**Project Proposal**

**Course Information**

**Course:**  CSE 480Web Database (Section 1)

**Instructor:**  Bijan Paul, Senior Lecturer, CSE Dept.

**Project Name**

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| **Title of Project** | Student Database Management System |
| **Team Members (ID & Name)** | 1. Puloma Roy (2014-2-60-056) 2. Armin Haque (2014-2-60-069) 3. Rajashree Roy (2014-3-60-070) |

**Project Purpose**

The purpose of this system is to maintain the records of students, faculty, admin in the university and simplify and automate the process of searching information and managing various curricular and extra-curricular activities.

**Project Goals and Objectives**

The goals and objectives of the Student Database Management System are as follows:

1. To store information about all faculty and student.
2. To allow search for faculty member or student.
3. To provide online advising and course registration facilities.
4. To provide online grade submission and result publication.
5. To provide scholarships and financial aids.
6. To provide online clubs management.
7. To allow online library access and search for books.
8. To provide news and notices to the continuing students and faculty members.

**Project Description**

The system that is going to be developed is Student Database Management System (SDMS). This is a database application system that is to be used by the universities or similar educational organizations to manage relevant functions. The system keeps the records of all the students and faculty members. This system also has the ability to keep track of course registration, academic result, scholarships and financial aids, clubs and library managements etc. This project intends to computerize the student database management system in a university in order to improve the record management efficiency due to the grown size of records of data.

**Scope**

As a whole the system is focused to work with student database management system for university and on additional modification it can be also used as management systems of similar universities.

**System Users**

* **Administrators:** Has full privilege on the system's functions
* **Faculty members:** Has privilege on the system's functions as assigned by the administrator

**Database**

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| 1. **Data about Faculty and Student**  * Faculty /Student Id * Name * Date of Birth * Gender * Address * Contact Number * Email Address | 1. **Data about Course**  * Course Id * Credits * Sections | 1. **Admin**  * Admin Id * Name * User Name * Password |
| 1. **Course Registration for Instructor**  * Id * Course Id * Faculty Id * Section Id * Room Id * # of Students | 1. **Course Registration for Students**  * Id * Course Id * Student Id * Section Id | 1. **Grade Submission**  * Student Id * Course Id * Grade |
| 1. **Scholarships**  * Scholarship/Financial Aids Id * Requirements * Awarded Amounts | 1. **Scholarship Awarded**  * Scholarship Id * Student Id | 1. **Apply for Financial Aids**  * Causes |

**Processes**

* **Login:** The system provides security features through username-password matching where only authorized user can access the system with different authorization level.
* **Instructor Course Registration:** This allows instructors to register to courses.
* **Student Course Registration:** This allows students to register to courses.
* **Grade Submission:** This allows instructors to submit grades of students.
* **Result Publication:** This allows students to get grade reports.
* **Scholarships:** This allows students to be awarded scholarships on excellent reasults.
* **Financial Aids:** This allows students to apply for financial aids on given terms and conditions.
* **News and Notifications:** This provides news and notices to the continuing students and faculty members by sending them notifications.

**Technology**

**Frontend Language: PHP**

**Backend Language: MySql Database**