

## Web Based Student Information Management & Analysis

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**Abstract:** Nowadays, maintaining records and information is Very crucial task in any field. However, managing a record of a particular student is a very tedious task as there are lumps of information which needs to be considered starting from student's attendance to their performance into tests/semesters and so on. Maintaining records of a student along with their overall growth in their curriculum and coordinating with their parents is quite difficult in real life. This study on "Web Based Student Information Management & Analysis" is to design and transform the way of searching, sorting and accessing the information for a student into electronic records which can be viewed not only by the students or their respective mentors but also by the parents. The existing system was studied and hence a computer- based website is provided to replace this manual method of reaching out to the parents of a student by a mentor.

**Keywords:** Analysis, Electronic Records, Searching, Student Information, Student Parent

### I. Introduction

Student information management & analysis with chat-box service, It is a web-based system to keep the records of students with extra functionality of chat box, this means students can access and view their marks, attendance and even the teachers can access, update and delete the student's overall academic and curricular details and also parents can only view the student's marks, attendance on a daily basis and the extra function mentioned chat box helps teachers, students and parents to interact with each other. The system serves provides a student with the capability of accessing his/her examination results, attendance on a server. It provides a teacher with detailed information about every individual student and can access, view, delete, update the information of students.

### II. Problem statement

The approach is to bridge the gap between student, teacher and parent interaction. This project gives an overview of student's academic and curricular performance evaluation for the mentors as well as for the parents. It gives maintain records of student's overall database to keep updated about every individual student. This results convenience time saving. And through interaction between parents and teachers, parents will get to know exactly about their child progress in their academic as well as curricular phase and even if there is any difficulty for teachers if they want to inform students about some assignment dates, submission dates and talk to any individual student can be resolved.

### III. Literature Survey

According to our survey, Student Information Management System can be used by educational institutes or colleges to maintain the records of students easily. The creation and management of accurate, up-to date information regarding a students' academic career is critically important in the university as well as colleges. Student information system deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details, placement details and other resource related details too. It tracks all the details of a student from the day one to the end of the course which can be used for all reporting purpose, progress in the course, completed semesters, years, coming semester year curriculum details, exam details, project or any other assignment details, final exam result and all these will be available through a secure, online interface The personal student-faculty relationship is important in which it helps students to feel that they are having benefit from individual advice and encourages them to give more thought to their career choices. Other benefits are, an increase in research productivity and improved college performance. And by analysis the faculty will have a clear image of every individual student as a growth in student's overall performance.

### IV. How The System Works

Student information management & analysis with chat box service, It is a web-based system to keep the record of students with extra functionality of chat box, this means students can access and view their marks, attendance and even the teachers can access, update and delete the student's overall academic and curricular details and also parents can only view the student's marks, attendance on a daily basis and the extra function

mentioned chat box helps teachers, students and parents to interact with each other. The system serves the following advantages compared to the existing systems (1) It provides a student with the capability of accessing his/her examination results, attendance on a server (2) It provides a teacher with detailed information about every individual student and can access, view ,delete, update the information of students (3) It provides with the analysis of student’s overall academic records (4) It removes the communication gap between parents and teachers by adding an extra functionality of chat box to communicate with each other if any queries.

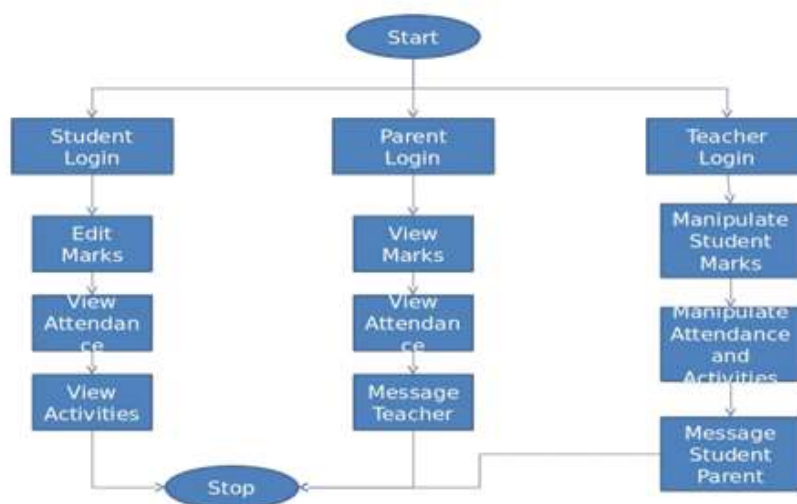


FIG .4.1

### V. Methodology

1. Staffs Login: In this module staff can login and access the system and enter student’s marks, attendance and the also information about the activities in which student participated. Staff can also message student’s parent regarding the performance of the student.
2. Students Login: In this module student can login and access the system and add, view and update marks.
3. Parents Login: In this module parent can login and access the system and view student’s marks, attendance and the also information about the activities in which student participated. Parent can also message teacher regarding the performance of the student.
4. Marks: This module consists of external examination marks, term work and practical performance marks of all semester from first year to final year.
5. Attendance: This module consists of student’s attendance of all semester from first year to final year.
6. Activities: This module consists of activities in which student participated from first year to final year.
7. Message: In this module teacher and student’s parent can communicate regarding the student’s performance through message.
- 8.Reporting: In this module teacher and student’s parent can view student’s performance.



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