

14. Login.jsp

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>Bootstrap Login Form with Avatar Image</title>
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"></script>
<style>
body {
    color: #fff;
    background: #d47677;
}

.form-control {
    min-height: 41px;
    background: #fff;
    box-shadow: none !important;
    border-color: #e3e3e3;
}

.form-control:focus {
    border-color: #70c5c0;
}

.form-control, .btn {
    border-radius: 2px;
}

```

```
.login-form {  
    width: 350px;  
    margin: 0 auto;  
    padding: 100px 0 30px;  
}  
.login-form form {  
    color: #7a7a7a;  
    border-radius: 2px;  
    margin-bottom: 15px;  
    font-size: 13px;  
    background: #ececce;  
    box-shadow: 0px 2px 2px rgba(0, 0, 0, 0.3);  
    padding: 30px;  
    position: relative;  
}  
.login-form h2 {  
    font-size: 22px;  
    margin: 35px 0 25px;  
}  
.login-form .avatar {  
    position: absolute;  
    margin: 0 auto;  
    left: 0;  
    right: 0;  
    top: -50px;  
    width: 95px;  
    height: 95px;  
    border-radius: 50%;  
    z-index: 9;  
    background: #70c5c0;  
    padding: 15px;  
    box-shadow: 0px 2px 2px rgba(0, 0, 0, 0.1);  
}  
.login-form .avatar img {  
    width: 100%;  
}  
.login-form input[type="checkbox"] {  
    position: relative;  
    top: 1px;  
}  
.login-form .btn, .login-form .btn:active {  
    font-size: 16px;  
    font-weight: bold;  
    background: #70c5c0 !important;  
    border: none;  
    margin-bottom: 20px;  
}  
.login-form .btn:hover, .login-form .btn:focus {  
    background: #50b8b3 !important;  
}  
.login-form a {
```

```

        color: #fff;
        text-decoration: underline;
    }
.login-form a:hover {
    text-decoration: none;
}
.login-form form a {
    color: #7a7a7a;
    text-decoration: none;
}
.login-form form a:hover {
    text-decoration: underline;
}
.login-form .bottom-action {
    font-size: 14px;
}
</style>
</head>
<body>
<div class="login-form">
    <form action="LoginServlet" method="post">
        <div class="avatar">
            
        </div>
        <h2 class="text-center">Member Login</h2>
        <div class="form-group">
            <input type="text" class="form-control" name="email" placeholder="Username" required="required">
        </div>
        <div class="form-group">
            <input type="password" class="form-control" name="password" placeholder="Password" required="required">
        </div>
        <div class="form-group">
            <button type="submit" class="btn btn-primary btn-lg btn-block">Sign in</button>
        </div>
        <span style="color:red;">
            <%
                if(request.getAttribute("errMessage")!=null){
                    out.print(request.getAttribute("errMessage"));} %></span>
        <div class="bottom-action clearfix">
            <label class="float-left form-check-label"><input type="checkbox"> Remember me</label>
            <a href="#" class="float-right">Forgot Password?</a>
        </div>
    </form>
    <p class="text-center small">Don't have an account? <a href="Register.jsp">Sign up here!</a></p>
</div>
</body>

```

```
</html>
```

15. Register.jsp

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto|Courgette|Pacifico:400,700">
<title>Bootstrap Start Free Trail Sign up Form</title>
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"></script>
<style>
body {
    color: #999;
    background: #e2e2e2;
    font-family: 'Roboto', sans-serif;
}
.form-control {
    min-height: 41px;
    box-shadow: none;
    border-color: #e1e1e1;
}
.form-control:focus {
    border-color: #00cb82;
}
.form-control, .btn {
    border-radius: 3px;
}
.form-header {
    margin: -30px -30px 20px;
    padding: 30px 30px 10px;
    text-align: center;
    background: #00cb82;
    border-bottom: 1px solid #eee;
    color: #fff;
}
.form-header h2 {
```

```
    font-size: 34px;
    font-weight: bold;
    margin: 0 0 10px;
    font-family: 'Pacifico', sans-serif;
}
.form-header p {
    margin: 20px 0 15px;
    font-size: 17px;
    line-height: normal;
    font-family: 'Courgette', sans-serif;
}
.signup-form {
    width: 390px;
    margin: 0 auto;
    padding: 30px 0;
}
.signup-form form {
    color: #999;
    border-radius: 3px;
    margin-bottom: 15px;
    background: #f0f0f0;
    box-shadow: 0px 2px 2px rgba(0, 0, 0, 0.3);
    padding: 30px;
}
.signup-form .form-group {
    margin-bottom: 20px;
}
.signup-form label {
    font-weight: normal;
    font-size: 14px;
}
.signup-form input[type="checkbox"] {
    position: relative;
    top: 1px;
}
.signup-form .btn {
    font-size: 16px;
    font-weight: bold;
    background: #00cb82;
    border: none;
    min-width: 200px;
}
.signup-form .btn:hover, .signup-form .btn:focus {
    background: #00b073 !important;
    outline: none;
}
.signup-form a {
    color: #00cb82;
}
.signup-form a:hover {
    text-decoration: underline;
```

```

}
</style>
</head>
<body>
<div class="signup-form">
    <form action="RegisterServlet" method="post">
        <div class="form-header">
            <h2>Register Now!!</h2>
            <p>Fill out this form to start your Golden Journey!</p>
        </div>
        <div class="form-group">
            <label>Username</label>
            <input type="text" class="form-control" name="username" required="required">
        </div>
        <div class="form-group">
            <label>Email Address</label>
            <input type="email" class="form-control" name="email" required="required">
        </div>
        <div class="form-group">
            <label>Password</label>
            <input type="password" class="form-control" name="password" required="required">
        </div>
        <div class="form-group">
            <label>Confirm Password</label>
            <input type="password" class="form-control" name="confirm_password" required="required">
        </div>
        <div class="form-group">
            <label class="form-check-label"><input type="checkbox" required="required"> I accept the <a href="#">Terms of Use</a> &lt;a href="#">Privacy Policy</a></label>
        </div>
        <div class="form-group">
            <input type="submit" class="btn btn-primary btn-block btn-lg">Sign Up</button>
        </div>
    </form>
    <div class="text-center small">Already have an account? <a href="Login.jsp">Login here</a></div>
</div>
</body>
</html>

```

16. Success.jsp

```
<!DOCTYPE html>
```

```
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>Success Confirmation</title>
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">
<link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"></script>
<script>
    $(document).ready(function(){
        $('#myModal').modal('show');
    });
</script>
<style>

.login-dark {
    height: 750px;
    background: #475d62 url(./images/star-sky.jpg);
    background-size: cover;
    position: relative;
    background-repeat: no-repeat;
    background-attachment: fixed;
}

.modal-confirm {
    color: #636363;
    width: 325px;
    font-size: 14px;
}

.modal-confirm .modal-content {
    padding: 20px;
    border-radius: 5px;
    border: none;
}

.modal-confirm .modal-header {
    border-bottom: none;
    position: relative;
}

.modal-confirm h4 {
    text-align: center;
    font-size: 26px;
    margin: 30px 0 -15px;
}

.modal-confirm .form-control, .modal-confirm .btn {
    min-height: 40px;
}
```

```
    border-radius: 3px;
}
.modal-confirm .close {
    position: absolute;
    top: -5px;
    right: -5px;
}
.modal-confirm .modal-footer {
    border: none;
    text-align: center;
    border-radius: 5px;
    font-size: 13px;
}
.modal-confirm .icon-box {
    color: #fff;
    position: absolute;
    margin: 0 auto;
    left: 0;
    right: 0;
    top: -70px;
    width: 95px;
    height: 95px;
    border-radius: 50%;
    z-index: 9;
    background: #82ce34;
    padding: 15px;
    text-align: center;
    box-shadow: 0px 2px 2px rgba(0, 0, 0, 0.1);
}
.modal-confirm .icon-box i {
    font-size: 58px;
    position: relative;
    top: 3px;
}
.modal-confirm.modal-dialog {
    margin-top: 80px;
}
.modal-confirm .btn {
    color: #fff;
    border-radius: 4px;
    background: #82ce34;
    text-decoration: none;
    transition: all 0.4s;
    line-height: normal;
    border: none;
}
.modal-confirm .btn:hover, .modal-confirm .btn:focus {
    background: #6fb32b;
    outline: none;
}
</style>
```

```

</head>
<body class="login-dark" >
<div class="jumbotron text-center">
    <h1 class="display-3">Thank You!</h1>
    <p class="lead"><strong>Please check our site</strong> for further instructions on how to complete your account setup.</p>
    <hr>
    <p>
        Having trouble? <a href="">Contact us</a>
    </p>
    <p class="lead">
        <a class="btn btn-primary btn-sm" href=".index.html" role="button">Continue to homepage</a>
    </p>
</div>
<!-- Modal HTML --&gt;
&lt;div id="myModal" class="modal fade"&gt;
    &lt;div class="modal-dialog modal-confirm"&gt;
        &lt;div class="modal-content"&gt;
            &lt;div class="modal-header"&gt;
                &lt;div class="icon-box"&gt;
                    &lt;i class="material-icons"&gt;#E876;&lt;/i&gt;
                &lt;/div&gt;
                &lt;h4 class="modal-title w-100"&gt;Awesome!&lt;/h4&gt;
            &lt;/div&gt;
            &lt;div class="modal-body"&gt;
                &lt;p class="text-center"&gt;Your Task has Successfully Done . Thankyou visit again !&lt;/p&gt;
            &lt;/div&gt;
            &lt;div class="modal-footer"&gt;
                &lt;button class="btn btn-success btn-block" data-dismiss="modal"&gt;OK&lt;/button&gt;
            &lt;/div&gt;
        &lt;/div&gt;
    &lt;/div&gt;
&lt;/body&gt;
&lt;/html&gt;
</pre>

```

17. Technology.html

```

<!DOCTYPE HTML>
<html>
<head>
<title>School Management System</title>
<!-- Bootstrap -->
<link href="css/bootstrap.min.css" rel='stylesheet' type='text/css' />
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />

```

```

<meta name="viewport" content="width=device-width, initial-scale=1">
<script type="application/x-
javascript"> addEventListener("load", function() { setTimeout(hideURLbar, 0); }, false)
; function hideURLbar(){ window.scrollTo(0,1); } </script>
<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />
<style type="text/css">
#login{
    height:50px;
    margin-right:30px;
    padding:10px;
    font-size:200%;
    background-color:#211e1d;
    color:white;
    border-radius:5px;
}
#register{
    height:50px;
    padding:10px;
    font-size:200%;
    background-color:#211e1d;
    color:white;
    border-radius:5px;
}

</style>
<!-- start plugins -->
<script type="text/javascript" src="js/jquery.min.js"></script>
<script type="text/javascript" src="js/bootstrap.js"></script>
<script type="text/javascript" src="js/bootstrap.min.js"></script>
<!--font-Awesome---->
    <link rel="stylesheet" href="fonts/css/font-awesome.min.css">
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css" integrity="sha512-
iBBXm8fW90+nuLcSKlbmrPcLa0OT92x01BIzZ+ywDWZCvqsWgccV3gFoRBv0z+8dLJgyAHIhR35VZc2oM/gI1w=
=" crossorigin="anonymous" referrerpolicy="no-referrer" />

</head>
<body>
<div class="header_bg1">
<div class="container">
    <div class="row header">
        <div class="logo navbar-left">
            <h1><a href="index.html" style="text-transform: none;">mySchool</a></h1>
        </div>
        <div class="h_search navbar-right">
            <a href="Login.jsp"><button id="login">Login</button></a>
            <a href="LogoutServlet/"><button id="register">Register</button></a>
        </div>
        <div class="clearfix"></div>
    </div>
    <div class="row h_menu">

```

```

<nav class="navbar navbar-default navbar-left" role="navigation">
    <!-- Brand and toggle get grouped for better mobile display -->
    <div class="navbar-header">
        <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#bs-example-navbar-collapse-1">
            <span class="sr-only">Toggle navigation</span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
        </button>
    </div>
    <!-- Collect the nav links, forms, and other content for toggling -->
    <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
        <ul class="nav navbar-nav">
            <li><a href="index.html">Home</a></li>
            <li class="active"><a href="technology.html">Activities</a></li>
            <li><a href="about.html">About</a></li>
            <li><a href="blog.html">Blog</a></li>
            <li><a href="contact.html">Contact</a></li>
        </ul>
    </div><!-- /.navbar-collapse -->
    <!-- start soc_icons -->
</nav>
<div class="soc_icons navbar-right">
    <ul class="list-unstyled text-center">
        <li><a href="https://twitter.com/NChauhan_"><i class="fab fa-twitter"></i></a></li>
        <li><a href="https://www.facebook.com/profile.php?id=100011722830873"><i class="fab fa-facebook"></i></a></li>
        <li><a href="mailto:Nehachauhan7034@gmail.com"><i class="fas fa-envelope"></i></a></li>
        <li><a href="https://www.linkedin.com/in/neha-chauhan-54b8791a1"><i class="fab fa-linkedin"></i></a></li>
    </ul>
</div>
<div class="clearfix"></div>
</div>
</div>
<div class="main_bg"><!-- start main -->
    <div class="container">
        <div class="technology row">
            <h2>our activities</h2>
            <div class="technology_list">
                <h4>1. One Student One Tree Campaign</h4>
                <div class="col-md-10 tech_para">
<p class="para">we issues the directions to all Students to plant trees and staff members under One Student One Tree Movement. The Study Centre has enthusiastically started the movement by calling the students. Almost all Study Centres has submitted their reports for plantation of trees along with action pictures. Regional Centre also participated in this drive on 23rd August 2019.</p>

```

```
</div>
<div class="col-md-2 images_1_of_4 bg1 pull-right">
    <span class="bg"><i class="fa fa-files-o"></i> </span>
</div>
<div class="clearfix"></div>
<div class="read_more">
    <a href="single-page.html" class="fa-btn btn-1 btn-1e">read more</a>
</div>
</div>
<div class="technology_list1">
    <h4>2. Educational Development In Collaboration With Central/State Governments</h4>
    <div class="col-md-10 tech_para">
        <p class="para">
            we has made sustained efforts for reaching out to the marginalized segments through its target area approach by taking special initiatives in the underdeveloped, difficult, and remote and minority dominated states such as, Himachal Pradesh, Uttarakhand, Jammu and Kashmir, Rajasthan, etc.
        <p>
            The following initiatives were undertaken in collaboration with respective state Governments:
            • Training of Untrained Teachers in Jammu & Kashmir through our Initiative
            we and Sarva Shiksha Abhiyan (SSA), Govt. of J&K entered into a MoC for training of around 20,000 untrained teachers of J&K State offering them B.Ed. programme under the Regional Centre Jammu. our B.Ed. The Govt. Of Jammu and Kashmir has entrusted the job of training all the untrained teachers of the entire State by enrolling them in the B.Ed. programme as per the laid down procedures and eligibility criteria.
            As on 31st July 2019 the status under the Project is:
            ? Number of Learners enrolled by the RCs Jammu and Srinagar is: 19909
            ? Number of LSCs opened by the RCs Jammu and Srinagar is: 119</p>
        </div>
        <div class="col-md-2 images_1_of_4 bg1">
            <span class="bg"><i class="fa fa-laptop"></i> </span>
        </div>
        <div class="clearfix"></div>
        <div class="read_more">
            <a href="single-page.html" class="fa-btn btn-1 btn-1e">read more</a>
        </div>
    </div>
    <div class="technology_list1">
        <h4>3. .Swachha Bharat Abhiyan</h4>
        <div class="col-md-10 tech_para">
            <p class="para">
```

The Government of India launched the Swachha Bharat Abhiyan as a national movement on October 2nd, 2014. Through its network of 56 Regional Centres an

d nearly 2000 Learner Support Centres spread across all states of country, we has undertaken various activities under the Swachha Bharat Abhiyan since its inception. A number of activities were also organized at we main campus located in New Delhi. The RCs performed various activities as a part of mission ranging from sensitization of the RC staff and villagers through awareness meetings at RCs and LSCs, Swachhta Rallies, Swachhta Pledge, Cleaning of the office and surroundings, Plantation activity, cleanliness drives, Poster making and Slogan writing competitions on Swachhta and other such activities.

</p>

```
        </div>
        <div class="col-md-2 images_1_of_4 bg1">
            <span class="bg"><i class="fa fa-cog"></i></span>
        </div>
        <div class="clearfix"></div>
        <div class="read_more">
            <a href="single-page.html" class="fa-btn btn-1 btn-1e">read more</a>
        </div>
    </div>
    <div class="technology_list1">
        <h4>4. Unnat Bharat Abhiyan</h4>
        <div class="col-md-10 tech_para">
            <p class="para">
```

The MHRD, Government of India (GOI) has launched the Unnat Bharat Abhiyan(UBA) for upliftment of the rural population through its Village Adoption Scheme. The programme aims to connect the professional organizations and higher education institutions with the villages through their programmes for creation of ‘sustainable village clusters’ as envisioned in the idea of Mahatma Gandhi’s Gram Swaraj. In tune with the mission of selecting suitable rural clusters for holistic development through technology and resource inputs, we has effectively taken up the task and opportunity for rural upliftment by adopting villages across the country through its network of Regional Centres. The Regional Centres undertake activities on the following themes: Organic farming, Waste management, Renewable energy, Artisans, industries and livelihood and basic amenities, which create awareness and provide access to avenues of higher learning and skill enhancement through we. The Regional Services Division of the University coordinates with the National Coordinating Institute, IIT Delhi, and oversees the activities done at the Regional Centres under the programme.</p>

```
        </div>
        <div class="col-md-2 images_1_of_4 bg1">
            <span class="bg"><i class="fa fa-files-o"></i> </span>
        </div>
        <div class="clearfix"></div>
        <div class="read_more">
            <a href="single-page.html" class="fa-btn btn-1 btn-1e">read more</a>
        </div>
    </div>
    <ul class="pagination">
        <li><a href="#">&laquo;</a></li>
        <li><a href="#">1</a></li>
        <li><a href="#">2</a></li>
```

```

<li><a href="#">3</a></li>
<li><a href="#">4</a></li>
<li><a href="#">5</a></li>
<li><a href="#">&raquo;</a></li>
</ul>
<div class="alert alert-warning alert-dismissible">
    <button type="button" class="close" data-dismiss="alert" aria-
hidden="true">&times;</button>
    <strong>Warning!</strong> Better check yourself, you're not looking too g
ood.
</div>
</div>
</div>
</div><!-- end main -->
<div class="footer_bg"><!-- start footer -->
    <div class="container">
        <div class="row footer">
            <div class="copy text-center">
                <p class="link"><span>&#169;</span> All rights reserved | Design by&nbsp;<a href="#> Neha Chauhan</a></span></p>
            </div>
        </div>
    </div>
</div>
</body>
</html>

```

18.Style.css

```

@font-face {
    font-family: 'texgyreadventorregular';
    src: url('../fonts/texgyreadventor-regular-webfont.ttf') format('truetype');
    font-weight: normal;
    font-style: normal;
}
@font-face {
    font-family: 'open_sansregular';
    src:url('../fonts/OpenSans-Regular-webfont.ttf') format('truetype');
}
body {
    background-image: url('../images/bg.png');
    font-family: 'open_sansregular';
    font-size: 100%;
}
/* start header */
.header_bg{
    border-top:8px groove #3b3b3b;
}
.header_bg1 {
    border-top:8px groove #3b3b3b;
}

```

```
background: url('../images/slider_bg.jpg') no-repeat left;
background-size: 100%;

}

.header{
    padding: 2% 0;
}

.logo h1 a{
    font-size: 1em;
    text-transform: uppercase;
    color: #3B3B3B;
    text-decoration: none;
    font-family: 'texgyreadventorregular';
}

/* search */
.h_search{
    width: 30%;
    position: relative;
    margin-top: 2%;
}

.h_search form{
    width: 100%;
}

.h_search form input[type="text"]{
    font-family: 'open_sansregular';
    padding: 10px 16px;
    outline: none;
    color: #c6c6c6;
    font-size: 13px;
    border: 1px solid rgb(236, 236, 236);

    width: 73.333%;
    line-height: 22px;
    position: relative;
    -webkit-appearance: none;
}

.h_search form input[type="submit"]{
    font-family: 'open_sansregular';
    background: #3B3B3B;
    color: #ffffff;
    text-transform: uppercase;
    font-size: 13px;
    padding: 12px 20px;
    border: none;
    cursor: pointer;
    width: 26.333%;
    position: absolute;
    line-height: 1.5em;
    outline: none;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
```

```

        transition: all 0.3s ease-in-out;
        -webkit-appearance: none;
    }
.h_search form input[type="submit"]:hover {
    background: #FF5454;
}
/* menu */
.h_menu{
    padding: 0;
    background: #3B3B3B;
}
.navbar {
    position: relative;
    min-height: 60px;
    margin-bottom: 0px;
    border: none;
}
.navbar-default .navbar-collapse, .navbar-default .navbar-form {
    background: #3B3B3B;
    color: #ffffff;
    padding: 0;
}
.navbar-default .navbar-nav > .active > a,.navbar-default .navbar-
nav>li>a:hover,.navbar-default .navbar-nav > .active > a, .navbar-default .navbar-
nav > .active > a:hover{
    background: #FF5454;
    color: #ffffff;
}
.navbar-default .navbar-nav > li > a {
    color: #fff;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
}
.nav > li {
    border-right: 1px solid rgb(39, 37, 37);
}
.nav > li > a {
    font-size: 13px;
    padding: 20px 30px;
    text-transform: uppercase;
}
/* start soc_icons */
.soc_icons {

}
.soc_icons ul{
    margin-bottom: 0;
}
.soc_icons ul li{

```

```
display:inline-block;
border-left: 1px solid rgb(39, 37, 37);
margin-left: -3px;
}
.soc_icons ul li a{
    color:#ffffff;
    font-size: 24px;
    display: block;
    line-height: 60px;
    width: 60px;
    height: 60px;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
}
.soc_icons ul li a:hover{
    background: #FF5454;
}
/* start slider */
.slider_bg{
    background: url('../images/slider_bg.jpg') no-repeat;
    background-size: 100%;
}
.slider{
    padding: 4%;
}
/* start main */

.main{
    padding: 5% 0;
}
.images_1_of_4 img{
    display: inline-block;
}
.images_1_of_4 h4 {
    margin: 30px 0 15px;
}
.images_1_of_4 h4 a{
    display:inline-block;
    color: #353535;
    font-size: 1.5em;
    font-family: 'texgyreadventorregular';
    text-transform: uppercase;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
}
.images_1_of_4 h4 a:hover{
    text-decoration:none;
```

```
    color: #ff5454;
}
.images_1_of_4 span{
    width: 120px;
    height: 120px;
    display: block;
    text-align: center;
    margin: 0 auto;
}
.bg{
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
    border-radius: 75px;
    -webkit-border-radius: 75px;
    -moz-border-radius: 75px;
    -o-border-radius: 75px;
}
.images_1_of_4 span i{
    font-size: 6em;
    color:#333;
    line-height: 2em;
    text-shadow: 1px 1px 0px #3b3b3b;
    -webkit-text-shadow: 1px 1px 0px #3b3b3b;
    -moz-text-shadow: 1px 1px 0px #3b3b3b;
    -o-text-shadow: 1px 1px 0px #3b3b3b;
    -ms-text-shadow: 1px 1px 0px #3b3b3b;
}
.para{
    font-size: 14px;
    line-height: 1.8em;
    color: #868686;
}
.images_1_of_4 a{
    position: relative;
    z-index: 1;
}
/* Button 1 */
.fa-btn {
    font-size: 14px;
    cursor: pointer;
    padding: 12px 40px;
    display: inline-block;
    margin: 10px 0px;
    text-transform: uppercase;
    outline: none;
    position: relative;
    -webkit-transition: all 0.3s;
    -moz-transition: all 0.3s;
```

```
    transition: all 0.3s;
    border-radius: 4px;
    -webkit-border-radius: 4px;
    -moz-border-radius: 4px;
    -o-border-radius: 4px;
}
.fa-btn:after {
    content: '';
    position: absolute;
    z-index: -1;
    -webkit-transition: all 0.3s;
    -moz-transition: all 0.3s;
    transition: all 0.3s;
}
.btn-1 {
    border: 2px solid #ff5454;
    color: #3b3b3b;
}
/* Button 1e */
.btn-1e {
    overflow: hidden;
}
.btn-1e:after {
    width: 100%;
    height: 0;
    top: 50%;
    left: 50%;
    background: #ff5454;
    opacity: 0;
    -webkit-transform: translateX(-50%) translateY(-50%) rotate(45deg);
    -moz-transform: translateX(-50%) translateY(-50%) rotate(45deg);
    -ms-transform: translateX(-50%) translateY(-50%) rotate(45deg);
    transform: translateX(-50%) translateY(-50%) rotate(45deg);
}
.btn-1e:hover, .btn-1e:active {
    color: #ffffff;
    text-decoration:none;
}
.btn-1e:hover:after {
    height: 260%;
    opacity: 1;
}
.btn-1e:active:after {
    height: 400%;
    opacity: 1;
}
/* start main_btm */
.main_btm{
    border-top: 1px solid rgb(233, 233, 233);
}
```

```
.content_right h4{
    color: #353535;
    font-size: 2.5em;
    font-family: 'texgyreadventorregular';
    line-height: 1.5em;
}
.content_right h4 span{
    color: #ff5454;
}
.content_right a{
    position: relative;
    z-index: 1;
}
/* start footer */
.footer_bg{
    background: #f6f6f6;
}
.footer{
    padding: 4%;
}
.copy p{
    color: #3b3b3b;
    font-size: 14px;
    line-height: 1.8em;
}
.copy p a{
    color:#ff5454;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
}
.copy p a:hover{
    color: #3b3b3b;
    text-decoration: none;
}
/* start about */
.about{
    padding: 4% 0;
}
.about h2{
    margin: 0 0 20px;
    text-transform: capitalize;
    font-size: 3em;
    color:#3b3b3b;
    font-family: 'texgyreadventorregular';
}
.about a{
    position: relative;
    z-index: 1;
}
```

```

/* start technology */
.technology{
    padding: 4% 0;
}
.technology h2{
    margin: 0 0 20px;
    text-transform: capitalize;
    font-size: 3em;
    color: #3b3b3b;
    font-family: 'texgyreadventorregular';
}
.technology h4{
    font-size: 22px;
    color: #5b5b5b;
    font-weight: 100;
    text-transform: capitalize;
    display: block;
    margin: 10px 0 8px;
}
.tech_para{
    padding-left: 0;
    padding-right: 0;
}
.technology_list1{
    margin-top: 20px;
}
.pagination > li > a, .pagination > li > span {
    font-size: 16px;
    padding: 10px 16px;
    color: #BDBDBD;
    background-color: #3b3b3b;
    border: 1px solid #2C2929;
}
.pagination > li > a:hover, .pagination > li > span:hover, .pagination > li > a:focus,
.pagination > li > span:focus {
    color: #FFFFFF;
    background-color: #ff5454;
    border-color: #DA4A4A;
}
.alert {
    font-size: 13px;
}
.alert-warning {
    color: #3b3b3b;
    background-color: #F3F3F3;
    border-color: #E2E2E2;
}
/* start blog */
.blog_left{
    display: block;
}

```

```
.blog_img{
    margin: 4% 0 2%;
}
.blog_left img{
    width:100%;
}
.blog_left h4 a{
    margin:0 0 20px;

    display: block;
    text-transform: capitalize;
    font-size: 1.5em;
    color: #3b3b3b;
    font-family: 'texgyreadventorregular';
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
}
.blog_left h4 a:hover{
    text-decoration: none;
    color: #ff5454;
}
.blog_list{
}
.blog_list ul li{
    display:inline-block;
    margin-left: 10px;
}
.blog_list ul li:first-child{
    margin-left: 0;
}
.blog_list li a{
    display: block;
    padding: 4px 8px;
    color: #b6b6b6;
    text-transform: capitalize;
}
.blog_list ul li i{
    font-size: 15px;
    color: #b6b6b6;
}
.blog_list li span{
    padding-left:10px;
    font-size: 14px;
    color: #b6b6b6;
}
.blog_list li span:hover,.blog_list li a:hover{
    color: #ff5454;
    text-decoration: none;
```

```
}

.read_more a{
    position: relative;
    z-index: 1;
}

.blog_right h4{
    text-transform: capitalize;
    font-size: 2em;
    color: #3b3b3b;
    font-family: 'texgyreadventorregular';
    margin-bottom: 15px;
}

/* start Social Likes */
.social_network_likes {
    text-align: center;
}

.social_network_likes li{
    width: 24.33333%;
    display: inline-block;
    margin-left: -4px;
}

.social_network_likes li:first-child{
    margin-left: 0;
}

.social_network_likes li a{
    display:block;
    color:#FFF;
    font-size: 1.5em;
    text-transform:capitalize;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
}

.social_network_likes li a p{
    padding:10px 0 5px;
    font-size: 14px;
}

.social_network_likes li a span{
    display:block;
    font-size: 24px;
}

.social_network_likes li a div.followers{
    border-bottom:1px solid #FFFFFF;
}

.social_network_likes li a:hover{
    text-decoration: none;
}

.social_network_likes li:first-child a {
    border-left:none;
```

```
}

.social_network_likes li a.tweets{
    background:#34CCFF;
}
.social_network_likes li a.tweets:hover{
    background:#2DC0F1;
}
.social_network_likes li a.facebook-followers{
    background:#3B5A99;
}
.social_network_likes li a.facebook-followers:hover{
    background:#33518D;
}
.social_network_likes li a.email{
    background:#27c1b9;
}
.social_network_likes li a.email:hover{
    background:#0BB1A8;
}
.social_network_likes li a.dribbble{
    background:#EB4D89;
}
.social_network_likes li a.dribbble:hover{
    background:#E04580;
}
.social_network_likes li a div.social_network{
    padding:15px 0 10px;
}
.social_network i{
    width:45px;
    height:45px;
    display:block;
    background:url(..../images/social-icons.png) no-repeat;
    margin:0 auto;
}
.social_network i.twitter-icon{
    background-position: 0px 0px;
}
.social_network i.facebook-icon{
    background-position: -47px 0px;
}
.social_network i.email-icon{
    background-position: -104px 0px;
}
.social_network i.dribbble-icon{
    background-position: -156px 0px;
}
/* start ads_nav */
.ads_nav{
    margin-top: 30px;
}
```

```
.ads_nav li{
    float: left;
    width: 46.333333%;
    margin: 0 0 15px 15px;
}
.ads_nav li:nth-child(2), .ads_nav li:nth-child(4){
    margin-left: 0;
}
.ads_nav li a{
    display: block;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
}
.ads_nav li a img{
    width: 100%;
}
.ads_nav li a:hover{
    zoom: 1;
    filter: alpha(opacity=50);
    opacity: 0.7;
    -webkit-transition: opacity .15s ease-in-out;
    -moz-transition: opacity .15s ease-in-out;
    -ms-transition: opacity .15s ease-in-out;
    -o-transition: opacity .15s ease-in-out;
    transition: opacity .15s ease-in-out;
}
/* start tag_nav */
.tag_nav {
    margin: 8% 0;
}
.tag_nav li{
    margin: 10px 5px 0 0;
    display: inline-block;
}
.tag_nav li a{
    display: block;
    text-transform: capitalize;
    background: #3b3b3b;
    color: #ffffff;
    font-size: 13px;
    padding: 8px 14px;
    border-radius: 2px;
    -webkit-border-radius: 2px;
    -moz-border-radius: 2px;
    -o-border-radius: 2px;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
```

```
}

.tag_nav li.active a,.tag_nav li a:hover{
    background: #ff5454;
    color: #ffffff;
    text-decoration:none;
}

/* start news_letter */

.news_letter{
    margin: 8% 0;
}

.news_letter form input[type="text"]{
    font-family: 'open_sansregular';
    font-weight:100;
    padding: 10px;
    display: block;
    width: 100%;
    background: #ffffff;
    outline: none;
    color: #555555;
    font-size: 13px;
    border: 1px solid #DADADA;
    -webkit-appearance: none;
}

.news_letter form span{
    position: relative;
    z-index: 1;
}

.news_letter form input[type="submit"]{
    -webkit-appearance: none;
    cursor:pointer;
    border:none;
    outline:none;
    background: none;
}

/* start contact */

.company_ad h2{
    margin: 0 0 20px;
    text-transform: capitalize;
    font-size: 3em;
    color:#3b3b3b;
    font-family: 'texgyreadventorregular';
}

.company_ad p{
    font-size: 14px;
    color: #3b3b3b;
}

.company_ad p a {
    color: #ff5454;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
```

```
    transition: all 0.3s ease-in-out;
}
.company_ad p a:hover{
    text-decoration:none;
    color: #3b3b3b;
}
.contact-form h2{
    margin: 0 0 20px;
    text-transform: capitalize;
    font-size: 3em;
    color:#3b3b3b;
    font-family: 'texgyreadventorregular';
}
.contact-form span{
    display:block;
    text-transform: capitalize;
    font-size: 14px;
    color: #5b5b5b;
    font-weight: normal;
    margin-bottom: 10px;
}
.contact-form textarea {
    font-family: 'Open Sans', 'sans-serif';
    padding: 10px;
    display: block;
    width: 99.3333%;
    background: #ffffff;
    outline: none;
    color: #c0c0c0;
    font-size: 0.8725em;
    border: 1px solid #ECECEC;
    -webkit-appearance: none;
    resize: none;
    height: 120px;
    border-radius: 4px;
    -webkit-border-radius: 4px;
    -moz-border-radius: 4px;
    -o-border-radius: 4px;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
}
.contact-form textarea:focus{
    border:1px solid #ff5454;
}
.form-control{
    box-shadow: none;
    border: 1px solid #ECECEC;
    -webkit-transition: all 0.3s ease-in-out;
    -moz-transition: all 0.3s ease-in-out;
```

```

    -o-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
}
.form-control:focus {
    box-shadow: none;
}
.contact-form input[type="submit"] {
    font-family: 'open_sansregular';
    -webkit-appearance: none;
    cursor: pointer;
    border: none;
    outline: none;
    background: none;
    text-transform: uppercase;
    font-weight: 100;
}
.contact-form label{
    position: relative;
    z-index: 1;
}
.form-control:focus {
    border-color: #ff5454;
}
/* start details */
.details img{
    margin-bottom: 20px;
}
***** Media Queries *****/
@media only screen and (max-width: 1440px) and (min-width: 240px) {
    .wrap{
        width:95%;
    }
}
@media only screen and (max-width: 1440px) {
}
@media only screen and (max-width: 1366px) {
}
@media only screen and (max-width: 1280px) {
}
@media only screen and (max-width: 1024px) {
    .images_1_of_4 h4 a {
        font-size: 1.2em;
    }
    .para {
        font-size: 13px;
    }
    .content_right h4 {
        font-size: 2em;
    }
}
@media only screen and (max-width: 768px) {

```

```
.logo{
    text-align:center;
}
.h_search {
    width: 98%;
    padding: 20px;
}
.h_menu {
    position: relative;
}
.soc_icons {
    position: absolute;
    top: 0px;
    background: #3b3b3b;
}
.navbar-default .navbar-toggle {
    border-color: #FFF;
}
.navbar {
    min-height: 51px;
}
.navbar-default .navbar-collapse, .navbar-default .navbar-form {
    border-color: #3b3b3b;
}
.navbar-default {
    background-color: #3b3b3b;
    border:none;
}
.navbar-nav {
    margin: 0px 0px;
}
.nav > li > a {
    padding: 20px 15px;
}
.soc_icons ul li a {
    font-size: 20px;
    line-height: 50px;
    width: 51px;
    height: 51px;
}
.slider_bg {
    background-size: 100% 100%;
}
.main {
    padding: 4% 0;
}
.images_1_of_4{
    margin-bottom: 4%;
}
.main{
    padding: 2%;
```

```
}

.technology {
    padding: 4%;
}
.about {
    padding: 4%;
}
.social_network_likes li {
    width: 24.3333%;
}
.tag_nav {
    margin: 4% 0;
}
.news_letter {
    margin: 4% 0;
}
.technology h4 {
    font-size: 20px;
}
}

@media only screen and (max-width: 640px){
    .company_ad{
        margin-left: 0;
    }
    .blog_left h4 a {
        font-size: 1.2em;
    }
    .technology h4 {
        font-size: 17px;
    }
}

@media only screen and (max-width: 480px) {
    .images_1_of_4 h4 {
        margin: 20px 0 10px;
    }
    .technology h2 {
        font-size: 2em;
    }
    .about h2 {
        font-size: 2em;
    }
    .company_ad h2 {
        font-size: 2em;
    }
    .contact-form h2 {
        font-size: 2.5em;
    }
    .blog_left h4 a {
        font-size: 1em;
    }
    .blog_list ul li {
```

```

        margin-left: 5px;
    }
    .blog_list li a {
        padding: 4px 4px;
    }
    .detail h2{
        font-size: 2em;
    }
}

@media only screen and (max-width: 320px) {
    .main {
        padding: 8% 2%;
    }
    .soc_icons ul li a {
        font-size: 20px;
        width: 46px;
    }
    .images_1_of_4 h4 {
        margin: 15px 0 10px;
    }
    .social_network_likes li a p {
        font-size: 12px;
    }
    .images_1_of_4 span {
        width: 88px;
        height: 88px;
    }
    .images_1_of_4 span i {
        font-size: 5em;
        line-height: 1.8em;
    }
    .images_1_of_4 h4 a {
        font-size: 1em;
    }
    .technology h4 {
        font-size: 14px;
        line-height: 1.5em;
    }
    .blog_list ul li:nth-child(3){
        margin-left: 0;
    }
}

```

6. Testing

Software Testing is the process of executing software in a controlled manner, in order to answer the question - Does the software behave as specified?. Software testing is often used in association with the terms verification and validation. Validation is the checking or testing of items, includes software, for conformance and consistency with an associated specification. Software testing is just one kind of verification, which also uses techniques such as reviews, analysis, inspections, and walkthroughs. Validation is the process of checking that what has been specified is what the user actually wanted.

Validation : Are we doing the right job?

Verification : Are we doing the job right?

Software testing should not be confused with debugging. Debugging is the process of analyzing and localizing bugs when software does not behave as expected. Although the identification of some bugs will be obvious from playing with the software, a methodical approach to software testing is a much more thorough means for identifying bugs.

Debugging is therefore an activity which supports testing, but cannot replace testing.

Other activities which are often associated with software testing are static analysis and dynamic analysis. Static analysis investigates the source code of software, looking for problems and gathering metrics without actually executing the code. Dynamic analysis looks at the behavior of software while it is executing, to provide information such as execution traces, timing profiles, and test coverage information.

Testing is a set of activity that can be planned in advanced and conducted Systematically. Testing begins at the module level and work towards the integration of entire computers based System . Nothing is complete without testing, as it vital success of the System testing objectives, there are several rules that can serve as testing objectives.

They are

- Testing is a process of executing a program with the intend of finding an error.
- A good test case is one that has high possibility of finding an undiscovered error.
- A successful test is one that uncovers an undiscovered error.

If a testing is conducted successfully according to the objectives as stated above, it would uncovered errors in the software also testing demonstrate that the software function appear to be working according to the specification, that performance requirement appear to have been met.

There are three ways to test program.

- For correctness
- For implementation efficiency
- For computational complexity

Test for correctness are supposed to verify that a program does exactly what it was designed to do. This is much more difficult than it may at first appear, especially for large programs.

1. TEST PLAN:

A test plan implies a series of desired course of action to be followed in accomplishing various testing methods. The Test Plan acts as a blue print for the action that is to be

followed. The software engineers create a computer program, its documentation and related data structures. The software developers is always responsible for testing the individual units of the programs, ensuring that each performs the function for which it was designed. There is an independent test group (ITG) which is to remove the inherent problems associated with letting the builder to test the thing that has been built. The specific objectives of testing should be stated in measurable terms. So that the mean time to failure, the cost to find and fix the defects, remaining defect density or frequency of occurrence and test work-hours per regression test all should be stated within the test plan.

The levels of testing include:

- Unit Testing
- Integration Testing
- System Testing
- Data Validation Testing
- Output Testing

1.1. UNIT TESTING:

Unit testing focuses verification effort on the smallest unit of software design – the software component or module. Using the component level design description as a guide, important control paths are tested to uncover errors within the boundary of the module. The relative complexity of tests and uncovered scope established for unit testing. The unit testing is white-box oriented, and step can be conducted in parallel for multiple components. The modular interface is tested to ensure that information properly flows into and out of the program unit under test. The local data structure is examined to ensure that data stored temporarily maintains its integrity during all steps in an algorithm's execution. Boundary conditions are tested to ensure that all statements in a module have been executed at least once. Finally, all error handling paths are tested.

Tests of data flow across a module interface are required before any other test is initiated. If data do not enter and exit properly, all other tests are moot. Selective testing of execution paths is an essential task during the unit test. Good design dictates that error conditions be anticipated and error handling paths set up to reroute or cleanly terminate processing when an error does occur. Boundary testing is the last task of unit testing step. Software often fails at its boundaries.

Unit testing was done in Sell-Soft System by treating each module as separate entity and testing each one of them with a wide spectrum of test inputs. Some flaws in the internal logic of the modules were found and were rectified. Unit testing, also known as component testing , refers to tests that verify the functionality of a specific section of code, usually at the function level. In an object-oriented environment, this is usually at the class level, and the minimal unit tests include the constructors and destructors.

These types of tests are usually written by developers as they work on code (white-box style), to ensure that the specific function is working as expected. One function might have multiple tests, to catch corner cases or other branches in the code. Unit testing alone cannot verify the functionality of a piece of software, but rather is used to assure that the building blocks the software uses work independently of each other.

Unit testing is a software development process that involves synchronized application of a broad spectrum of defect prevention and detection strategies in order to reduce software development risks, time, and costs. It is performed by the software developer or engineer during the construction phase of the software development lifecycle. Rather than replace traditional QA focuses, it augments it. Unit testing aims to eliminate construction errors before code is promoted to QA; this strategy is intended to increase the quality of the resulting software as well as the efficiency of the overall development and QA process. Depending on the organization's expectations for software development, unit testing might include static code analysis, data flow analysis metrics analysis, peer code reviews, code coverage analysis and other software verification practices.

1.2. INTEGRATION TESTING:

Integration testing is Systematic technique for constructing the program structure while at the same time conducting tests to uncover errors associated with interfacing. The objective is to take unit tested components and build a program structure that has been dictated by design. The entire program is tested as whole. Correction is difficult because isolation of causes is complicated by vast expanse of entire program. Once these errors are corrected, new ones appear and the process continues in a seemingly endless loop. After unit testing in Sell-Soft System all the modules were integrated to test for any inconsistencies in the interfaces. Moreover differences in program structures were removed and a unique program structure was evolved.

1.3. SYSTEM TESTING:

System Testing (ST) is a black box testing technique performed to evaluate the complete system the system's compliance against specified requirements. In System testing, the functionalities of the system are tested from an end-to-end perspective.

System Testing is usually carried out by a team that is independent of the development team in order to measure the quality of the system unbiased. It includes both functional and Non-Functional testing.

1.4. DATA VALIDATION TESTING:

This is the final step in testing. In this the entire System was tested as a whole with all forms, code, modules and class modules. This form of testing is popularly known as Black Box testing.

Black Box testing method focuses on the functional requirements of the software. That is, Black Box testing enables the software engineer to derive sets of input conditions that will fully exercise all functional requirements for a program.

Black Box testing attempts to find errors in the following categories; incorrect or missing functions, interface errors, errors in data structures or external data access, performance errors and initialization errors and termination errors.

1.5. OUTPUT TESTING:

The System considered is tested for user acceptance; here it should satisfy the firm's need. The software should keep in touch with perspective System ; user at the time of developing and making changes whenever required.

This done with respect to the following points:

- Input Screen Designs,
- Output Screen Designs, Online message to guide the user and the like. The above testing is done taking various kinds of test data. Preparation of test data plays a vital role in the System testing. After preparing the test data, the System under study is tested using that test data. While testing the System by which test data errors are again uncovered and corrected by using above testing steps and corrections are also noted for future use.

2. IMPLEMENTATION PROCEDURES:

Implementation of software refers to the final installation of the package in its real environment, to the satisfaction of the intended uses and the operation of the System . In many organizations someone who will not be operating it, will commission the software development project. In the initial stage people doubt about the software but we have to ensure that the resistance does not build up, as one has to make sure that

- The active user must be aware of the benefits of using the new System.
- Their confidence in the software is built up.
- Proper guidance is imparted to the user so that he is comfortable in using the application.

Before going ahead and viewing the System, the user must know that for viewing the result, the server program should be running in the server. If the server object is not up running on the server, the actual process won't take place.

2.1. USER TRAINING:

User training is designed to prepare the user for testing and converting the System . To achieve the objective and benefits expected from computer based System , it is essential for the people who will be involved to be confident of their role in the new System . As System becomes more complex, the need for training is more important. By user training the user comes to know how to enter data, respond to error messages, interrogate the database and call up routine that will produce reports and perform other necessary functions.

2.2. TRAINING ON THE APPLICATION SOFTWARE:

After providing the necessary basic training on computer awareness the user will have to be trained on the new application software. This will give the underlying philosophy of the use of the new System such as the screen flow, screen design type of help on the screen, type of errors while entering the data, the corresponding validation check at each

entry and the ways to correct the date entered. It should then cover information needed by the specific user/ group to use the System or part of the System while imparting the training of the program on the application. This training may be different across different user groups and across different levels of hierarchy.

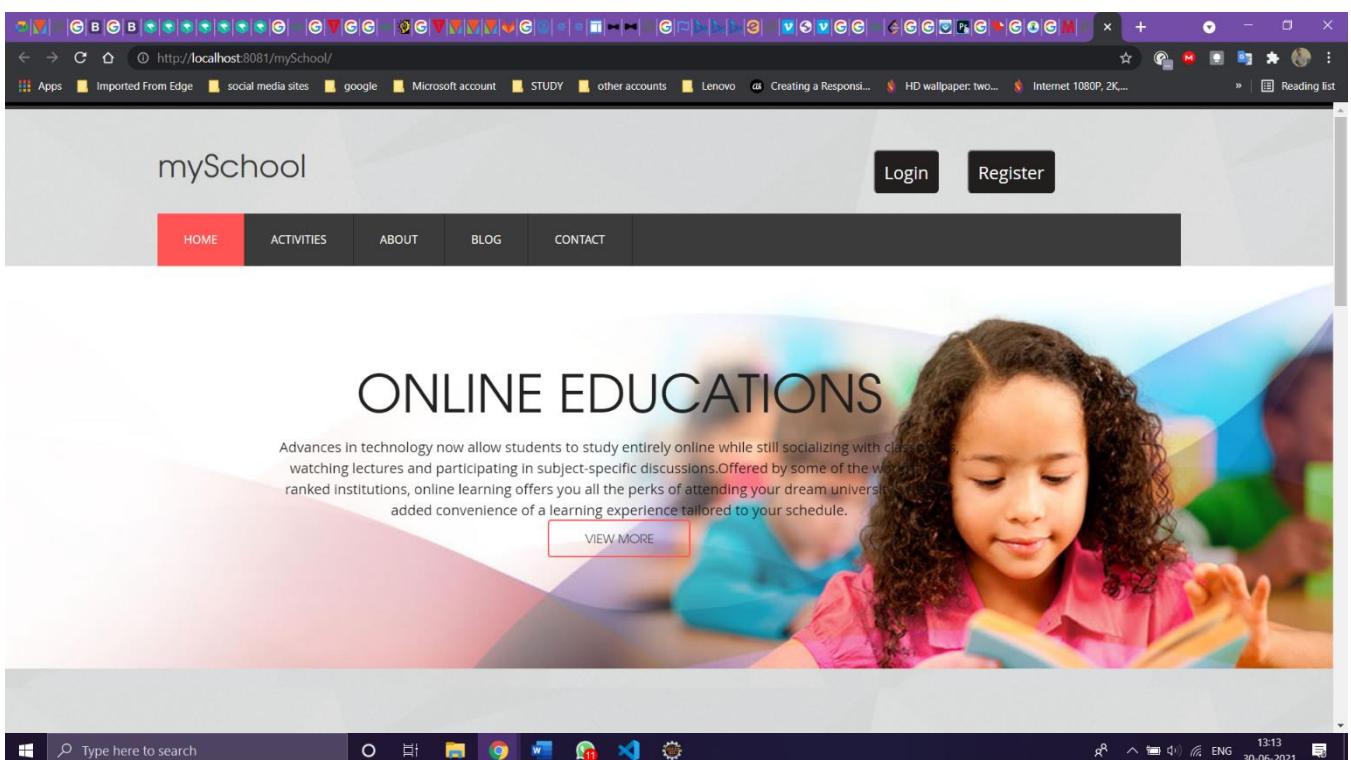
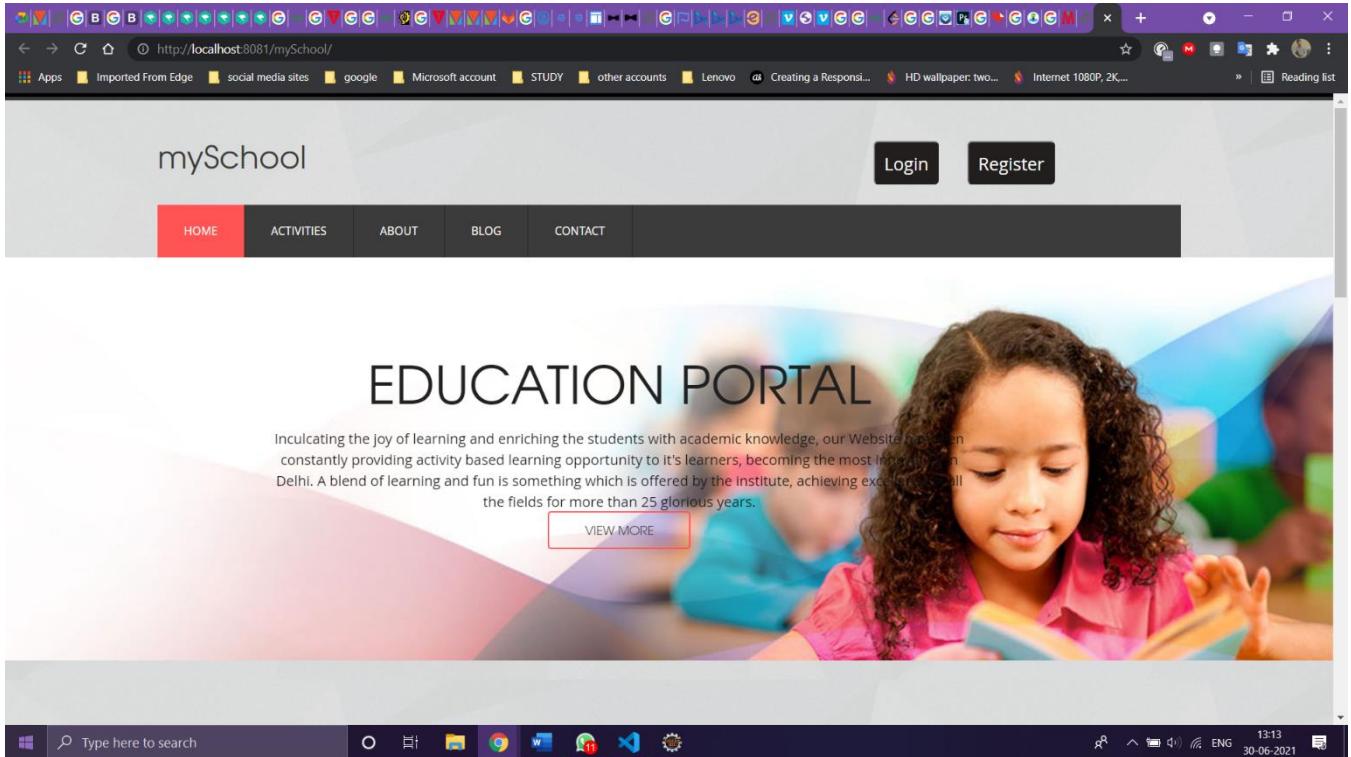
2.3. OPERATIONAL DOCUMENT:

Once the implementation plan is decided, it is essential that the user of the System is made familiar and comfortable with the environment. Education involves right atmosphere and motivating the user. A documentation providing the whole operations of the System is being developed in such a way that the user can work with it in well consistent way. The System is developed user friendly so that the user can work the System from the tips given in the application itself. Useful tip and guidance is given inside the application itself to help the user. Users have to be made aware that what can be achieved with the new System and how it increases the performance of the System . The user of the System should be given a general idea of the System before he uses the System .

2.4. SYSTEM MAINTENANCE:

Maintenance is the enigma of System development. The maintenance phase of the software cycle is the time in which a software product performs useful work. After a System is successfully implemented, it should be maintained in a proper manner System maintenance is an important aspect in the software development life cycle. The need for System maintenance is for it to make adaptable to the changes in the System environment. Software maintenance is of course, far more than "Finding Mistakes". Maintenance may be defined by describing four activities that are undertaken after a program is released for use.

7.I/O SCREEN



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HOME ACTIVITIES ABOUT BLOG CONTACT

OUR STAFF

Tremendous methodologies of Teaching Learning programmes to provide children with ample opportunities Fun Learning Process to provide the students with wingswe try several ways of making little joy to all of our students. Each child is as unique as his/her unique thumbprint. The real objective of any education system is to understand the strengths and turn the weaknesses into assets in an educational.

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STUDY MATERIALS

our eStudy Materials help the teacher , parents ,student and others to get updated with regular news about the students of today, who belong to a generation which excels in the usage of gadgets and technology. This is not an easy job, however, owing to COVID-19 pandemic when the onus of teaching such learning materials through online platform fell upon a generation not very conversant with gizmos, i

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STUDENTS

there are a lot of students got registered with us and We believe sanctity of all religions

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GRADUATES

There are a lot of batches which gets excellent skills and gets certified by our institution.

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VIRTUAL CLASSROOM

Our classes held online with the most experienced faculties.

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PLACEMENTS

we provides the Placements to the top students in may reputed companies and institutes.

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A parent's first concern is their child's education in the best possible way.

How to enroll your child to a class ?

We are determined to be among the top 10 Schools Website In Delhi, and our gems of Class X help us achieve that goal of being the Top Ranker by scoring 90+ Marks every Year. Our Class XII Board Result for session 2015-2018 is Above 90%. The IIT result for the session 2017-18:

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- Alumni Testimonials -

- Alumni Testimonials -



AMAN TIWARI

I spent 5 years at Brandon Hall. I absolutely enjoyed every experience while in school. My teachers made the learning experience valuable and my coaches made sports memorable and fun.



JAY KUMAR

The school is on a nature reserve which makes the learning environment a peaceful and beautiful place to learn and study.



SANJOY MATHUR

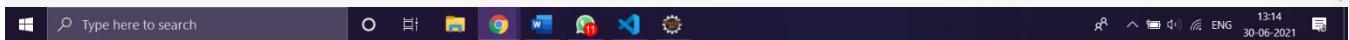
Each and every teacher I had not only taught me in a small class setting in ways I understood, but they also all taught us morals and how to be upstanding citizens.



ATUL KUSHWAHA

As an alumni of the school, I can well assure prospective families that their child will be in the best hands with the teachers and staff.

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- Alumni Testimonials -



SANJOY MATHUR

Each and every teacher I had not only taught me in a small class setting in ways I understood, but they also all taught us morals and how to be upstanding citizens.



ATUL KUSHWAHA

As an alumni of the school, I can well assure prospective families that their child will be in the best hands with the teachers and staff.



CHANDRAJEET SINGH

I was a student at mySchool from 2012-2014. I formed so many amazing relationships with the faculty, staff and my fellow classmates.



MEETA

I enrolled at mySchool in 2013 and was a student there for 4 1/2 years. The reasons I am grateful for attending mySchool are endless and helped shape who I am today.

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mySchool

HOME ACTIVITIES ABOUT BLOG CONTACT

Our Activities

1. One Student One Tree Campaign

we Issues the directions to all Students to plant trees and staff members under One Student One Tree Movement. The Study Centre has enthusiastically started the movement by calling the students. Almost all Study Centres has submitted their reports for plantation of trees along with action pictures. Regional Centre also participated in this drive on 23rd August 2019.

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2. Educational Development In Collaboration With Central/State Governments

we has made sustained efforts for reaching out to the marginalized segments through its target area approach by taking special initiatives in the underdeveloped, difficult, and remote and minority dominated states such as, Himachal Pradesh, Uttarakhand, Jammu and Kashmir, Rajasthan, etc. The following initiatives were undertaken in collaboration with respective state Governments: • Training of Untrained Teachers in Jammu & Kashmir through our initiative we and Sarva Shiksha Abhiyan (SSA), Govt. of J&K entered into a MoU for training of around 20,000 untrained teachers of J&K State offering them B.Ed. programme under the Regional Centre Jammu. our B.Ed. The Govt. Of Jammu and Kashmir has entrusted the job of training all the untrained teachers of the entire State by enrolling them in the B.Ed. programme as per the laid down procedures and eligibility criteria. As on 21st July 2019 the status under the Project is 231 number of teachers enrolled by the DC, Jammu and Districts is 10000.21 Number of ETCs engaged by

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3. Swachha Bharat Abhiyan

The Government of India launched the Swachha Bharat Abhiyan as a national movement on October 2nd, 2014. Through its network of 56 Regional Centres and nearly 2000 Learner Support Centres spread across all states of country, we has undertaken various activities under the Swachha Bharat Abhiyan since its inception. A number of activities were also organized at we main campus located in New Delhi. The RCs performed various activities as a part of mission ranging from sensitization of the RC staff and villagers through awareness meetings at RCs and LSCs, Swachha Rallies, Swachha Pledge, Cleaning of the office and surroundings, Plantation activity, cleanliness drives, Poster making and Slogan writing competitions on Swachha and other such activities.

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4. Unnat Bharat Abhiyan

The MHRD, Government of India (GOI) has launched the Unnat Bharat Abhiyan(UBA) for upliftment of the rural population through its Village Adoption Scheme. The programme aims to connect the professional organizations and higher education institutions with the villages through their programmes for creation of "sustainable village clusters" as envisioned in the idea of Mahatma Gandhi's Gram Swaraj. In tune with the mission of selecting suitable rural clusters for holistic development through technology and resource inputs, we have effectively taken up the task and opportunity for rural upliftment by adopting villages across the country through its network of Regional Centres. The Regional Centres undertake activities on the following themes: Organic farming, Waste management, Renewable energy, Artisans, Industries and livelihood and basic amenities, which create awareness and provide access to avenues of higher learning and skill enhancement through we. The Regional Services Division of the University coordinates with the National Coordinating Institute, IIT Delhi, and oversees the activities done at the Regional Centres under the programme.

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4. Unnat Bharat Abhiyan

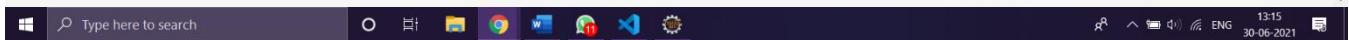
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[HOME](#) [ACTIVITIES](#) [ABOUT](#) [BLOG](#) [CONTACT](#)

About Us

my School has been established in 2010 with a noble sole motto of providing quality and value based education to all the sections of the society. It has been built on the pillars of Quality Education, Social Service, Positive Attitude, Commitment, Dedication and Promoting Indian Values. Under the visionary guidance of [Miss. Neha Chauhan](#), Chairman, my School, the school has grown from strength to strength in pursuit of excellence in the field of education in its short journey. She is a youth icon working selflessly to promote value based quality education for students. Over the years, he has been facilitating and promoting academics and skills in emerging areas of higher education.my School generous financial aid program ensures that talented students from all economic backgrounds can afford quality education. A vast range of educational, cultural, social and extra-curricular activities are available to students, faculty and staff. Campus live activities are built around the concepts of encouraging each member to express his or her talent and to respect all members of our pluralistic culture.

MILESTONES

my School started in April 2017. FREE EDUCATION to financially weaker students since 2017-till now. 200+ Students completed their Programming free of cost. Awarded with “EXCELLENCE IN SOCIAL EDUCATIONAL INITIATIVE” for the contribution in Upliftment of Financially weaker section of society in Education Sector by HINDUSTAN TIMES in 2018. my School has been one of the 5 Star Center of PMKVY, Govt of India in Skill Development Mission among 175 centers in India in 2017-18. 350+ Candidates participated. NISHULK SHIKSHA ABHYAAN in Skill Development Area has been cherished by the government as well as students since 2017 to till date. 5120+ Students empowered with skill sets till now. my School became the Training Center for Child Welfare Girls Training by Delhi Council, Govt of India in 2018-19. 107 Girls trained for various disciplines. Center for Basic Shiksha Parishad Training, Govt of India in 2016-17. 60 Government teachers trained free of cost.

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The screenshot shows a web browser window with a URL of <http://localhost:8081/mySchool/about.html>. The page features a large portrait of a smiling young woman with dark hair and glasses, wearing a blue and white striped shirt. To her right is a section titled "Founder Message" with the following text:

The aim of education is the knowledge not of fact, but of values. We aim at imparting education to young minds in a manner so as to keep them abreast with the changing times while not losing track of their traditional and cultural values. This in other words we entail equipping the young minds with the capacity and intellect to face challenges as well as developing in them values such as those which are to be found in a well rounded personality. We believe that the greatest gift we can give to our students are ROOTS & WINGS. Roots entrenched in tradition and wings of independence to help them to explore their self and beyond. We make all efforts to impart whole some value based quality education coupled with enough mental & physical space for real growth.

—Miss. Neha Chauhan
Founder
my School

A "READ MORE" button is located below the text.

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The screenshot shows a web browser window with a URL of <http://localhost:8081/mySchool/blog.html>. The page has a header with the text "mySchool" and "Login" and "Register" buttons. A navigation bar includes links for "HOME", "ACTIVITIES", "ABOUT", "BLOG" (which is highlighted in red), and "CONTACT".

The main content area features a section titled "MySchool At A Glance" with a large image of a group of students singing into microphones outdoors. To the right of the image are three social media statistics: "198k Followers", "175k Members", and "210k Followers". Below these are four small cartoon illustrations related to education and learning.

At the bottom of the page, there is a "Tags" section with several categories: Art, Awesome, Classic, Photo, Wordpress, Videos, Standard, and Gaming. The bottom of the screen also shows the Windows taskbar with the date and time as "13:17 30-06-2021".

<http://localhost:8081/mySchool/blog.html>

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June 21, 2019 Comments Admin 12k Views

One of the pioneers of Public School Education, established in the year 1996, Siddharth Iwakar mySchool stands apart in the galaxy of good public schools in NOIDA. It is affiliated to C.B.S.E upto +2 level and is under the direct control of DAV College Managing Committee, New Delhi. The motto of the school is to promote a well-balanced and holistic education based on "VEDIC CULTURE". SC DAV NOIDA has today, etched a name for itself not merely as an abode of learning but as an "Sanctum of wisdom", for we are a school that believes that education lies beyond the text book and the true learning comes from self enquiry and research, from discussion, from reading, and from encouraging the natural curiosity of young minds. We hone their talents, sculpt their inherent potentials, chisel their thinking prowess not through teaching but by facilitating. We lead them to the threshold of learning from where they grasp each lesson of life on their own and prove to be the true citizens of India.

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Mission

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<http://localhost:8081/mySchool/blog.html>

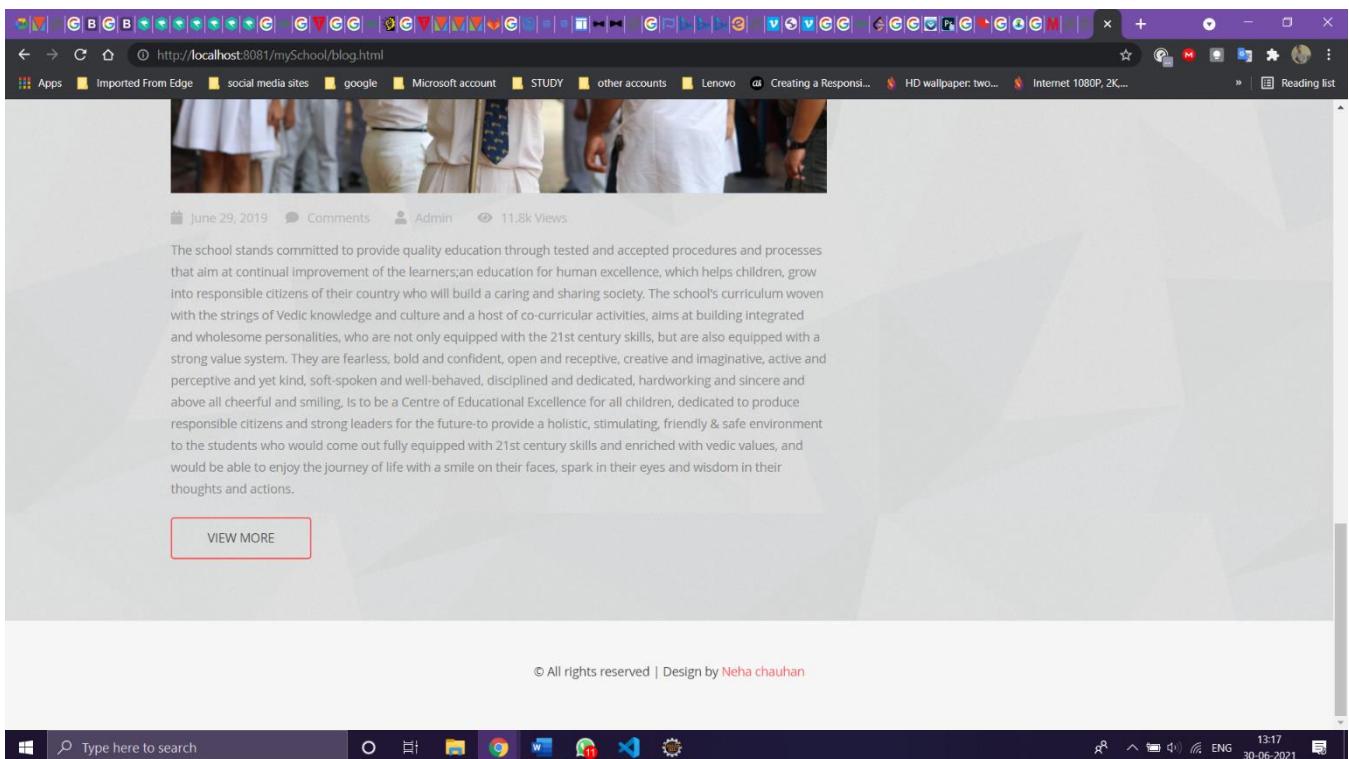
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Mission

June 29, 2019 Comments Admin 11.8k Views

The school stands committed to provide quality education through tested and accepted procedures and processes that aim at continual improvement of the learners; an education for human excellence, which helps children, grow into responsible citizens of their country who will build a caring and sharing society. The school's curriculum woven

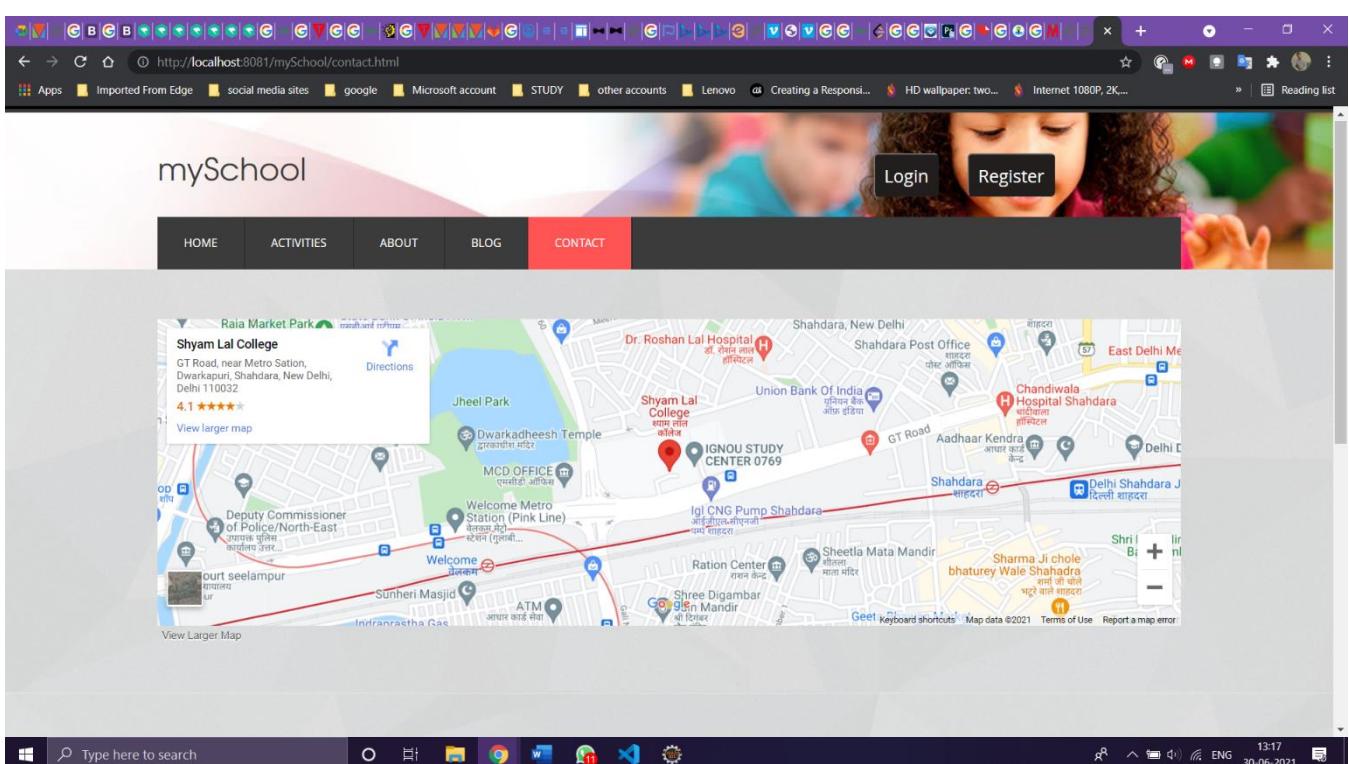
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The school stands committed to provide quality education through tested and accepted procedures and processes that aim at continual improvement of the learners; an education for human excellence, which helps children, grow into responsible citizens of their country who will build a caring and sharing society. The school's curriculum woven with the strings of Vedic knowledge and culture and a host of co-curricular activities, aims at building integrated and wholesome personalities, who are not only equipped with the 21st century skills, but are also equipped with a strong value system. They are fearless, bold and confident, open and receptive, creative and imaginative, active and perceptive and yet kind, soft-spoken and well-behaved, disciplined and dedicated, hardworking and sincere and above all cheerful and smiling. Is to be a Centre of Educational Excellence for all children, dedicated to produce responsible citizens and strong leaders for the future-to provide a holistic, stimulating, friendly & safe environment to the students who would come out fully equipped with 21st century skills and enriched with vedic values, and would be able to enjoy the journey of life with a smile on their faces, spark in their eyes and wisdom in their thoughts and actions.

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mySchool

HOME ACTIVITIES ABOUT BLOG CONTACT

Shyam Lal College
GT Road, near Metro Station,
Dwarka Kpur, Shahdara, New Delhi,
Delhi 110032
4.1 ★★★★
[View larger map](#)

Directions

Rai Market Park
Shyam Lal College
GT Road, near Metro Station,
Dwarka Kpur, Shahdara, New Delhi,
Delhi 110032
4.1 ★★★★
[View larger map](#)

Jheel Park
Dwarkadheesh Temple
MCD OFFICE
Welcome Metro Station (Pink Line)
Sunheri Masjid
Infranrasha Gas
ATM
Deputy Commissioner of Police/North-East
Pourt seelampur

Shahdara, New Delhi
Shahdara Post Office
Union Bank Of India
Dr. Roshan Lal Hospital
IGNOU STUDY CENTER 0769
Igl CNG Pump Shahdara
Shahdara
Aadhaar Kendra
Shahdara J
Sharma Ji chole bhaturey Wale Shahdara
Sheetla Mata Mandir
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Find Address :

Shyam Lal College
GT Road, near Metro Station, Dwarkapuri,
Shahdara, New Delhi, India
Phone: (+91) 958 267 6508
Email: nchauhan@gmail.com
Follow on: [Facebook](#), [Twitter](#)

Contact Us

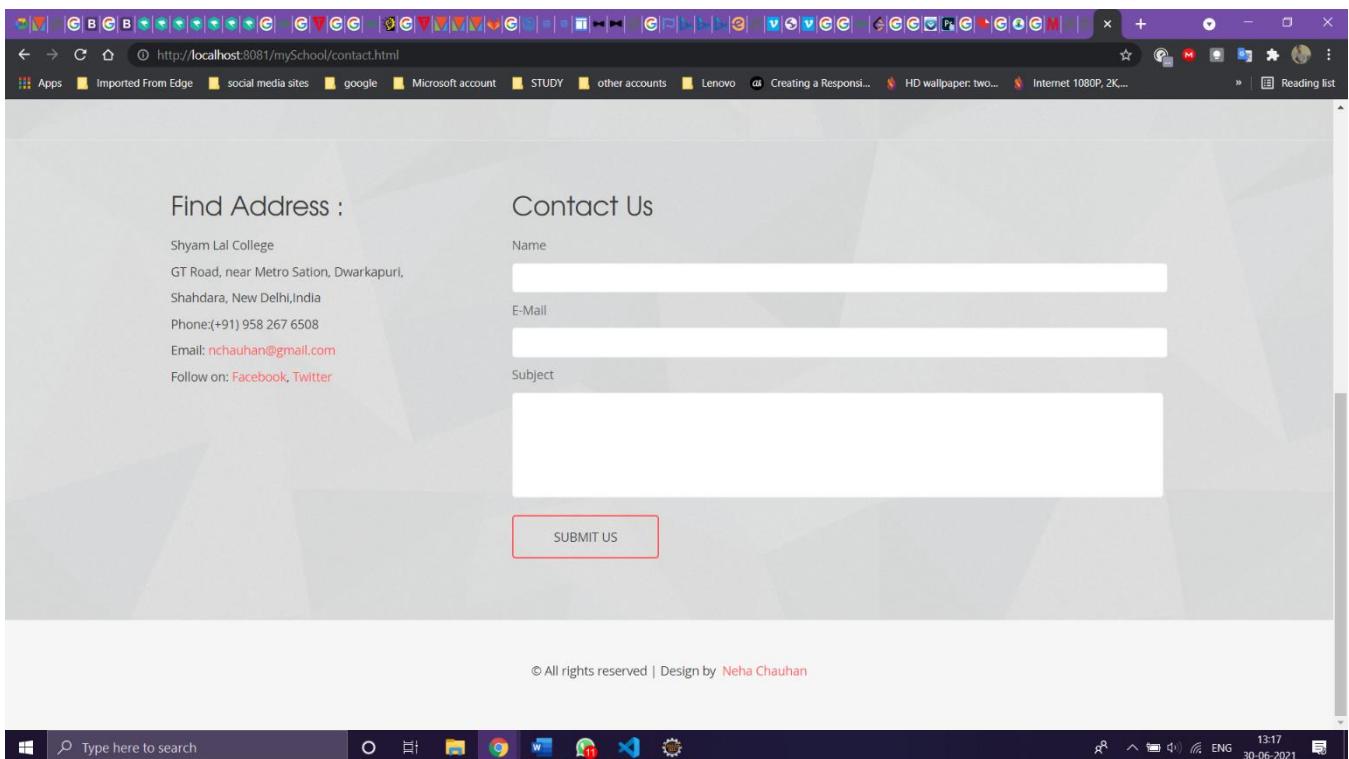
Name

E-Mail

Subject

SUBMIT US

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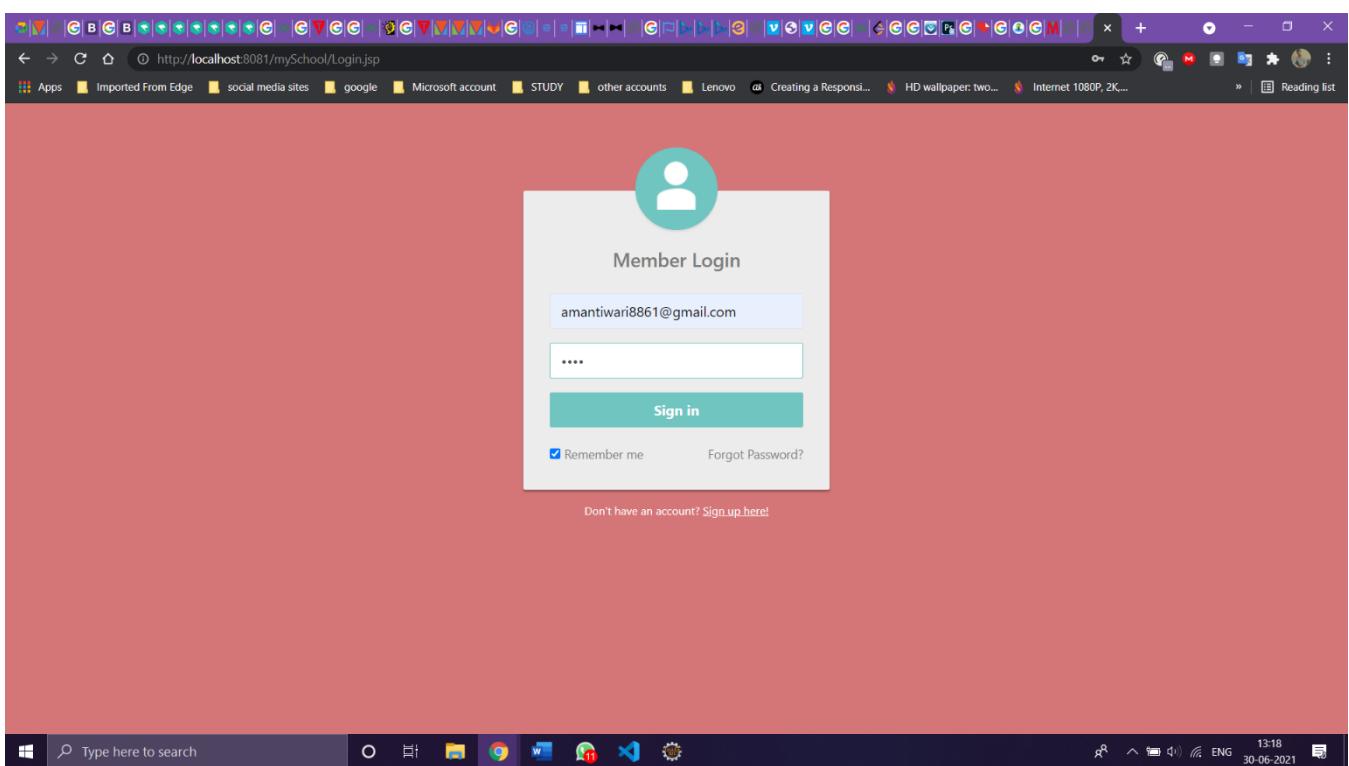
Member Login

amantiwari8861@gmail.com

Sign in

Remember me [Forgot Password?](#)

Don't have an account? [Sign up here!](#)



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Register Now!!
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Username: aman

Email Address: amantiwari8861@gmail.com

Password:

Confirm Password:

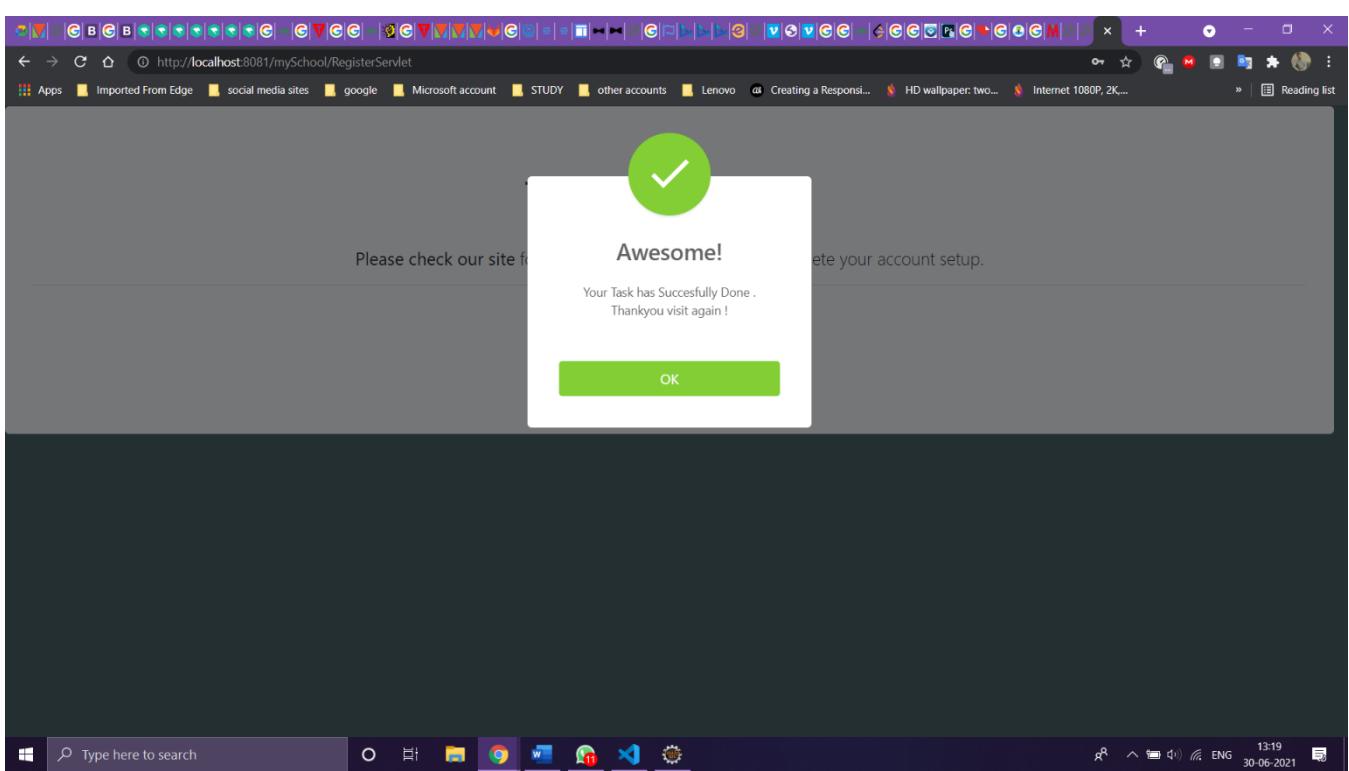
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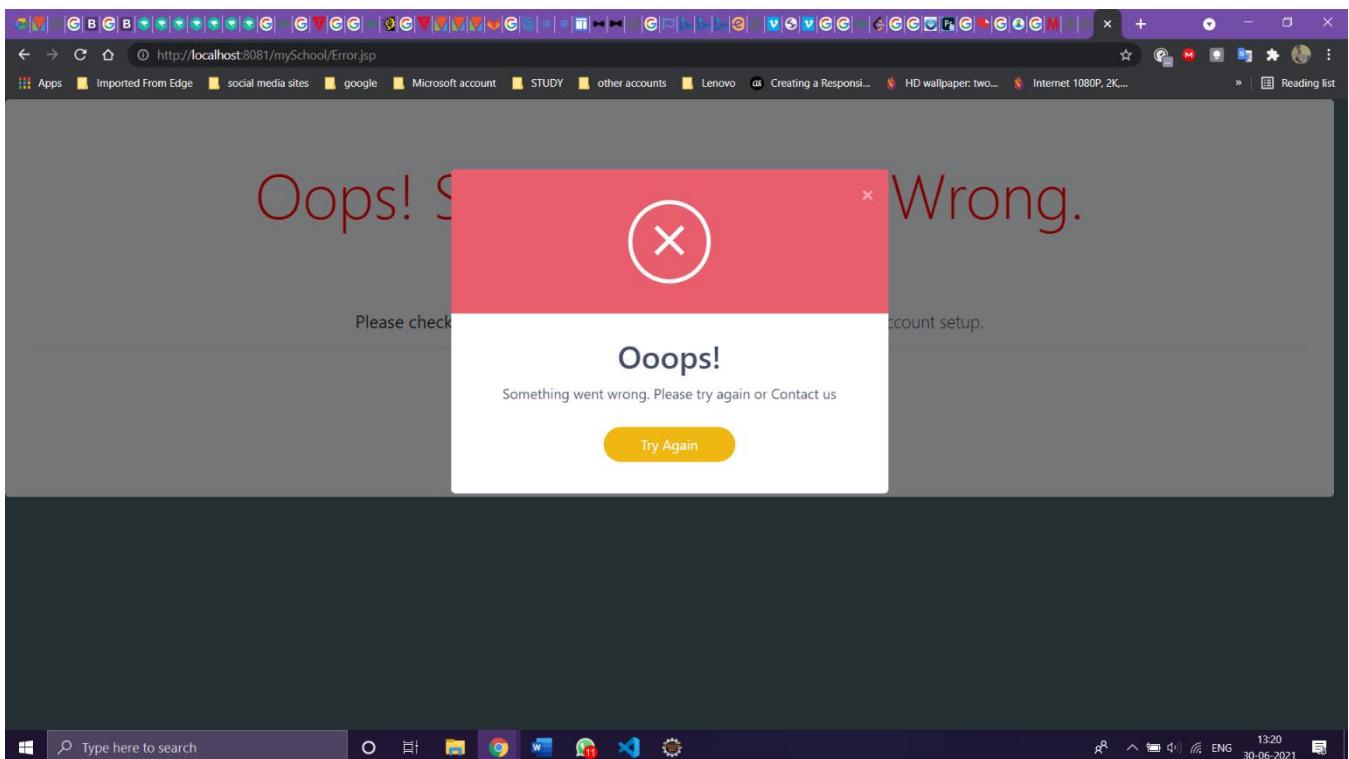
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IMPLEMENTATION OF SECURITY

As computers and other digital devices have become essential to business and commerce, they have also increasingly become a target for attacks. In order for a company or an individual to use a computing device with confidence, they must first be assured that the device is not compromised in any way and that all communications will be secure. In this chapter, we will review the fundamental concepts of information System s security and discuss some of the measures that can be taken to mitigate security threats. We will begin with an overview focusing on how organizations can stay secure. Several different measures that a company can take to improve security will be discussed. We will then follow up by reviewing security precautions that individuals can take in order to secure their personal computing environment.

The Information Security Triad: Confidentiality, Integrity, Availability (CIA)

• Confidentiality

When protecting information, we want to be able to restrict access to those who are allowed to see it; everyone else should be disallowed from learning anything about its contents. This is the essence of confidentiality. For example, federal law requires that universities restrict access to private student information. The university must be sure that only those who are authorized have access to view the grade records.

• Integrity

Integrity is the assurance that the information being accessed has not been altered and truly represents what is intended. Just as a person with integrity means what he or she says and can be trusted to consistently represent the truth, information integrity means information truly represents its intended meaning. Information can lose its integrity through malicious intent, such as when someone who is not authorized makes a change to intentionally misrepresent something. An example of this would be when a hacker is hired to go into the university's System and change a grade.

Integrity can also be lost unintentionally, such as when a computer power surge corrupts a file or someone authorized to make a change accidentally deletes a file or enters incorrect information.

• Availability

Information availability is the third part of the CIA triad. Availability means that information can be accessed and modified by anyone authorized to do so in an appropriate timeframe. Depending on the type of information, appropriate timeframe can mean different things. For example, a stock trader needs information to be available immediately, while a sales person may be happy to get sales numbers for the day in a report the next morning. Companies such as Amazon.com will require their servers to be available twenty-four hours a day, seven days a week. Other companies may not suffer if their web servers are down for a few minutes once in a while.

Tools for Information Security

In order to ensure the confidentiality, integrity, and availability of information, organizations can choose from a variety of tools. Each of these tools can be utilized as part of an overall information-security policy, which will be discussed in the next section.

• Authentication

The most common way to identify someone is through their physical appearance, but how do we identify someone sitting behind a computer screen or at the ATM? Tools for authentication are used to ensure that the person accessing the information is, indeed, who they present themselves to be.

Authentication can be accomplished by identifying someone through one or more of three factors: something they know, something they have, or something they are. For example, the most common form of authentication today is the user ID and password. In this case, the authentication is done by confirming something that the user knows (their ID and password). But this form of authentication is easy to compromise (see sidebar) and stronger forms of authentication are sometimes needed. Identifying someone only by something they have, such as a key or a card, can also be problematic. When that identifying token is lost or stolen, the identity can be easily stolen. The final factor, something you are, is much harder to compromise. This factor identifies a user through the use of a physical characteristic, such as an eye-scan or fingerprint. Identifying someone through their physical characteristics is called biometrics.

A more secure way to authenticate a user is to do multi-factor authentication. By combining two or more of the factors listed above, it becomes much more difficult for someone to misrepresent themselves.

• Access Control

Once a user has been authenticated, the next step is to ensure that they can only access the information resources that are appropriate. This is done through the use of access control. Access control determines which users are authorized to read, modify, add, and/or delete information. Several different access control models exist. Here we will discuss two: the access control list (ACL) and role-based access control (RBAC).

For each information resource that an organization wishes to manage, a list of users who have the ability to take specific actions can be created. This is an access control list, or ACL. For each user, specific capabilities are assigned, such as read, write, delete, or add. Only users with those capabilities are allowed to perform those functions. If a user is not on the list, they have no ability to even know that the information resource exists.

ACLs are simple to understand and maintain. However, they have several drawbacks. The primary drawback is that each information resource is managed separately, so if a security administrator wanted to add or remove a user to a large set of information resources, it would be quite difficult. And as the number of users and resources increase, ACLs become harder to maintain. This has led to an improved method of access control, called role-based access control, or RBAC. With RBAC, instead of giving specific users access rights to an information resource, users are assigned to roles and then those roles are assigned the access. This allows the administrators to manage users and roles separately, simplifying administration and, by extension, improving security.

• Encryption

Many times, an organization needs to transmit information over the Internet or transfer it on external media such as a CD or flash drive. In these cases, even with proper authentication and access control, it is possible for an unauthorized person to get access to the data. Encryption is a process of encoding data upon its transmission or storage so that only authorized individuals can read it. This encoding is accomplished by a computer program, which encodes the plain text that needs to be transmitted; then the recipient receives the cipher text and decodes it (decryption). In order for this to work, the sender and receiver need to agree on the method of encoding so that both parties can communicate properly. Both parties share the encryption key, enabling them to encode and decode each other's messages. This is called symmetric key encryption. This type of encryption is problematic because the key is available in two different places.

An alternative to symmetric key encryption is public key encryption. In public key encryption, two keys are used: a public key and a private key. To send an encrypted message, you obtain the public key, encode the message, and send it. The recipient then uses the private key to decode it. The public key can be given to anyone who wishes to send the recipient a message. Each user simply needs one private key and one public key in order to secure messages. The private key is necessary in order to decrypt something sent with the public key.

LIMITATION OF PROJECT

The drawbacks in School Management System software can be counted on fingers; with mostly only benefits, these systems have a few countable downsides. Often, applications face minor technical glitches and these systems are no exception but, ratification is immediate. Only, people who are accustomed to regular use of smartphones or computers can operate this software. Extensive modules and features make it difficult for a user to utilise the application. With huge flow in traffic the application is prone to performance issues. Few companies market their products at extravagant price, which are not affordable by growing organizations. Absence of proper internet-network makes it difficult for a user to access information, which is a significant disadvantage. The risk of data mishandling might be bothersome; but all these drawbacks can be evaded by choosing proper, cost-efficient and best software that best benefits an organization.

FUTURE APPLICATION OF THE PROJECT

Nothing is perfect in this world. So, we are also no exception. Although, we have tried our best to present the information effectively, yet, there can be further enhancement in the Application.

We have taken care of all the critical aspects, which need to take care of during the development of the Project.

Like the things this project also has some limitations and can further be enhances by someone, because there are certain drawbacks that do not permit the system to be 100% accurate.

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- <https://www.tutorialspoint.com/>
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- <https://edureka.co/>

Books

- HTML & CSS: Design and Build Web Sites
- Head First SQL: Your Brain on SQL
- SQL Bible, 2nd Edition (Paperback)