



BSc (Hons) in Computer Science via GDSE

Module Code ITS1066

Professional Software Project in IT - Project Synopsis

IJSE STUDENT MANAGEMENT SYSTEM

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GDSE 63

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Background of the business

Institute of Software Engineering

IJSE is the only software engineering institute in Sri Lanka with more than 16 years of excellence, contributing more than 6000 highly capable software engineers to the IT industry. With decades of our experience, guaranteeing IT jobs for the younger generation, IJSE has paved the path for them to achieve countless possibilities for them.

With the guidance of Mr.Prasad Waduge (CEO) and Mr.Niroth Samarawickrama (Senior Lecturer/Training Director), IJSE has thrived to excellence becoming the only Software Engineering Education facilitators in Sri Lanka. With highly capable training panels rich in professional experiences from well-reputed companies, it's guaranteed that students are exposed to the latest technologies and concepts ensuring their foothold in the IT industry.

Mainly IJSE has 4 main Courses which are named CMJD, GDSE, RMAD, DEP. About 250 students are currently enrolled.

Extremely important documents can be easily damaged, lost, misplaced, or stolen at this institution because of the file-based work procedure. Due to the volume of data and paper materials required to locate staff and students, it is challenging to communicate notifications to them. It is challenging to lose crucial knowledge and teamwork during a fire or other natural disaster. All employees' and trainees' attendance are recorded regularly in this institute using file bases inventory.

-- No of Employees

- Chief executive officer
- Head of the Financial Department
- Head of the Academic Department
- Counselors
- Lectures(The count of lecturers can be increased).

-- Main services of the business / Main business processes

- Counselors can register new students for courses.
- Students can register through the counselor by choosing a suitable payment plan.
- Students can make their payments at the end of the month.
- Taking attendance of the students and monthly evaluating students' progress.
- The Chief Executive officer can manage courses and the employees in the institute.

- The Manager of the Academic Department sends timetables and messages are given to students via email.

--IT solution

The development of this new system includes the following activities that seek to digitize the entire process for a database integration approach. The system's rich graphical user interface provides a user-friendly system with various controls.

Admin can easily manage their employees' records using this system. Also, the user from the academic department can manage students' records and progress using this software solution. Using this software solution, the admin can have the ability to send updates and special news to employees and students with a single tap.

Student and employee details can be stored in the database of the client's computer. All information may benefit from high security as a result of the fact that no one can access the data without the client's consent.

Faster and more effective record-keeping, real-time access to financial data, and cost savings are all benefits of this system. This computerized system allows managers and counselors to retrieve details of the students efficiently and accurately. The security measures here enable the institute to protect its information.

-- Use case diagram

