

**REPORT**

**ON**

**TWO WEEKS OF INTERNSHIP I**

Carried out on

**STUDENT MANAGEMENT SYSTEM**

Submitted to

**NMAM INSTITUTE OF TECHNOLOGY, NITTE**

(Nitte Deemed to be University, Nitte - 574 110, Karnataka, India)

In partial fulfillment of the requirements for the award of the

**Degree of Bachelor of Technology**

in

**Computer Science Engineering**

by

**P Sandesh Rao(NNM22CS118)**

Under the guidance of

**MRS.Shilpa Karegoudar**

**Assistant professor Gd-I**

**Dept Of Computer Science Engineering**

**CERTIFICATE**

*This is to certify that the “Internship I report” submitted by P Sandesh Rao. Bearing USN NNM22CS118 of I year B.Tech., a bonafide student of **NMAM Institute of Technology**, two weeks of internship during December 2022 fulfilling the partial requirements for the award of degree of Bachelor of Technology in **Computer Science Engineering** at **NMAM Institute of Technology, Nitte***

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Signature of Dean(Academics)

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Name & Signature Of Mentor

## **ACKNOWLEDGEMENT**

The final outcome of this internship requires a lot of guidance and assistance from many people and we are extremely privileged to have got this all along the completion of our internship.

We extend our gratitude to **Dr. I Ramesh Mithanthaya, Vice Principal & Dean(Academics), N. M. A. M. Institute of Technology, Nitte**, for his encouragement.

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## Abstract

The main objective of this project is to build a student database system that will store records of students. It is purposed to reduce time spent on administrative tasks. The system is intended to accept process, generate students. The system is also intended to provide better services to users, provide meaningful, consistent, and timely data and information and finally promotes efficiency by converting paper processes to electronic form. The system was developed using basic technologies such as MySQL database and PHP. The system is free of errors and very efficient and less time consuming due to the care taken to develop it. All the phases of software development cycle are employed and it is worthwhile to state that the system is user friendly and strong. Provision is made for future development in the system

# Introduction

Student Management System is software which is helpful for students as well as the school authorities. In the current system all the activities are done manually. It is very time consuming and costly. Our Student Management System deals with the various activities related to the students.

The two main users involved in this system are

1. User(i.e., Students)

2. Admin

In the Software we can register a student by the authentication code i.e., student id and password with help of student id and password student can login his/her account and view all the notices which is announced by admin.

## ➤ Purpose

The objective of Student Management System is to allow the administrator of any organization to edit and find out the personal details of a student and allows the student to keep up to date his profile .It'll also facilitate keeping all the records of students, such as their id, name, mailing address, phone number, DOB etc. So, all the information about a student will be available in a few seconds. Overall, it'll make Student Information Management an easier job for the administrator and the student of any organization.

**Advantages:**

It helps the educational administrator to handle and manage students' records. • It helps educational administrator to generate report.

It brings transparency and efficiency in the working of educational system.

**Disadvantages:**

The system can only handle single educational organization.

- The system does not include bank payment, Results ,Attendance.

**Applications:**

The website Student Management System is aimed towards recording a considerable number of student records and needs online assistance for managing records of students. Website should be user-friendly, 'quick to learn' and reliable website for the above purpose. Student Management System is intended to be a stand- alone product and should not depend on the availability of other website. The system will also have an administrator who has full- fledged rights with regards to performing all actions related to control and management of the website.

**Scope of the Project**

The proposed system will affect or interface with the user (student) and administrator. The system works and fulfills all the functionalities as per the proposed system. It will provide reduced response time against the queries made by different users. This project is based on

PHP language with MYSQL database which manage the details of the student because it is a tedious job for any organization. Student Information system will store all the details of the students including their background information.

All possible features such as verification, validation, security, user Friendliness etc. have been considered.

The different types of modules present in this project are

## 1. Admin

### 2. User

#### 1.Admin:

1. **Dashboard:** In this section, admin can see all detail in brief like Total Classes, Total Students, Total Class Notices and Total Public Notices.

2. **Class:** In this section, admin can manage class (Add/Update/Delete).

3. **Students:** In this section, admin can manage the students (Add/Update/Delete).

4. **Notices:** In this section, the admin can manage notices (Add/Update/Delete).

5. **Public Notices:** In this section, the admin can manage public notices.

6. **Pages:** In this section admin, can manage about us and contact us page of administration

7. **Search:** In this section admin, can search students by their student id.

8. **Reports:** In this section admin, can view how much students has been register in particular period.

9. Admin can also update his profile, change the password and recover the password.

### User (Students):

1. **Dashboard:** It is welcome page for students.
2. **View Notices:** In this section, user can view notices which are announced by administrator.
3. Student can also view his profile, change the password and recover the password.

### User (Non-Register):

1. **Home:** It is welcome page for user.
2. **About:** User can view about us page.
3. **Contact:** User can view contact us page.

Software requirements:

✓ Any Version of browser after Mozilla Firefox 4.0, Internet Explorer 6.0,chrome

Software requirements:

✓ Database: **MySQL**(phpmyadmin)

✓ Server: **Apache**(XAMPP)

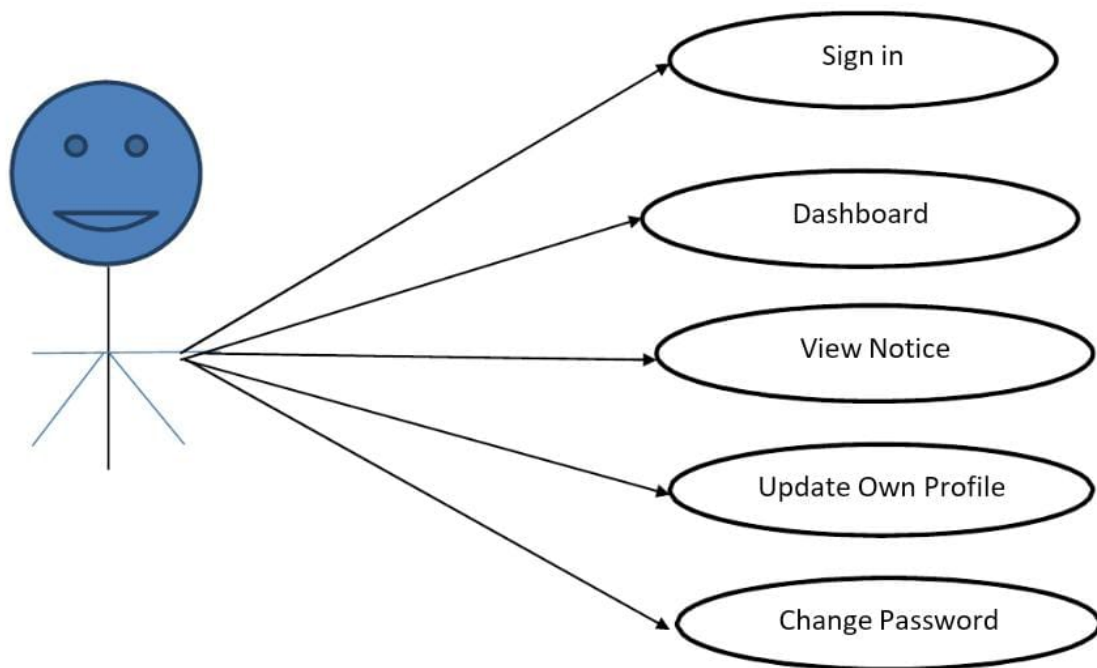
✓ Frontend: **HTML**



✓ Scripting Language :JAVA,PHP

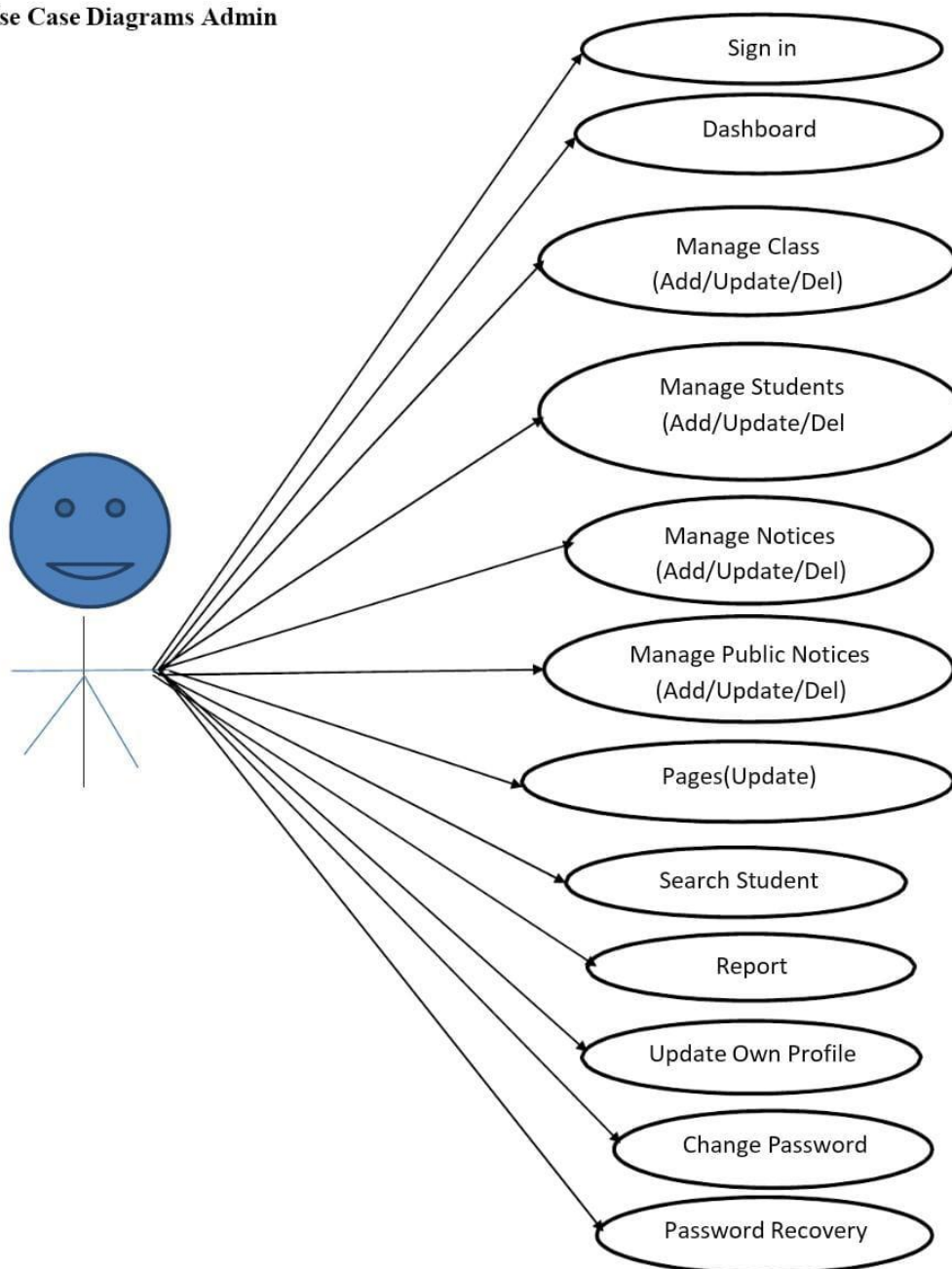
➤ User View:

### Use Case Diagrams User/Student



## Admin view:

### Use Case Diagrams Admin





## Database Design























The data in the system has to be stored and retrieved from database. Designing the database is part of system design. Data elements and data structures to be stored have been identified at analysis stage. They are structured and put together to design the data storage and retrieval system.

A database is a collection of interrelated data stored with minimum redundancy to serve many users quickly and efficiently. The general objective is to make database access easy, quick, inexpensive and flexible for the user. Relationships are established between the data items and unnecessary data items are removed. Normalization is done to get an internal consistency of data and to have minimum redundancy and maximum stability. This ensures minimizing data storage required, minimizing chances of data inconsistencies and optimizing for updates. The MySQL database has been chosen for developing the relevant databases.














### Student Management System (SMS) contains 6 MySQL tables:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> tbladmin	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tblclass	★ Browse Structure Search Insert Empty Drop	9	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tblnotice	★ Browse Structure Search Insert Empty Drop	4	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tblpage	★ Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tblpublicnotice	★ Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tblstudent	★ Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	16.0 KiB	-
6 tables	Sum	23	InnoDB	utf8mb4_general_ci	96.0 KiB	0 B

















> **tbladmin table Structure:** This table store the admin login and personal Details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	ID 	int(10)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/> 2	AdminName	varchar(120)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 3	UserName	varchar(120)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 4	MobileNumber	bigint(10)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 5	Email	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 6	Password	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 7	AdminRegdate	timestamp			Yes	current_timestamp()			 Change  Drop  More














> **tblclass table Structure:** This table store the class and section.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	ID 	int(5)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/> 2	ClassName	varchar(50)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 3	Section	varchar(20)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 4	CreationDate	timestamp			Yes	current_timestamp()			 Change  Drop  More


















































> **tblnotice table Structure:** This table store the notices detail which is Announced

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	ID 	int(5)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/> 2	NoticeTitle	mediumtext	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 3	ClassId	int(10)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 4	NoticeMsg	mediumtext	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 5	CreationDate	timestamp			Yes	current_timestamp()			 Change  Drop  More























>**tblpublicnotice table Structure:** This table store the public notices detail which is announced by admin.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	ID 	int(5)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/> 2	NoticeTitle	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 3	NoticeMessage	mediumtext	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 4	CreationDate	timestamp			Yes	current_timestamp()			 Change  Drop  More

>**tblstudent table Structure:** This table store the students details of educational organization.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	ID 	int(10)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/> 2	StudentName	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 3	StudentEmail	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 4	StudentClass	varchar(100)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 5	Gender	varchar(50)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 6	DOB	date			Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 7	StuID	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 8	FatherName	mediumtext	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 9	MotherName	mediumtext	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 10	ContactNumber	bigint(10)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 11	AltenateNumber	bigint(10)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 12	Address	mediumtext	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 13	UserName	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 14	Password	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 15	Image	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 16	DateofAdmission	timestamp			Yes	current_timestamp()			 Change  Drop  More

>**tblpage table Structure:** This table store the details of about us and contact us pages.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	ID 	int(10)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/> 2	PageType	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 3	PageTitle	mediumtext	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 4	PageDescription	mediumtext	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 5	Email	varchar(200)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 6	MobileNumber	bigint(10)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/> 7	UpdationDate	date			Yes	NULL			 Change  Drop  More

## OUTPUT SCREEN OF THE PROJECT

➤ Home Panel:

The screenshot shows the home panel of the Student Management System (SMS). It features a magenta header with the text 'SMS' on the left and navigation links 'Home', 'About', 'Contact', 'Admin', and 'Student' on the right. The main content area has a background image of a book with colorful letters. The text 'Student Management System' is prominently displayed, followed by the subtext 'Registered Students can Login Here'. A blue button labeled 'Student Login' with a right-pointing arrow is positioned below the subtext.

SMS

[Home](#) [About](#) [Contact](#) [Admin](#) [Student](#)

## Student Management System

Registered Students can Login Here

[Student Login](#) ➤

➤ **About Page:**

## About N.M.A.M.I.T

**Nitte Mahalinga Adyantaya Memorial Institute of Technology(NMAMIT)**, Nitte, established in 1986 and recognized by the All India Council for Technical Education, New Delhi, has been a constituent college of Nitte (Deemed to be University), Mangaluru, since June 2022. Ranked 175 in the National Institutional Ranking Framework (NIRF) 2022 by MHRD, GoI among the engineering colleges in India, the College has been placed under 'Platinum' category for having high industry linkages by the AICTE-CII Survey of Industry-Linked Technical Institutes 2020. NMAMIT, the off-campus centre of Nitte DU located at Nitte village, has active collaborations with several international universities and organizations for faculty and student exchanges, research, internships and placements.

The Institute offers UG engineering program in eleven disciplines: Artificial Intelligence & Machine Learning (AI&ML), Artificial Intelligence & Data Science (AI&DS), Biotechnology (BT), Civil Engineering(CIV), Computer & Communication Engineering (CCE), Computer Science & Engineering(CS), Electrical & Electronics Engineering (E&E), Electronics & Communication Engineering (E&C), Information Science & Engineering (IS), Mechanical Engineering(MECH) and Robotics & Artificial Intelligence (R&AI). Out of these programs, seven UG programs i.e., BT, CIV, CS,E&E, E&C, IS and MECH are accredited by NBA, New Delhi under Tier - I category till 30 June 2025. The Institute also offers PG program M.Tech. in seven disciplines namely Construction Technology, Computer Science & Engineering, Cyber Security, Electric Vehicle Technology, Machine Design, Structural Engineering and VLSI Design & Embedded Systems as well as MCA program. All the departments have qualified research guides for students interested in taking up research work leading to Ph.D.


NMAMIT is located in a vibrant, serene and green campus at Nitte spread over 125 acres and is nestled in the Western Ghats of Southern India on the way to the Kudremukh ranges. The nearest airport is Mangaluru International Airport (45 km). The nearest railway stations are Udupi (40 km) and Mangaluru (50 km). Nitte is 19 km from NH-66 connecting Kochi (Kerala) and Panvel (Mumbai) and 7 km from NH-169 connecting Mangaluru and Solapur (Maharashtra).



➤ **Public Notices:**



➤ **Login Page:**



**Hello! let's get started**  
Sign in to continue.


Login

☐ Keep me signed in [Forgot password?](#)

Back Home



➤ **Forgot Password Page:**



**RECOVER PASSWORD**  
Enter your email address and mobile number to reset password!


**Reset**

signin

**Back Home**

➤ **Admin Dashboard:**

Admin Welcome dashboard!

 Admin ▾

**Report Summary**

Updated Report ↻

Total Class  
**0**  
[View Classes](#)



Total Students  
**5**  
[View Students](#)



Total Class Notice  
**4**  
[View Notices](#)



Total Public Notice  
**0**  
[View Public Notices](#)





➤ **Add Student:**

SMS

Nmamit

principal@nmamit.in

DASHBOARD

Dashboard

Class

Students

> Add Students

> Manage Students

Notice

Public Notice

Pages

Reports

Search

SMS

Nmamit Welcome dashboard!

Nmamit

Add Students

Dashboard / Add Students

Add Students

Student Name

Student Email

Student Class

Select Class

Gender

Choose Gender

Date of Birth

dd-mm-yyyy

Nmamit Welcome dashboard!

Nmamit

Student ID

Student Photo

Choose File No file chosen

Parents/Guardian's details

Father's Name

Mother's Name

Contact Number

Alternate Contact Number

SMS

Nmamit

principal@nmamit.in

DASHBOARD

Dashboard

Class

Students

> Add Students

> Manage Students

Notice

Public Notice

Pages

Reports

Search

SMS

Nmamit Welcome dashboard!

Nmamit

Contact Number

Alternate Contact Number

Address

Login details

User Name


Password

Add

Student Management System

## ➤ Admin Profile:

SMS

 Nnamit  
principal@nmamit.in

DASHBOARD

Dashboard

Class

Students

Notice


Public Notice

Pages

Reports

Search

Nmamit Welcome dashboard!

 Nnamit

Admin Profile

[Dashboard](#) / [Admin Profile](#)

Admin Profile

Admin Name

Nmamit

User Name

admin

Contact Number


123456789

Email

principal@nmamit.in

## ➤ Student Profile:

SMS


 Pavan c  
pavan@gmail.com

DASHBOARD

Dashboard

View Notice


Pavan c Welcome to dashboard!

 Pavan c

View Students Profile

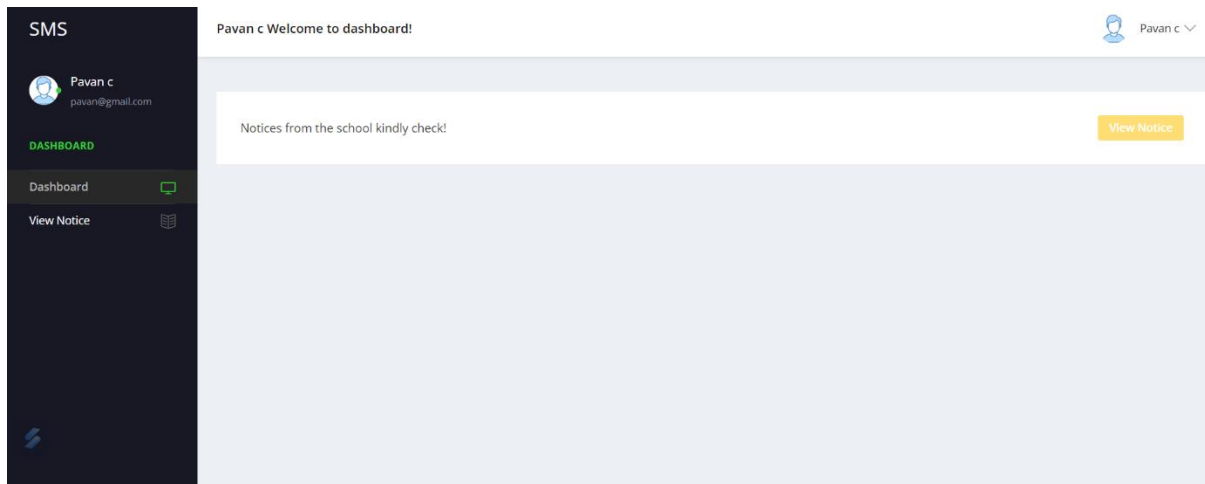
[Dashboard](#) / [View Students Profile](#)

Students Details

Student Name	Pavan c	Student Email	pavan@gmail.com
Student Class	computer science A	Gender	Male
Date of Birth	2222-11-25	Student ID	NNM22CS115
Father Name	XXXXXXX	Mother Name	YYYYYYY
Contact Number	1122334455	Altenate Number	2233445566
Address	karkala Nitte	User Name	pavan@gmail.com
Profile Pics		Date of Admission	2023-05-05 12:44:41

Student Management System

## ➤ User Dashboard



## Conclusion

The project titled as Student Management System was deeply studied and analyzed to design the code and implement. It was done under the guidance of the experienced project guide. All the current requirements and possibilities have been taken care during the project time.

Student Management System can be used by education institutes to maintain the records of students easily. Achieving this objective is difficult using a manual system as the information is scattered, can be redundant and collecting relevant information may be very time consuming. All these problems are solved using this project.

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- <https://www.w3schools.com/php/default.asp>
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