

Online Scientists' Information System

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ABSTRACT

Online Scientist Information Management System can be used by education institutes to maintain the records of scientists 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.

Keywords: Online Scientist Information Management System(OSIMS), Web Technology, Record Maintains, Database.

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I. INTRODUCTION

The design and implementation of a comprehensive scientist information system and user interface is to replace the current paper records [1]. Staffs are able to directly access all aspects of scientists academic progress through a secure, online interface embedded in the website. The system utilizes user authentication, displaying only information necessary for an individual's duties. Additionally, each sub-system has authentication allowing authorized users to create or update information in that subsystem. All data is thoroughly reviewed and validated on the server before actual record alteration occurs. In addition to a staff user interface, the system plans for student user interface, allowing users to access information and submit requests online thus reducing processing time. All data is stored securely on MYSQL servers managed by the scientist's administrator and ensures highest

possible level of security. The system features a complex logging system to track all users' access and ensure conformity to data access guidelines and is expected to increase the efficiency of the scientist record management thereby decreasing the work hours needed to access. This system provides a simple interface for the maintenance of scientist information. It can be used by educational institutes or colleges 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 online scientist information management system. The paper focuses on presenting information in an easy and intelligible manner which provides facilities like online registration and profile creation of student's thus reducing paper work and automating the record generation process in an educational institution.

II. PROBLEM STATEMENT

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 online scientist information management system.

III. LITERATURE SURVEY

A. Toward a Student Information System for Sebha University This paper [1] basically focuses on providing a simple interface for the easy collation and maintenance of all manner of student information. The creation and management of accurate, up-to-date information regarding students' academic careers is critical students and for the faculties and administration of Sebha University in Libya and for any other educational institution. A student information system deals with all kinds of data from enrollment to graduation, including program of study, attendance record, payment of fees and examination results to name but a few. All these data need to be made available through an online interface.

B. A Study of Student Information Management Software This paper [2] focuses on providing information to support the operation, management and decision-making functions of enterprises or organizations. In the face of huge amount of information, it is required to possess the student information management system to improve the efficiency of student management. Through this system, the standardized management, scientific statistics and fast query of student information can be realized, and thus the workload of management can be reduced. In this paper, a typical student information management system will be established to realize the systematization, standardization and automation of student information relationship.

C. Web Based Student Information System This paper [3] focuses on simple interface for maintenance of student information. The creation and management of accurate, up-to-date information regarding a student's academic career is critically important in the university as well as colleges. Student information system deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details, placement details and other resource related details too. It tracks all the details of a student which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters, years. Different reports and Queries can be generated based on vast options related to students, batch, course, faculty, exams, semesters, certification and even for the entire college.

IV. PROPOSED SYSTEM

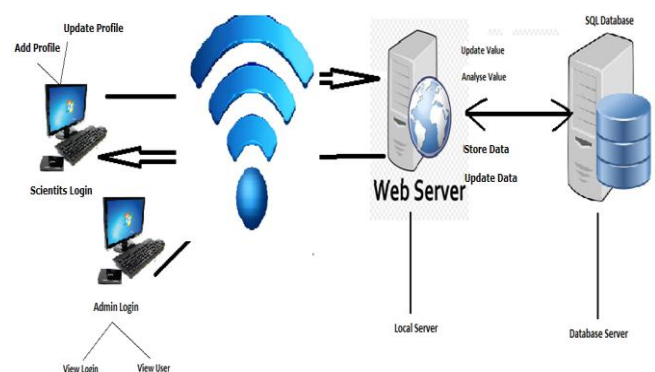


Fig 1. System architecture

Scientist:

The scientist is of center focus ,because in every research development team plays the very important role. Scientist can access the information of the all.

Admin:

Each Admin has one file that enables them to keep their scientist records securely and access information all in one place.

That single database file allows administrators to have up-to-date information about the scientist and their profile at any time.

Server:

Here we use the local server to communicate and stored the important records of the scientist.

Security:

SQL injection is a code injection technique, used to attack data-driven applications, in which nefarious SQL statements are inserted into an entry field for execution (e.g. to dump the database contents to the attacker). SQL injection must exploit a security vulnerability in an application's software, for example, when user input is either incorrectly filtered for string literal escape characters embedded in SQL statements or user input is not strongly typed and unexpectedly executed. SQL injection is mostly known as an attack vector for websites but can be used to attack any type of SQL database.

V. CONCLUSION

This system 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 Online Scientist Information Management system.

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