**The following are notes taken by a student during review of literature. He/ She has coded each source. Critically read the information and write the literature review section.**

**[1]** This project will implement an information system to retrieve students’ general data and thus, enable Dean, Deputy Dean (Academic), Head of Program and Academic Advisors to access students’ academic status and study plan which will indicate the courses they must undertake next during the whole duration of their study.

This system enables the calculation of student GPA and CGPA. This information is important as students must always maintain their CGPA *z* 2.00 so that they are not under Probation. For those in Probation for two consecutive semesters, getting CGPA < 2.00 will mean that they will be dismissed. The interfaces and its coding have been created using Visual Basic 6.0, while the database were stored in Microsoft Access 2000. There are ten forms in this system: each one is interrelated with the previous and the next.

**[2]** This study describes a system called mobile student information system (MSIS) based on mobile computing and context-aware application concepts. Its purpose is to provide more user-centric information services to students. Different services are proposed in this system combining location-aware and context-sensitive information services for the students at the university. The research followed a design science approach, including surveys to argue for the relevance of the system and used evaluations of different versions of the system using a mobile system acceptance model (MSAM). By reducing the problems, we create a web based application for managing the admission of the students. This is an online system which includes an admission form and also generates the fee payment vouchers. It also allows scanning and uploading of students’ documents and saves these documents by assigning a permanent unique.

**We have developed a system based on the concept of web services which is implemented on Android mobile application as well as on PC that communicates with the database residing on a remote server. The Unique ID system provides unique identification numbers to the persons who is using this system.**

**[3]** *PURPOSE*

The purpose is to design a college website which contains up to date information of the college. That should improve efficiency of college record management.

*B. OBJECTIVES*

 providing the online interface for students, faculty etc.

 increasing the efficiency of college record management.

 Decrease time required to access and deliver student records.

 to make the system more secure.

 Decrease time spent on non-value added tasks.

So here we are using this HTML to make our web pages more effective as well as efficient and to make our web pages dynamic, we are using Java script. CSS gives the option of selecting various style schemes and rules according to the requirements and it also allows the same HTML document to be presented in more than one varying style. Javascript, PHP, SQL

**[4]** This paper assists in automating the existing manual system. This is a paperless work. It can be monitored and controlled remotely. It reduces the man power required. It provides accurate information always. Malpractice can be reduced. All years together gathered information can be saved and can be accessed at any time. The data which is stored in the repository helps in taking intelligent decisions by the management. So it is better to have a Web Based Information Management system. All the stakeholders, faculty and management can get the required information without delay. This system is essential in the colleges/hostels and universities.

**[5]** A Student Information System (SIS) is basically a software solution that enables educational institutions to digitize and consequently manage student information more efficiently. More specifically, it’s a system that allows educational institutions of all stripes to make all student information — that was previously stored in legacy systems — available online. In doing so, they manage to automate related administrative and academic processes, thus making them much more efficient. On top of that, they also succeed in supporting students’ needs — both inside and outside the classroom — in the best possible way. With a Student Information System, schools, academies and educational institutions of all sizes are able to perform a nearly exhaustive list of tasks much more efficiently than they would do without it. Registering students to classes, forming [timetables](https://www.dreamclass.io/2020/upgraded-timetable-management/), tracking [attendance](https://www.dreamclass.io/2021/monitor-attendance-with-a-student-attendance-management-system/) and storing performance records — such as [grades](https://www.dreamclass.io/2021/create-your-school-gradebook-using-dreamclass/) and [assessments](https://www.dreamclass.io/2021/student-assessment-with-a-student-academic-management-system/) — are only a subset of the tasks and processes that can be facilitated with such a system.

**[5]** The Student Information System is a resource that offers a self-service solution for students to get their administrative tasks done in one place. Equally, it is can support faculty and staff by helping to simplify and integrate work processes.

Since the SIS can be used as a digital dropbox, it's ideal for parents who want to access information on their child, communicate with the school, and even make payments.

The ability to standardize data formats between divisions means a more unified and clear data readout at a glance, ultimately saving time. Data integrity, privacy, and security can all be protected in an open-access environment.

**[6]** Many software vendors are developing SaaS SIS solutions for higher education institutions, and they are at different stages of development. Currently, there are three main categories of SIS offerings:

* **On-premises:** This traditional approach involves installing the software on the institution's servers and maintaining the system in-house. It requires significant IT resources and expertise to manage, including hardware and software installation, upgrades, and maintenance.
* **Cloud-hosted:** This type of SIS involves hosting the software on a remote server and accessing it through the internet. This essentially means using a web application that users can access from anywhere they have an internet connection instead of using a desktop app or intranet-based app.
* **SaaS (Software-as-a-Service):** This type of cloud-hosted solution allows institutions to access the SIS software through the internet. The software is hosted and maintained by the vendor, and institutions pay for the services they need. SaaS SIS vendors also provide regular software updates and maintenance.

[7]

* **Streamlined administrative tasks:** An SIS can automate many administrative tasks, from registration and enrollment to financial aid and student accounts receivable. This can reduce the burden on staff and improve efficiency across the institution, saving time and allowing them to focus on other important tasks.
* **Improved data accuracy:** By providing a centralized store for student data, a student information system can improve data accuracy and reduce errors in record-keeping. Th iis can ensure that staff members have access to accurate, up-to-date information they need when they need it, without having to find it in multiple applications and data stores.
* **Enhanced communication with students:** An SIS can provide personalized support and guidance to students throughout their academic journey. By tracking communication with students and managing applications and transcripts, a student information system can help to streamline the recruitment and enrollment process and improve communication with students.
* **Improved student success and retention:** With an SIS, institutions can track a wide range of data related to student progress and academic achievement, including enrollment patterns, retention rates, and graduation rates. By tracking these metrics over time, administrators can identify areas for improvement and come up with solutions to enhance student success, making it easier for them to stay on track with their academic goals.
* **Improved institutional performance:** An SIS can provide a comprehensive view of student data and institutional performance, allowing administrators to make data-driven decisions and improve operational efficiency.