Project Reference Number: 46S_BE_2296

Title of the project: ONLINE PATASHALA

Name of the College & Department: Cambridge Institute of Technology

Computer Science and Engineering

Name of the Students & Guide:

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Keywords: students' enrollment, event notification, attendance, event notification, online message.

1. INTRODUCTION

Online Patashala helps admin/teachers to get the most accurate information to make more effective decisions. Teachers and headmasters gain time saving administrative tools, parents gain immediate access to their children's grades and students can track their own progress. This application equipped features makes it possible to generate schedules and reports in minutes and to retrieve attendance records, grade checks, report cards, transcripts, and form letters in just a few clicks. This Application helps Teachers to complete grade book, track students' attendance, input class notes, create lesson plans and detailed reports, and communicate with other staff members, students, and parents all via messaging. It also helps Students to access assignments and tests, and view attendance records, grades, report cards, and progress reports all online.
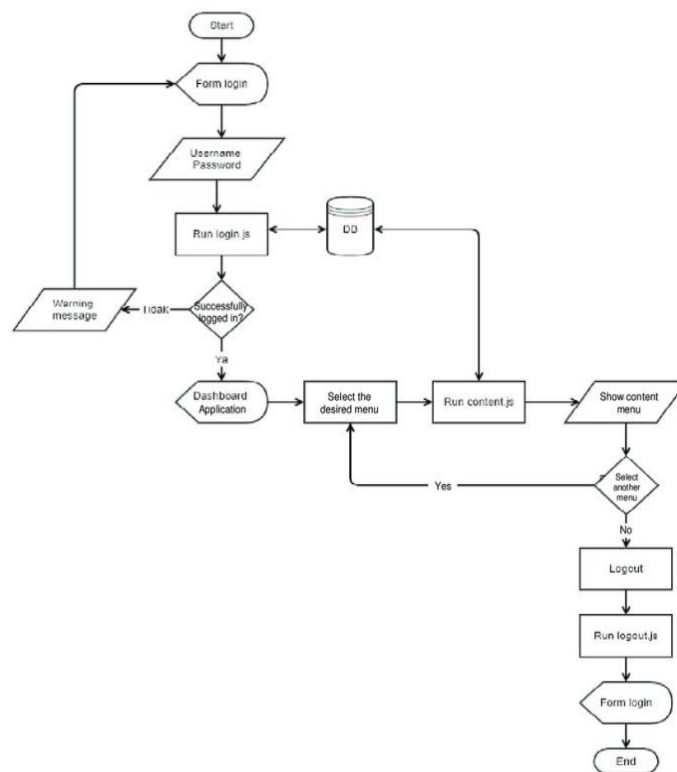
E- learning is a learning system which provides education through electronic media with the help of internet and electronic devices. It is a new trend which emerged when internet and the use of electronic devices became popular. Though it had come into existence earlier, it was not that much popular as traditional learning. E- learning is of much advantages because of

ease in access and availability. It could be accessed at anytime from anywhere with the help of internet and an electronic device. The purpose of learning is to provide the required knowledge to the student. It is served here. He/she gets what they need from this platform. Just as a student interact with a teacher directly.

2. OBJECTIVES

- To understand the concept of E learning to examine the type of E-learning.
- To study current state of e learning in rural India.
- Develop the quality of learning and teaching by Online Education
- It allows children to understand policies, rights, laws from the young age which will be helpful in the future.
- Connecting to trusties for sponsorship.
- Virtual Training for teachers from Urban education boards to improve the skills News forum for knowing happenings to them Connecting Urban school who are interested for helping them in conducting activities Messaging system called Problem box to get issues faced by students.

3. METHODOLOGY

Application Flowchart

4. PROJECT FEATURES

- Multi Login
- Student Management.
- Teacher Management.
- Attendance Management
- Salary Management
- Payment Management
- Timetable Management
- Exam Management
- Petty Cash Management
- Event Management
- Notification Management
- Online Chat
- Classroom Management
- Grade Management
- Subject Management

5. MODULES

5.1 Login Module: –

- This will help users to login into the system using institute id and password. A user who has the valid id and password can only log in to their respective accounts.
- It will help the authentication of the user who enters the system. The module provides a layer of security over the system as only authorized personnel can login into the system.
- This prevents any anonymous person to enter the system and mishandle the records. It is better than the manual method as they do not have any security measure of who can access the system and who cannot.

5.2 Registration Module: –
- In this module, the student will get registered as it is new in the educational institute. It will be formed like a structure where all the student details will be filled.

- It will have the fields regarding their personal information like date of birth and address along with that it will also ask its professional details of previous education if it has.

- As this module is present online, the student can register them from anywhere on the internet is present. After registration information will go to the admin for authentication.

- This module will reduce the hectic task of taking multiple forms from the institute and filling them carefully as any mistake will lead to getting new sets of the forms.

5.3 Course Module: –

- Each student will be able to select various courses present in the system. It will be published by the administrator under the specific department.

- Every course has the qualification criteria, it will be available to those students who are eligible for it. The student will pick the course from the given choices according to his/her interest.

- It will be added to their professional information details. All the courses will be handled by the department assigned to them by the administrator.

5.4 Assignment Module: –

- As every course has an assignment that will be given to the student to complete. Based on these assignments every student will be awarded the marks. The assignment can of the various types which will be provided to the student. The student will be able to access the assignment given by the department that handles the course.

- The user will also be able to check the marks he/she got in each exam. Department can also able to differentiate the assignment into various categories like quizzes, essays, or report writing. This helps in making the studies more vibrant for the students.

5.5 Attendance Module: –

- This module is one of the essential parts of the system as this will act as the official document of student presence in the institution. It will show the attendance of the student in every course.

6. SYSTEM DESIGN

Once the planning and analysis of the project are completed, the design phase begins. The goal of system design is to transform the information collected about the project into the blueprint structure which will serve as a base while constructing the system. It is an unwieldy process as most of the errors are introduced in this phase.
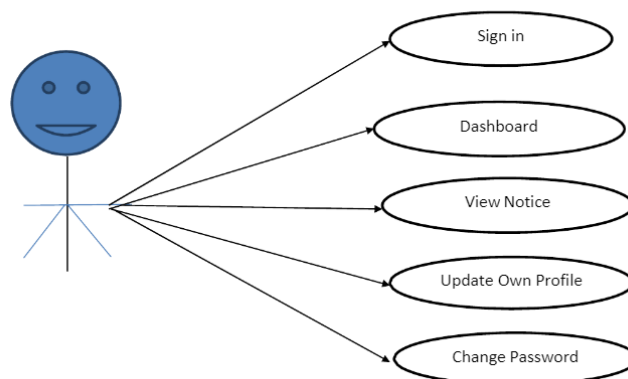
However, if an error gets unnoticed in the later process it may become difficult to track them down. In our system, we are developing a system that helps in student management by the institution. It will minimize the problems faced by both students and the institutes for the duration.

Requirements

- PHP 5.5
- MYSQL 4.6
- Text Editor Software
- Language: PHP
- Databases used: MySQL
- Design used: HTML JavaScript, Ajax, JQuery, Bootstrap
- Browser used: IE8, Google Chrome, Opera Mozilla
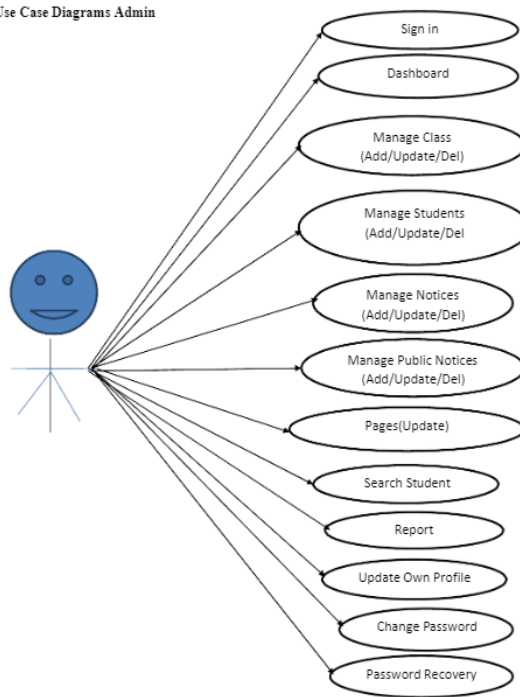- Software used: WAMP/ XAMPP/ LAMP/MAMP
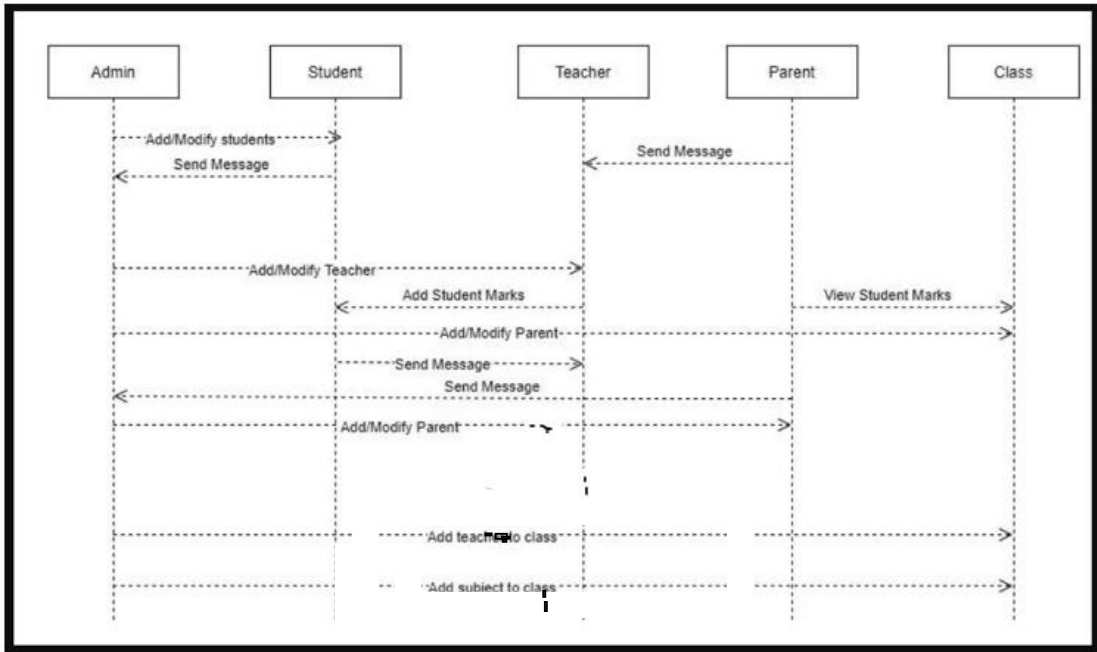
7. USE CASE DIAGRAM

For Student

For Admin

Use Case Diagrams Admin

- Sign in
- Dashboard
- Manage Class (Add/Update/Del)
- Manage Students (Add/Update/Del
- Manage Notices (Add/Update/Del)
- Manage Public Notices (Add/Update/Del)
- Pages(Update)
- Search Student
- Report
- Update Own Profile
- Change Password
- Password Recovery
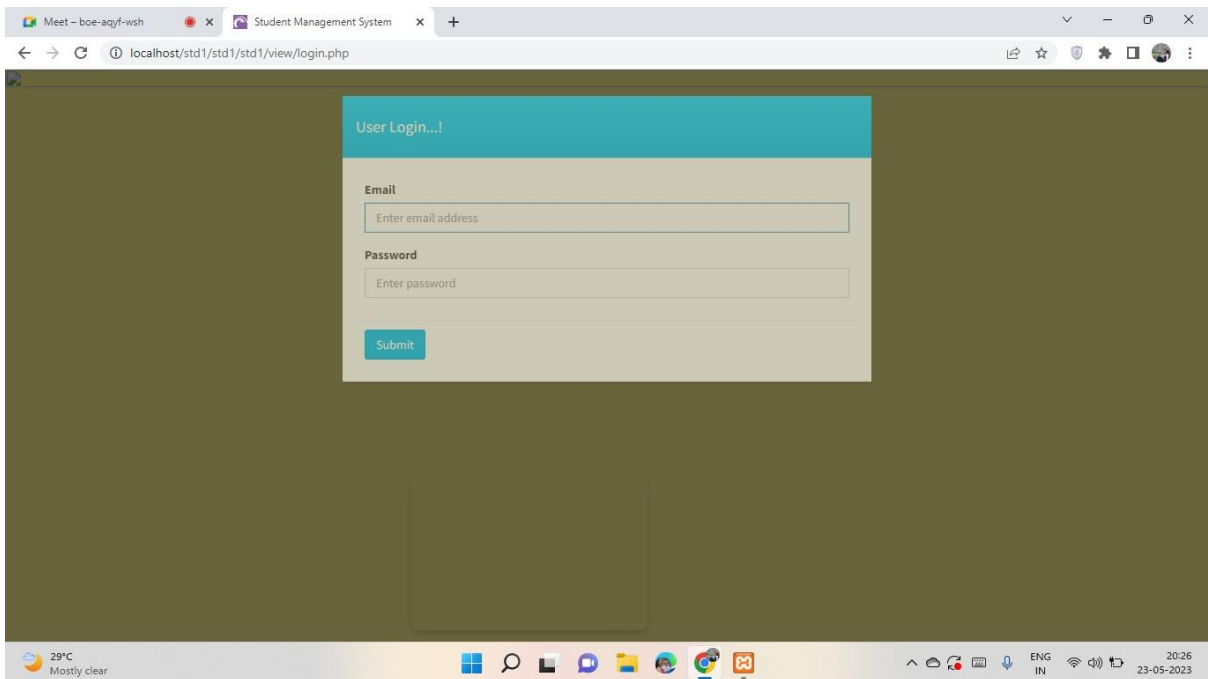
8. SEQUENCE DIAGRAM
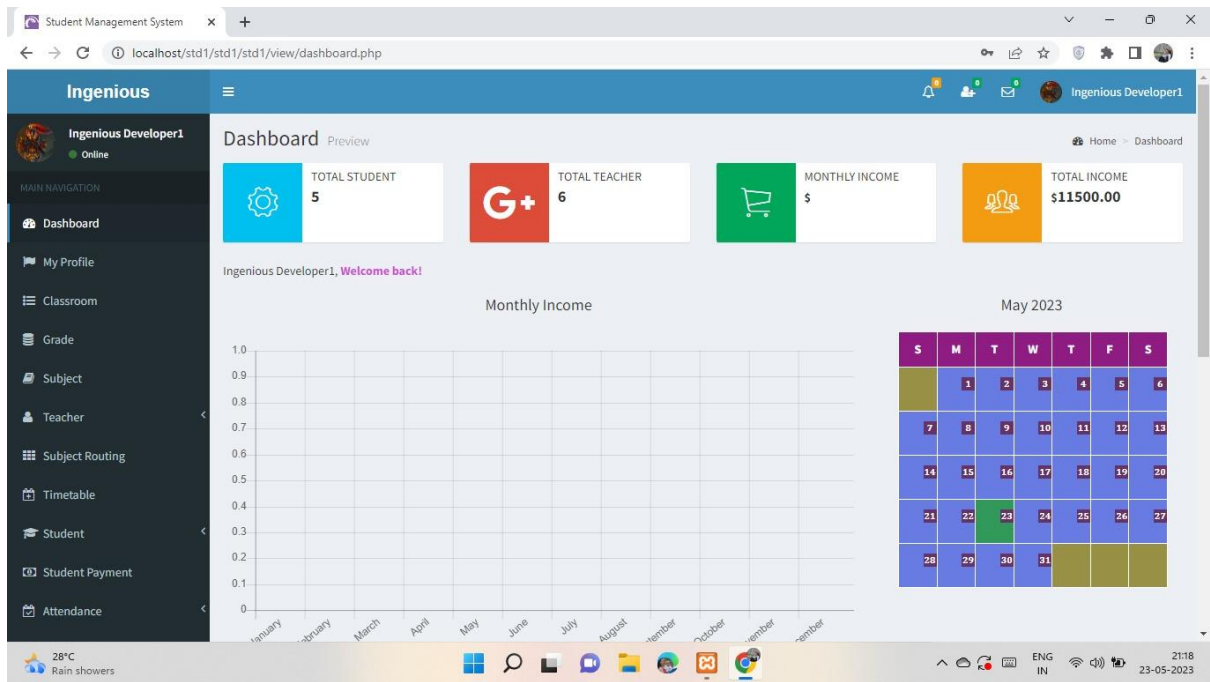
9. RESULTS AND CONCLUSION

Fig 1: Login page

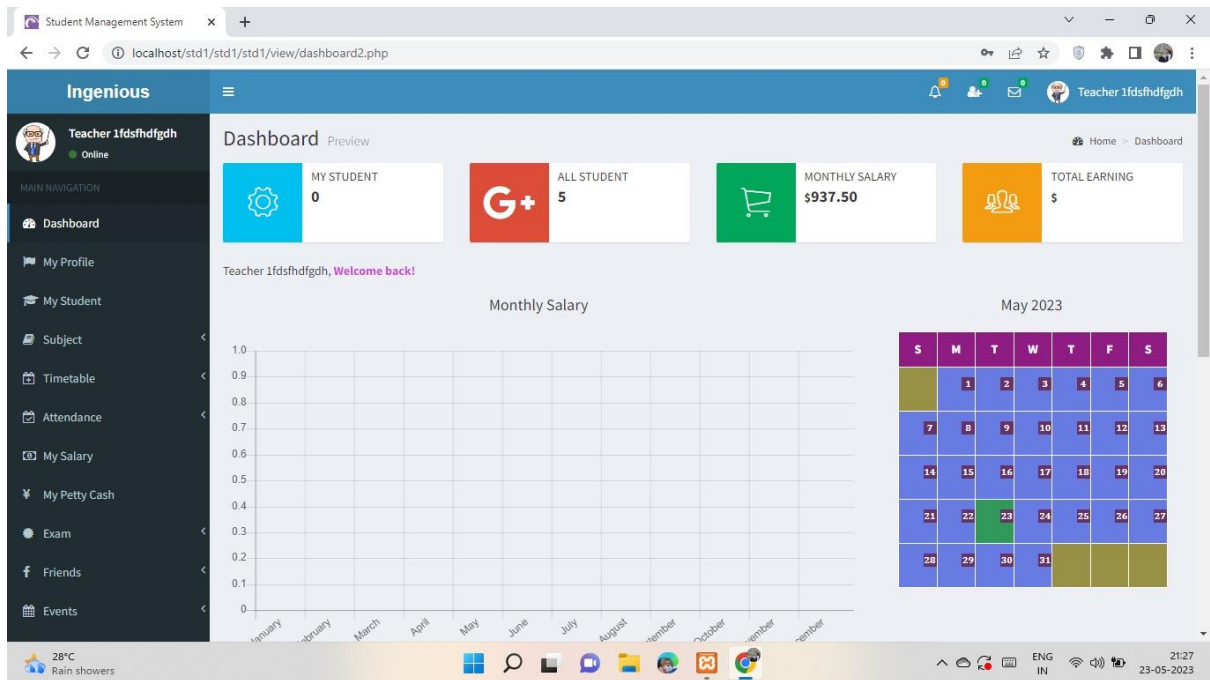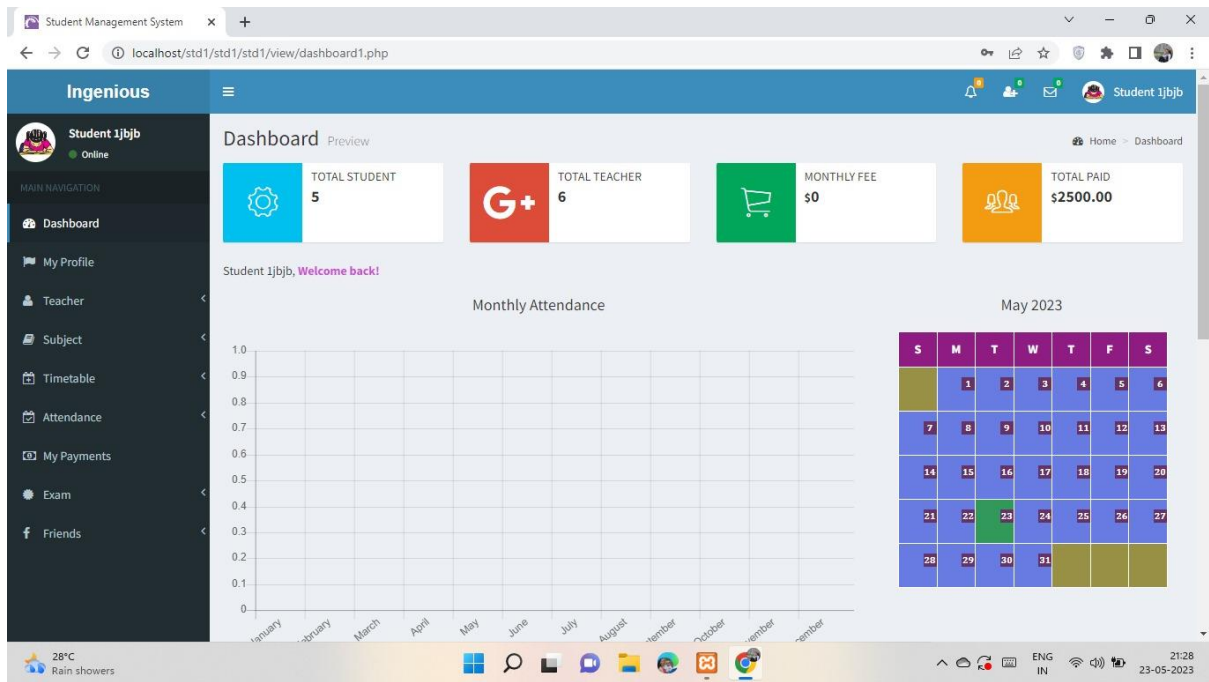Fig 2: Admin Dashboard
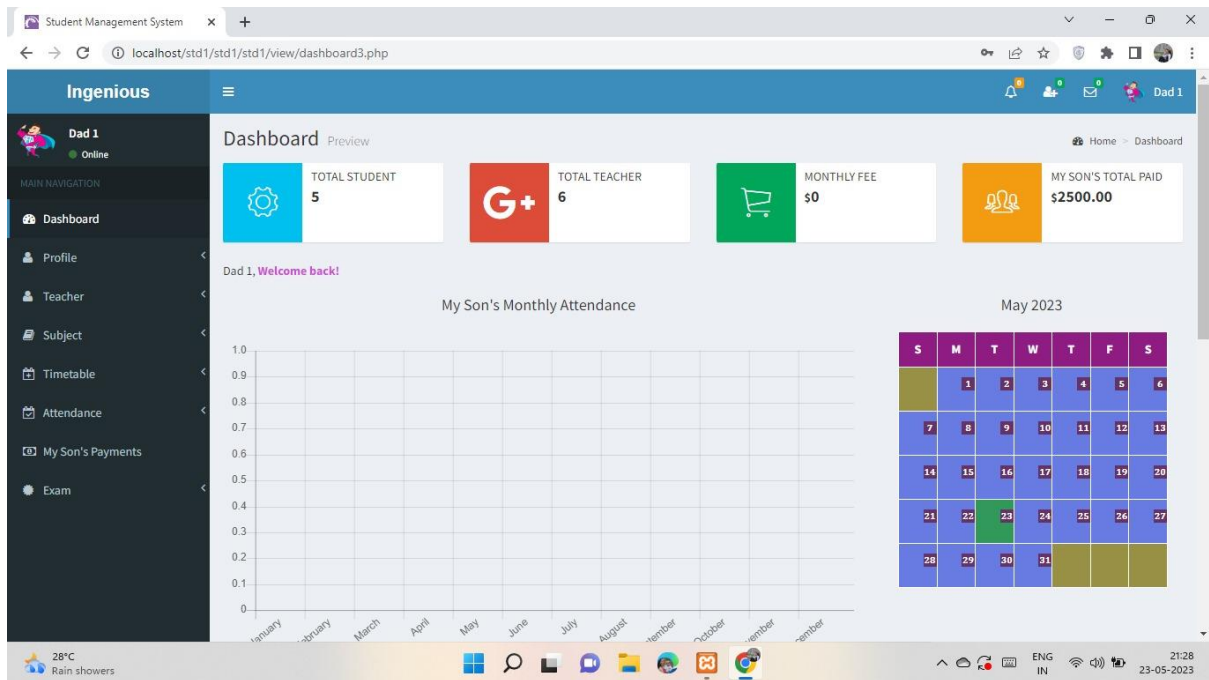

Fig 3: Teacher Dashboard

Fig 4: Student Dashboard

Fig 5: Parent Dashboard

CONCLUSION

In conclusion, Online Patashala plays a crucial role in modern educational institutions by streamlining administrative tasks, improving efficiency, and enhancing communication and

organization. By utilizing advanced software and technology, these systems offer a comprehensive solution for managing various aspects of school operations. One of the key benefits of this application is its ability to centralize and automate data management processes. It enables the efficient storage and retrieval of student information, attendance records, grades, timetables, and other essential data. This not only reduces manual paperwork but also facilitates easy access to information, enabling administrators, teachers, and parents to make informed decisions. Additionally, this application enhances communication and collaboration between different stakeholders within the school community. Features like parent-teacher communication portals, online learning platforms, and real-time notifications enable effective and timely communication, fostering better engagement and involvement of parents in their child's education.

10.FUTURE SCOPE

In summary, the future scope of E-learning involves advancements in mobile accessibility, AI and analytics, virtual classrooms, IoT integration, parent engagement, integration with other systems, personalized learning, and enhanced security measures. These developments aim to provide more efficient, personalized, and secure management solutions for educational institutions, promoting improved educational outcomes.