1. Objective:

Student Management System is Application Software design to Introduce Structured Information exchange Environment for Students, Teachers, And Administration Staff of college.

Major Objectives of Student Management Systems:

- Encourage a strong and positive relationship with the College.
- Support faculty and staff to perform basic functions through simplified work processes and procedures.
- It facilitates to academics staff to enroll and maintain the Information of Students.
- It helps the faculties to maintain Information of student related with attendance, marks etc.
- Student can view there dues, marks, attendance etc.

2. Introduction:

The Student Management System can handle all the details about Students. The details includes College details, Course details, Academic details, and Students Personal details etc.

2.1. Purpose:

- To maintain/process complete details of the student about their personal and academics Domains.
- To enable student to view their marks and grades any time.
- To enable professors to upload marks and submit grades from his/her office.
- To enable administration staffs to create and maintain Information of Students and Faculties.
- To enable administration office to update fee, dues, scholarships etc related Informations.

2.2. Intended User

This Document is created for,

- The Instructors of the course 'Software Engineering' for their review and monitoring progress of the project.
- The Software development team for their use in analysing the requirements.
- End users of the software developed can be administration staff, faculties,and students.

2.3. Project Scope

The scope of the to-be-developed 'Student management System' software package is:

- To facilitates to all types of Courses offered by the administration of SGSITS to its students.
- To facilitates to the need of suitable interface for all students and instructors of an offered course.
- To facilitate Administration to view, create, and update information of student and faculties.
- To facilitate college students to view their academic history.

Hence the scope of the project is to limited at college level only.

2.4. Limitations

- Project can only accessed through college servers.
- Limited number of data is handled/managed.
- Lack of interactivity and attractive GUI.
- Limited number of functionality.
- End Users are limited.

3. Overall Discription

3.1. Product Prospective

Student Management System is meant to serve as a common platform where management of everyday academic tasks can be carried out conveniently.The major goal of it is to become a more users friendly and to promote academic networking among the users.

3.2. Product Features

The web-based student information systems have the following features:

- Offer an easy-to-use interface for any normal user. Since all the applications are predefined, details only need to be filled in the required fields of information.
- Designed to support large amounts of data and simultaneous access by a number of users.
- All the required details such as admission, course and syllabus, account or fee are indexed and classified for easy access.

3.3. Operating Environment

This software package is expected to work in the following atmoshpere:

- Operating System**:-**Windows, Linux etc.
- Latest Web Browser Support such as Firefox, Google Chrome etc.
- MYSQL database and Hosting Apache Server.
- Programming Language Support should be only Procedural programming Language.

Like PHP, HTML,CSS etc.

3.4. User Classes

Users of the Student management System are of three category

- **Administration Staff :** This is the main user of the Student Management System can create user Id's for Student management System. User can be either collage student or faculty.

- **Teacher Staff :** This user can handle students records related to marks and attendance.

- **Student :** This user can view their academics records.

3.5 Design Constraints:

- The communication between the portal software and the database will be in SQL.
- The project layout will be in HTML/CSS.
- The system will be written in PHP.

4. System Features:

4.1. Fuctional Requirement:

Based on user class when user Logged In Functional Requirement are as follows:

●Registration:

To register a user with their user Id and password along with category of Admin,Faculty and Student . It takes information of user such as personal Details and other information.

Input: User Details.
Output: Registered with Id and password.

●Login:

This application can only be accessed by those are registered with system so login facility has to be maintained.

Input: User Id and Password.
Output: Logged In.

●Update:

This system can facilitate to update and make changes accordingly.

Input: User Id and password, incorrect data fields and requested corrections.
Output: Updated data field in the database.

●Attendance:

Faculty can maintain and update regular attendance.

Input: Daily entry of attendance.
Output: View attendance sheet.

●Sessionals:

Faculty can upload the sessional marks of student.

Input: Marks of student.
Output: Uploaded sessional marksheet.

●Maintain Dues:

There must be facility to maintain dues and other details.

Input: Due list and other Details.
Output: Updated data of student.
.

4.2. Non Functional Requirement:

- **Availability :-** The new system will be able to stay up and running almost every time. Any Non availability would be due to maintenance or upgrades.

- **Reliability:-** The ability of a system to behave consistantly in the user acceptable manner when operating within the environment for which the system was intended.

- **Portability:-** The degree to which software running on one plateform can easily be converted to run on another plateform.

- **Security:-** Only authorized users can access the system with their login Id and password. The user is automatically log out if he/she is inactive for more than 20 minutes.

- **Usability:-** All users will be satisfied with the usability of the product . All the users will be able to complete representative tasks without any problem.