**CS331 PROJECT – SCHOOL AUTOMATION**

**Vision**: School Automation is an online platform for making a paperless administration. It decreases the workload on the administrators and making transparency possible.

It is very difficult for a school administrator to effectively manage school documents!. A school with 500 students will typically be required to maintain 8-10 documents per student that’s upto 5,000 documents per student. It requires valuable real estate, man hours and financial resources.Schools need to consider from their current paper-filled buildings and become a virtually paperless school. This effort will the limit the amount of paper used in the school and environment.

**Features:**

Student Profiles :

* Student Information :

Name, Sex, Birth, Date, Birth Place, Address, Caste, Category, Photo, Medical Profile etc.

* Parent Information :

Father & Mother Name, Occupation, Mobile Numbers, Education, Family Type etc.

* Student Documents :

Progress Cards

* Academic Information :

Academic Year, Standard Class, Progress Cards, Attendance Information etc.

Online Admission

Parents will like the ease of being able to fill and update their child’s information from the comfort of their home or office computer at a time that is convenient for them.The entire online school registration process becomes simple and efficient.

Fees and Installments :

Parents can easily get the installment details and track the payment status.

Complaint Box:

Anyone can easily post the complaint anonymously.thereby improving the standards.

Analytical Reports:

Department of Education requires lot of information regarding schools and students from schools. It asks for such data in the form of reports at periodic intervals. According to our survey, 20% of this data is inaccurate or has incomplete information. Also, huge amount of cost, time and man hours are wasted in creating these reports.

**Software Architecture**: The project is using Node JS framework in Ubuntu OS

besides using HTML, CSS, JS for front-end and MySQL for back-end.

**Challenges and Risk**: The main challenging problem in the project is the creation of

environment and the packages (dealt before like POSTgreSQL is default in Django but we are

good in MySQL so creation of separate environment and necessary packages) as it is the most

time consuming task besides efficient database management system. The risk can be minimized by learning usage of environmental configurations.

By

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