Final Year Project Proposal

Title: Design and Implementation of Students Project Management System (SPMS)

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Brief Project Description
SPMS is a system that allows approval and monitoring of the progress of the student's capstone projects. The system will enable students to communicate easily with their supervisor regarding the updates on their projects.

Statement of problem
Institutions today seek to fully develop their student's intellects and put all that they have learned so far to use by allowing them to complete a capstone project. A capstone project is a two-semester process during the final year in which students pursue independent research on a question or problem of their choice and engage with scholarly debates in the relevant disciplines. In the manual method, monitoring of the capstone project is face-to-face. Communication between students and advisers is difficult due to possible physical barriers and practical obstacles. The manual way is inefficient in guiding the students to complete their final year projects.

 Many educational institutions struggle with project management, and this is because there is no automated system used in any of these institutions. All student project reports and sources are gathered by the institution administration and staff, who then physically store them in libraries or other locations.

Proposed Solution
To address the concerns above, the researcher of this study proposes a Student Project Management System (SPMS). The system aims to provide a platform wherein monitoring a project is easier, faster, and accessible for everyone to solve this practical issue while simplifying the procedure. Additionally, Automating the project approval and submission process will be the primary emphasis of this SPMS project. In the sense that the system will easily let students provide updates and communicate to their supervisors in case of difficulties.

SPMS will reduce the physical efforts of students meeting the project supervisor, enabling the supervisor to review and approve the project along with suggestions if any. The system will reduce the time frame period for students to complete their final year projects. Additionally, students can offer weekly updates on their projects' development, to be tracked by the project supervisor.
The proposed system will also eliminate the issues encountered in the manual method and is more efficient and reliable.

Objectives
The main goal of this project is to design and develop a system that will ease the approval and monitoring of the student's final year project.
Specifically, the project aims the following objectives:
- The system will help the students and the project supervisor communicate easily regarding questions about the project.
- The system will serve as a platform for updates regarding the status of the project.

- The system will disseminate information among students involved in the specific project.
- The system will help the supervisor monitor the final year projects for an efficient result.
- The system will help monitor the group's progress.
- The system will ~~provide~~ fast and reliable information for the users, including the process of storing, updating, and retrieving information.

Scope

The computer machine has developed a lot. It has made many things possible which are supposed to be impossible in the past.

~~The reason to develop the software "STUDENT PROJECT MANAGEMENT SYSTEM" is to adopt the benefits of computers. They will be able to do much more work than a manual system. The valuable data is portable, and we can transfer it from one place to another. It takes only a few seconds instead of two and three days. Thus, it is a more advanced and safe technique. Working on a computer also helps to prevent your data from unauthorized access. It is more reliable in transferring data far away from~~

~~The organization. It will also help the student of distant education.~~

The proposed software will be limited to the department of computer science at its early stage. The study will serve as a baseline for anyone who wants to pursue and further extend the Capstone Student Project Management System.

Data Source

The system does not rely on any external source as it stores all data in its database.
The details of the Administrator, supervisors, and final year students can be gotten from the department's office and seeded into the database.

User Types: Administrator, Supervisor, and Student
Administrator
- Manage all administrative duties
- Assign project supervisor(s) to the student(s)
- Re-designate project supervisor(s)

Supervisor account can:
- View list of project students
- Manage Milestones of individual(s) project student(s).
- View details of the submitted task and give feedback.

Student(s) account can:
- View milestones set by the supervisor.
- Upload updates for every task.
- View Details of the submitted task
- Communicate with the supervisor

Software Requirements:
Database: SQL Server 2019
Framework: .Net
Front-end: HTML, CSS, and JavaScript
Backend: C#