Information Management System for Mentor-Mentee

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Abstract - This project bridges the gaps between the mentors and students in different areas of constraints. This system provides an Online Mentoring system for mentors and students. Conventional systems leave huge gap in interaction among mentors and students. Conventional system requires the mentor and students to be physically present at the same place and time for interaction, it has a large documentation process and it is time consuming.

To overcome all this problems we are developing an web based application providing necessary information management for mentors and students. Students are assigned to the mentors according to their area of interests to which the mentors can be helpful to improve the personal as well as academics of the students, the students and mentor can communicate through messaging on the website, all the information will be managed digitally.

*Key Words***:** Mentor, Information Management.

1. INTRODUCTION

Our system will help the students as well as faculties of the institute to have a great mentoring experience. It will be very helpful for the type of students who are very shy to interact with faculties and with other peoples and are not able to ask questions or clear doubts through faculty by one to one interaction. The student can post their questions and doubt through the message from anywhere and anytime and the faculty can respond to the doubts and questions whenever he logins the system. It will also help in better management of the information about the students as well as faculties, all the information will be digitally stored which will make it secure.

1.1 Motivation

Mentoring is a process for developing personal and professional aspects of students through sharing of knowledge, expertise and experience. But the traditional mentoring processes are lacking in some areas which is creating an bad impact on the overall developments of the students, so we intend to develop a system that will overcome all this problems.

1.2 Problems

The traditional mentoring processes that are performed in the institutes are time consuming because the mentor and students needs to present at the same time and at the same place to have interaction or discussion it is also a hectic process because it needs too much of paperwork for data storage and knowledge storing and management of data.

1.3 Solution

The solutions to the above problem is that students and mentors can communicate through online messaging through the website and all the paperwork and the data storage, knowledge storage and data management will be done digitally and everything will be stored on the database.

2. Objectives and Scope

The main objectives of the system is to have better information management system and to track the progress of the students by looking after the types of questions and queries the students post and to manage all this data digitally on the database.

3. Overview of the System

3.1 Users of the system

- **Admin -** The administrator will be the head user of the system. Admin will be responsible for registering the mentors and students and allotting the proper mentor to the students according to their area of constraints and interests.

- **Students -** Student is the most important user of the system, student will be the one who is going to be mentored, the student will post questions or problems to the mentor and get back the solution.

- **Mentor -** The mentor will be the one who will have all the access to the student data and is responsible for solving the queries and answering the questions of the students.
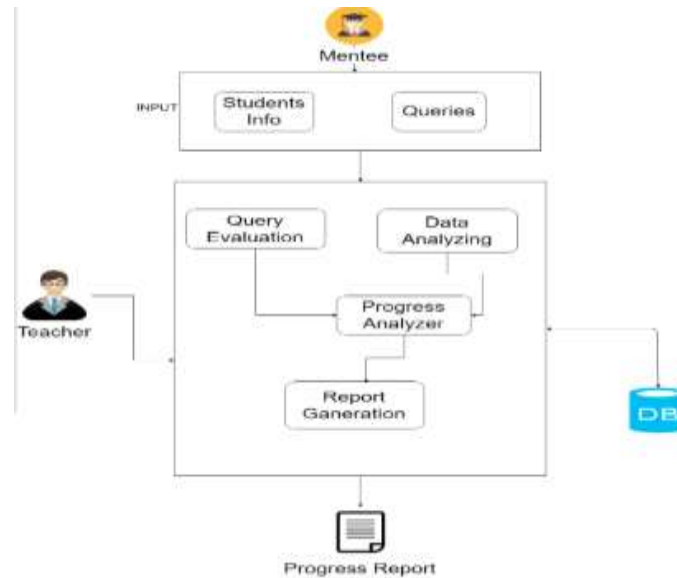

Diagram -1: System Architecture

3.2 Modules of the system

- **Input module –** The input module contains many sub-modules in it like the registration module, in registration module the admin registers the students as well as the mentors. In student Info module the students enter all its information its personal and academic information and saves it. In Queries module the students post their doubts, queries and questions they want to ask the mentor.

- **Data Processing module –** In this module there are many sub modules like query evaluation, data analyzing, report generation. In query evaluation the mentor looks after the questions asked by the students and posts the solutions to it. In Data analyzing module the mentor looks all the information about the students and analyzes the strength and weaknesses of the students and stores it in a form of report.

- **Report Generation module –** In report generation module the mentor will generate a progress report in the from of a graph based on student performance in academics in person and also based on its overall performance.

3.3 Functioning of the System

The process starts when the admin registers the mentors and the students, the mentor and students then logins with their credentials and fills up all the information about themselves, then the admin allots the mentor to the students based on their weaknesses and strengths. The mentor then analyzes all the information about the students allotted to them for mentoring. The students then post questions and problems to the mentor through message and when the faculty logins, the questions will be displayed to the faculty on which the faculty will respond according to his/her knowledge and the response will be sent back to the student, by this the student and faculty can communicate, the mentor will create an assessment report for the student based on its performance, the report will be a graphical representation of the growth of the student.
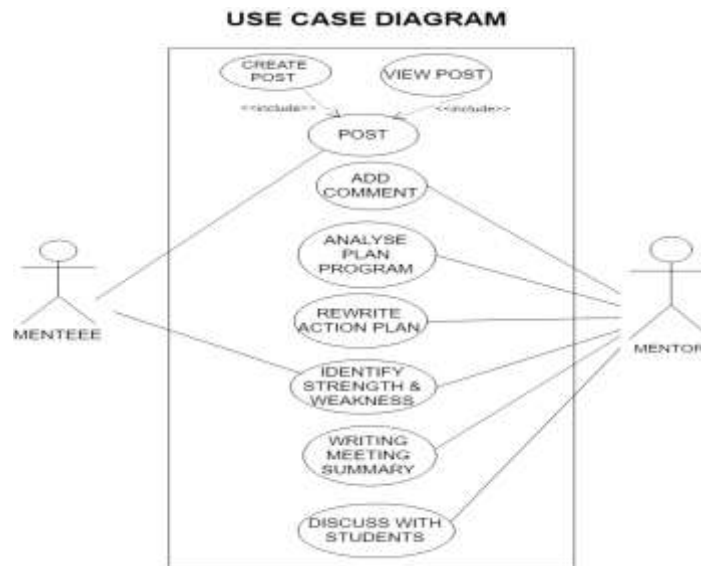
Diagram -2: Use Case Diagram

4. CONCLUSION

This system meant to automate and supplement the current mentoring process and knowledge sharing and managing process to provide greater opportunities and access to knowledge transfer for overall growth of the students as well as the institute.

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