**Proposed system**

* There should be 4 users using this application namely:-
* Administration(Head of school/principal),
* Teachers,
* Admission/HR and
* Accounts
* Create login for all above users. Make sure login is save from SQL Injections
* Administration Rights:-
* Create other users.
* Should be able to add/view/edit/delete student details
* Should be able to add/view/edit/delete class/section/subjects information.
* Should be able to view/edit/delete the employees details.
* Should be able to view students and employees attendance.
* Should be able to know to the income, expenditure and profit//loss from account.
* Should be able to view the report.
* Reporting includes:
* List of all the registered students. Report must search through name, admission academic year, class, gender
* List of all pass out/left student. Report must search through name, pass out/left student academic year, last class studied, result
* List of all the current employees. Report must search though name, joining date with range, department, gender
* List of all the ex-employees. Report must search though name, joining date with range, leaving date with range, department, gender
* List of students who have paid fee. Generate monthly report, class wise report.
* List of students who have not paid fee. Generate monthly report, class wise report.
* List of employees pay report with such columns monthly, incentives, bonus, gross pay deduction and net pay.
* List of all the present and absent students. Generate specific student report monthly report, class wise report, date range report, separately absent and present report(individual and class)
* List of all the present and absent employees’ attendance. Generate monthly report, date range report
* Should be able to view profit/loss monthly and yearly
* Teachers Right:-
* Mark student attendance.
* View classes assign to them.
* View list of students assign to them.
* List of all the present and absent students. Generate specific student report, monthly report, class wise report, and date range report, separately absent and present report (individual and class).
* Admission Rights:-
* Should be able to add/view/edit/delete student details
* Should be able to add/view/edit/delete class/section/subjects information.
* Should be able to view/edit/delete the employees details.
* Accounts:-
* Student fee payment.
* Update student fee payment status to paid and unpaid
* Employees pay slip include must monthly, incentives, bonus, gross pay deduction and net pay.
* Release employees pay slip
* Manage other school expenditures like inventory, utility bills
* Generate report for profit and loss

**Standard plan:-**

* Use of try/catch
* Use of Object-oriented programming concepts
* Every code block must be comment
* Code optimization.
* The logic of the program needs to be explained. Proper documentation should be maintained.
* Complete Project Report along with synopsis, code and documentation should be prepared

**Note:** Don’t forget to take your data backup every day. This will save your project work from the following:

a. Virus problem

b. System failure

c. File corrupt

Data Backup is an important event to be done on regular basis in a project management.

**Documentation:**

No project is complete without documentation. In fact, it is one of the most important activities during the development of a project. The documentation of an ideal project will be in the form of a project report comprising of the following documents:

* Certificate of Completion.
* Table of Contents.
* Problem Definition.
* Customer Requirement Specification.
* Project Plan.
* E-R Diagrams.
* Algorithms.
* GUI Standards Document.
* Interface Design Document.
* Task Sheet.
* Project Review and Monitoring Report.
* Unit Testing Check List.
* Final Check List.

**Deliverables**

You need to submit the following Deliverables:

* Hardbound Documentation of the project.
* You need to follow all the following points as a part of your

IProjects execution process and will carry **10 marks** in the final IProjects Result.

a) Send us IProjects status mail, after 10 days interval from your IProjects start date.

b) The status mail should consist of description with review document (what's going on the project). Also you can send your doubts / clarification or any additional inputs required to complete your IProjects any time during the project planning and execution.

c) At the time of project submission also send us the feedback along with your documentation (soft and hard bound copy). The Feedback form is attached with this mail.

***Remember*** *that the subject of your email should start either with the word STATUS: or DOUBT: or PROJECT SUBMISSION: accordingly.*

**Hardware/ Software Requirements**

**Hardware**

* A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
* 64 Megabytes of RAM or better
* Windows 7,8 (or higher if possible)

**Software**

**Either or combination of the following Software’s are to be used:**

* **Visual studio C# sharp**
* **SQL Server (Database)**