Criterion E

Evaluation

The Proposed System "CAS Management System" is working successfully and meeting all the success criteria of the client's requirement. The Application needs to be installed in the client's machine with required software packages. The proposed solution support for managing project details such as addition of new project, viewing and updating the existing projects, Maintaining the student details and daily attendance in CAS period of each employee. Data security is ensured by imposing the system with user authentication process using the login page with the password being in password character and input mask in the login form. Also the database in backend server can be accessed only after authentication. The product has the facility to enable the client to take daily attendance in a seamless form by selecting the client name and the attendance status as Present/Absent. The attendance entry will be done along with date time by capturing the system current date timestamp. Complex queries are used while updating projects and students' tables. Referential Integrity constraints are enforced on tables at column level so that duplicate entries and wrong entries will be eliminated. This application provides facility of retrieving the daily and the entire tenure attendance details for each student from the database by querying the tables. The application has a feature of setting the employee category based on Grade value.

Word Count: 220

Addition of a project **Usage of Inheritance and Polymorphism**	**SUCCESS**	A new project was added with all its relevant credentials
Creation of Students **Usage of Arrays**	**SUCCESS**	The creation of student was successful with a unique student
Linking students with projects **Usage of dynamic data structures**	**SUCCESS**	The students were linked with projects and each project was assigned a student using the student ID
Log in and password for the product **Implementing Input Mask**	**SUCCESS**	Log in and password were carefully set for

		the program and with no two logs in being same. The log in commands were executed
Implementation of daily attendance maintenance **Using the formation of lookup tables**	**SUCCESS**	The attendance was recorded with all its required parameters like timestamp and student id
Create Read and Update projects **Usage of Complex Queries**	**SUCCESS**	The projects can be updated at any time and the lists can be refreshed.

Recommendations for Further Development

The developed application satisfies the requirement given by the client presently. This application can now be installed in a stand-alone system but it can be extended to support multiple terminals from different locations. This improvement may help the client to use this application for multi-store environment. And also this can be upgraded to support online mode of operation. So that, Owner can access the details from anywhere. I liked the way the security if the product is maintained providing the password character in both the login screen and also in the database. Also, the automated update of the data in different tables has helped me to get the required information easily. I have the future requirement for admin and non-admin user features to access the application and also for the other subject integration with CAS.

To summarize: -

- An online mode of operation can be established to that the application supports multiple terminals at different locations.
- Developing admin and non admin user feature for accessing the application for different stakeholders.