**SALAHADEN UNIVERSITY**

Faculty of science

DEPARTMENT OF

GRADUATION PROJECT

Student system



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**Abstract**

An electronic way of learning and communicating with students offers a lot of advantages that can be achieved through different solutions. Among them, the most popular approach is the use of a learning management system. Teachers and students do not have the possibility to use all of the available learning system tools and modules.

Learning Management Systems are online platforms where teachers and students can collaborate in order to improve student achievement they allow teachers to create an online class, add assignments, add resources for student to use both inside and outside of the classroom An LMS can help to grade these assignments and deliver quick, high-quality feedback and they allow teachers to communicate with student in a number of ways.

Essentially, Learning Management Systems allow teachers to organize and optimize their entire class process for students, the Learning Management System allows them to access their class online. They can find their assignments according to the dates they can find and use a wide variety of classroom resources, and they can even turn in assignment and view up-to-date grades.

With this research, we obtain significant results and information for administrators, teachers and students on how to improve effective usage of this system

**INTRODUCTION**

Student Information System (SIS) is a web-based application software designed to introduce a helpful and structured information exchange environment for participating students, teachers and the administration of college. Some of the other software bundles available for this purpose include Student Management System (SMS), Student Information Management System (SIMS) and Student Records System (SRS). These software systems enable educational establishments to control student-related activities such as keeping records of tests or examinations conducted, attendance, , and all other association related activities; in short, they offer a complete student records system. They are designed with different application abilities reaching from simple management of students’ records at college to management of all student-related functions as well as administrative purposes of a university or a sequence of educational institutions.

**History**

Much of the software used in past student information systems and college administration worked on an nonoperational code base and had a curious mix of presentation, business sense, and data accessibility. It was difficult and frequently costly to modify these systems to provide to future demands.

Some of the early creativity software programs such as WebCT, SCT Campus Pipeline, Jet speed, and Blackboard merely enabled interactions between students and teachers for academic purposes and served only as a student information system. The advantage of having a student management system was disappeared as it was not possible to integrate any of the campus-based activities within these systems. Most often, student data were kept distributed in multiple locations, making it hard to interpret and project.

**Objectives of Student Systems**

Student systems must meet the following objectives:

·Enable self-service for students to perform basic administrative functions and tasks in a “one-stop” service and access environment.

·Integrate data sources and process them through a single function that supports one-time entry of student data.

·Support the holding and recruitment of students and encourage a strong and positive relationship with the university, and other constituencies.

·Integrate and support new learning and teaching opportunities and technologies for students and faculty.

·Support open interfaces and integration with other campus applications and database systems.

·Ensure data integrity, privacy, and security in an open-access environment.

·Support faculty and staff who perform both basic and complex functions through simplified work processes and procedures.

**Features of Students Systems**

·**Admission of students to the institution**

Using an auto reply feature and a standard format, a student system replies all the admission-related requests of students who may want to apply. Also, during the admission, the created database is used for sending admission letters or regret letters to the prospective students. During the registration of students the system stores all the main subject and optional subject details. This information is further used for automatic creation of subject classes and assignments to teachers.

**Availability of information from a single source**

Most of the student systems are created with an objective to store details of quality information and make them available as an combined system. Use of such online administrative and student systems increases the practical efficiency of an institution. Availability of a student records system covering all information details at a single source enables easy categorization of the right information.

·**Monitoring student-related activities**

A complete record of students’ attendance and leave details is stored in the system. The reminder option in the system informs the institution management about the indiscretions in the attendance or leave details for further action. The student information system facilitates recording of all communication details with the students for regular complement and future use.

·**Easy-to-use simplified process**

The student system enables assembling of all the data at a single source, especially that of students and teachers. This electronic storage of records cuts down the use of paper at all levels. Such an availability of all the required information in the electronic form facilitates easy recovery, and also speeds up approval procedures. It is possible to store all student-related activities such as test performance, and exam schedules in the system.

**Easy scheduling of examinations**

Scheduling of examination dates can be easily handled by a student system. It relates all specifics such as accessibility of teachers and completion of book program fixed for the term before sharing the examination dates. Details about records of all written examinations, evaluations on the papers, marks or grades, and learning progress made by the students can be recorded for easy retrieval.

**Literature Review**

**Introduction**

The information system is important in collecting all data and information of all staff or member in one organization to be in one place. The system is normally provided very helpful task that will replace the human as to keep it in file as the inventory or other purposes. In order to design a helpful system in order to make ease to the user, This system focused on recording and updating the data. It is also provided report or printed document to the user in the system which will make the status of the student easier to be checked

### Methodology

**Introduction**

In computing, a website is a client server computer program which allows the client to run in web browser. Here we going to explain more about what are the user needs , and we are here to answer that question with more details and also not to mention the database design and its structure, our goal is to create an easy interface for the user creating a website and it’s database with comfortable feature so using other website because other websites are hard to use and not responsive with the user that makes it hard to use. In addition, we wish to offer additional functionality for managing and friendly for user.

**Technical Tools**

**1 HTML:** is the markuplanguage that we need to implement the structure of our pages and HTML5 is the latest version [1]



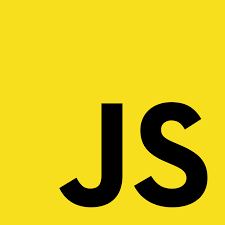
**Figure** HTML Logo

**2 CSS** (Cascading style sheets) : is the styling language that we use it to style the markup language and we use latest version is CSS3[2], and in our website we use bootstrap 4 which is a CSS framework that make the over CSS work easier to implement [2].



**FIGURE** CSS Logo

**3 JavaScript** : is the scripting language for web pages and its lightweight and interpreted language that we need it to make dynamic pages , and also its useful to make the process faster as its working on client side . we put some process there which is not necessary to be done in the server side . [3]



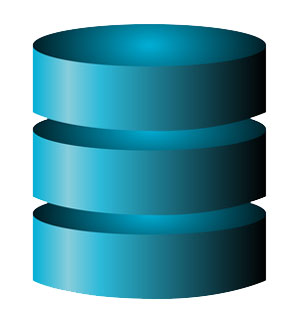
**Figure** JavaScript Logo

**4 PHP :** Server side programming language that is specially made for web developer and its open source general purpose scripting language , current version (php7) . we use it as server side for the main functionality of our project .



**Figure** PHP Logo

**5 MYSQL :** is a relation database management language which is open source and free , we use MYSQL as a database management



**Figure** MYSQL DataBase Logo

**(3.3) DataBase**

database is done by MYSQL, the data is stored separately in different table and managed by both MYSQL and PHP to provide it on the pages , MYSQL is relation database and the table can have relation by foreign key constraint , but in our case we are focused be linked then we can have second and third …. Then we solved this by not making relation just by managing it in PHP side .

