



Management of teaching and learning resources application

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Abstract- Mobile phones are widely used in today's society, as is well recognized. In the modern world, usage of mobile devices is fast growing. As is well known, many schools and institutions were shuttered during COVID-19, which caused students to receive their education online. There are numerous issues that affect both students and teachers during online learning, such as improper note-taking and improper attendance tracking. To solve this issue, we have developed a smartphone application. The project's major goal is to make it simple for any fourth-year student who wants to study third-year courses to use our college notes to get ready for any other exam. Our application is distinctive because it also has a biometric attendance system facility. In our application, there are two dashboards: an admin dashboard and a student dashboard. The administrator in this case is the college's HOD, who properly controls and uploads all of the notes and books from any location at any time. Students get access to their books and notes from any location at any time, as well as their attendance history. Any student can access the notes from every semester using this application only. All of the learning resources, including notes from our professors, books recommended by our honorable teachers, and certain important notices, are accessible in our application.

Index Terms- Mobile learning, classroom management, proper notes, biometric attendance, learning resources.

Since the COVID-19 epidemic began in 2020 and reduced face-to-face teaching opportunities for many educational institutions worldwide, e-learning has experienced significant development. The management of classrooms, parent communication, and student learning are all currently accomplished using mobile applications (apps). Although teachers have admitted that they are not familiar with the methods that can support their choice of applications for effective use with students, they have appreciated direction for such evaluations. As we know, many problems are faced by the students during the Covid 19 times that students don't get the proper notes from their professors. And also the main objective of the "Management of teaching and learning resource" is to provide the proper notes to every student of each semester even after they pass the semester examination. And also, there is a facility of biometric attendance system in this mobile application which makes it unique from other applications. In this application there are two dashboards, the first one is the admin dashboard and the second is the student dashboard. The admin dashboard is accessed by the HOD of the department and all the important notes and valuable books are managed and uploaded by the HOD of the department. Students can access the notes and books anytime from anywhere and also can check their attendance record.

I. INTRODUCTION

The use of Educational Apps is increasing every day, and the population is starting to use them at a younger age. Digital resources can be created, managed, and distributed using a variety of learning management systems (LMSs) for both in-person and online teaching.

II. THE GOAL AND SCOPE OF THE RESEARCH

The primary goal of this study is to determine "whether students receive the appropriate notes and books from their particular faculty or not." and also offer greater resources through the application for appropriate notes,

books, and many more. The purpose of this research paper is to assist the reader in solving their own problems.

III. STUDIES AND FINDING

In this research study, five research questions were formulated. The findings will thus be discussed in the context of the research questions.

RQ1: *How useful are the information and skills acquired through our application "Management of teaching & learning resources"?*

The usefulness of the information and skills acquired through a management of teaching and learning resources application will depend on a number of factors, including the specific content and structure of the application, the needs and goals of the user, and the context in which the information and skills will be applied.

In general, however, managing teaching and learning resources can be a valuable skill for educators and others involved in education, as it involves organizing, selecting, and making effective use of various materials and resources to support student learning.

RQ2: *Do both students and educators receive useful input from our application, "Management of Teaching & Learning Resources,"?*

Both students and educators can potentially receive useful input from a management of teaching and learning resources application. The specific content and structure of the application will determine the specific types of input that are provided, but in general, such an application may provide information and guidance on how to effectively organize, select, and use various teaching and learning resources to support student learning.

For students, this may involve learning how to access and use various resources, such as textbooks, online course modules, and multimedia materials, in order to support their own learning and understanding of course content.

For educators, a management of teaching and learning resources application may provide information and guidance on how to effectively select and use a range of resources to support student learning, including both physical and digital resources. Educators may also learn about how to use technology and other tools to support the management and delivery of teaching and learning resources, and how to effectively assess the impact of these resources on student learning.

RQ3: *Does our application work well in enhancing students' access to and focus on learning?*

There are several ways in which a management of teaching and learning resources application may be able to help enhance student access to and focus on learning:

Providing access to a range of resources: By providing students with access to a variety of resources and materials, such as textbooks, online course modules, and multimedia resources, a management of teaching and learning resources application can help to support student learning and understanding of course content.

Offering guidance on how to use resources effectively: A management of teaching and learning resources application may provide students with guidance on how to effectively use the resources and materials that are available to them in order to support their learning. This may include strategies for taking notes, reviewing material, and completing assignments and projects.

Promoting student engagement: A management of teaching and learning resources application may include features or activities that are designed to promote student engagement and motivation, such as interactive learning activities, collaborative projects, and opportunities for students to ask questions and seek feedback from instructors and peers.

Using technology to support learning: Many management of teaching and learning resources applications make use of technology, such as learning management systems and other educational software, to help support student learning. This may include tools for organizing and accessing resources, as well as tools for communication and collaboration.

RQ4: *Does our application "Management of Teaching & Learning Resources" makes it simple to communicate with both students and educators?*

Management of Teaching & Learning Resources (MTLR) applications are designed to facilitate communication between students and educators in a variety of ways. These may include:

Online forums or discussion boards: These allow students and educators to communicate with each other in real time, either as a group or one-on-one.

Email or messaging: Many MTLR applications include email or messaging functionality, which allows students and educators to communicate with each other directly.

Video conferencing: Some MTLR applications include video conferencing capabilities, which allow students and educators to hold virtual meetings or classes.

Announcements and alerts: Many MTLR applications allow educators to send announcements or alerts to students, either individually or as a group, to keep them informed about important updates or events.

Overall, MTLR applications can help streamline communication between students and educators, making it easier for both parties to stay connected and engaged in the learning process.

RQ5: *What are the Students limitations towards using our application "Management of Teaching & Learning Resources"?*

There are several limitations that students may face when using Management of Teaching & Learning Resources (MTLR) applications. These may include:

Accessibility: Not all students may have equal access to MTLR applications or the technology required to use them. This can create barriers for those students who may not have access to a computer or internet connection, or who may have physical or learning disabilities that make it difficult for them to use certain types of technology.

Digital literacy: Students may also face challenges if they are not familiar with using technology or if they lack the digital literacy skills needed to effectively use MTLR applications.

Time and motivation: Using MTLR applications can require a significant investment of time and effort, and some students may struggle to stay motivated or to keep up with the demands of their coursework.

Technical issues: MTLR applications can sometimes experience technical issues or glitches that can disrupt students' ability to access or use them.

Overall, while MTLR applications can be a useful tool for students, it is important to recognize that they may not be suitable for everyone and that there may be limitations and challenges that students may face in using them.

IV. CONCLUSION

Online learning is a distance learning approach that does not require the learner to be physically present in the traditional classroom. Information and communication technologies (ICTs) are used in this system to effectively deliver the material to remote places. We now live in a technological age, and technology has the power to alter our reality. We decided to develop an application that addresses this issue because many college students have trouble studying because they can't find the proper content or it doesn't arrive on time. Users of this app can effortlessly learn on their smartphones while receiving regularly updated content from the college's instructors. We use cutting-edge technologies to build this

application. At this stage, we are adding some features that are essential, and in upcoming updates, we'll also be introducing some new features. We chose to create this application because we had seen numerous research articles where students were having issues of this nature.

V. REFERENCES

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