**Abstract**

School management systems have lately become quiet complex due to many technological integrations that have taken place especially the financial section where most of the transactions are currently online, and also the necessity for continuous interactions between the parents and the school which are to be simple and effective hence the goal is to design an efficient automated system for school management. Emphasis would be laid on the financial section where various hardships are encountered due to various factors. The major aim is to design a Web Application based on multi-tier architecture. It is designed to provide paperless functioning of various processes done manually like processing of fees, grading and redundant receipts which are to be maintained by a school. Features for analysis of the progress of the school financially and performance charts w.r.t. each student will be provided to have a statistical and pictorial analysis of even minor things that occur in a school which can help school management become simple.

**Introduction**

Before going into the details one must understand the hierarchical structure of the school to know which type of users the system would handle. Firstly it can be mainly divided into two groups for convinces lets call them academic and financial.

The head of the financial commitments is known as the correspondent of the school he approves and also verifies every important financial commitments such as concessions, reimbursements etc. He has a head registrar who is to verify the payment receipts of each payment, validates them and forwards them to the him in cases head registrar he also plays a role in giving the salary to the staff. The fee payments are accepted by a person known as the accountant who is responsible for updating the and maintain a record for the fee transactions that happen in the school.

The head of the academic group is known as the principal who heads and co-ordinates each and every academic related issues of the school. He as a direct interaction with the class teachers who are responsible for each class and the activities that are carried out by them. Class teachers are responsible for the students of a particular section and is the main point of interaction with the parents they play a role in maintain student academic records. Each section besides class teachers have subject teachers are responsible for their subjects and are to update and provide attendance and grade related information to the class teacher who inturn mediates them to the parents as well as the principal.

Keeping the above structure in mind the software is designed.

**Roles:**

Firstly we have an administrator who is responsible for the management of the software which is provided. The main and considerably only role of the administrator is to add the users who will be using the system ie only principals and correspondents and provided them which validation credentials, he further provides system support for system related issues.

Correspondent: Makes credentials for registrars and head registrar, he can also add teachers and students and should approve the staff added by head registar.

Head Registar and Registrars : They are responsible for adding students and teachers

Principal: Responsible for approving teachers.