The Pharma Innovation Journal 2019; 8(3): 557-560

www.ThePharmaJournal.com

The Pharma Innovation

ISSN (E): 2277- 7695
ISSN (P): 2349-8242
NAAS Rating: 5.03
TPI 2019; 8(3): 557-560

www.thepharmajournal.com
Received: 13-01-2019
Accepted: 16-02-2019

Aakansha Gaur
Assistant Professor, Computer Science & Engineering, Lingaya's Vidyapeeth, Faridabad, Haryana, India

Correspondence
Aakansha Gaur
Assistant Professor, Computer Science & Engineering, Lingaya's Vidyapeeth, Faridabad, Haryana, India

Revolutionizing road safety strategies to minimize vehicle accidents

Aakansha Gaur

DOI: https://doi.org/10.22271/tpi.2019.v8.i3j.25391

Abstract
Educational institutions have recently come to understand the value of student input in enhancing the entire teaching and learning process. A cutting-edge web tool called the Online Feedback System (OFS) was created exclusively for schools and colleges to use for online student feedback. The OFS aims to offer a comprehensive feedback system that satisfies the requirements of both teachers and students.
Teachers and administrators can quickly create, examine, and give summaries and pages of teacher feedback using the OFS. The system is accessible to all college students and staff, and it allows students to rate their happiness with their professors.
One of the key benefits of the OFS is its efficacy. Using the online feedback system, students can quickly and easily provide feedback on their lecturers and courses. This provides the pupils more time while also allowing the school administration to assess the results more swiftly.
Additionally, the OFS offers feedback evaluation in accordance with specific requirements. This makes it possible to adapt the system to the particular needs of the school or college, ensuring that the feedback obtained is pertinent and helpful. Additionally, the system gives teachers the choice to receive student feedback that is anonymous, promoting open dialogue between educators and students.
The OFS's capability to provide efficient feedback analysis for both students and staff is another key feature. The system offers in-depth reports and analytics, giving teachers and administrators valuable insights into student satisfaction and areas for improvement. This data can be used to identify patterns and trends in student feedback, allowing schools and colleges to make data-driven decisions that enhance the teaching and learning experience.

Keywords: Feedback, management, system, project, educational

Introduction
In today's digital age, the importance of learning has become increasingly evident. As a result, academic institutions have seen a surge in the popularity of college courses. However, with the increase in student enrolment, the need for a reliable and adaptable system for delivering academic feedback online has become more crucial than ever before. The Java-based Feedback Management System seeks to address this pressing need by taking into account institutional and educational practices and processes while addressing student complaints about the depth of knowledge they acquire. The Java-based Feedback Management System is designed to establish a positive relationship between students and their learning environment, as well as between students and their teachers [1]. This system plays a vital role in ensuring that students receive appropriate feedback and that their learning needs are met. To achieve this objective, we have created a 'Faculty Feedback System' that provides a convenient and consistent way for students to provide feedback to the college's Head of Department (HOD) or principal [2]. This online system, acting as a service provider, enables students to give feedback about their experience with faculty members, including their teaching style, effectiveness, and availability. The Faculty Feedback System serves as a vital tool in enhancing the quality of education. It promotes communication between students and teachers, helps to identify areas for improvement, and enables educators to address concerns in a timely and efficient manner. By fostering a culture of openness and transparency, the Faculty Feedback System ensures that students receive the best possible education and that teachers have access to valuable insights that can help them improve their teaching methods. One of the key advantages of the Java-based Feedback Management System is its adaptability. This system can be easily integrated into an institution's existing infrastructure, allowing educators to leverage their existing resources and technologies. Additionally, the system is highly

customizable, allowing institutions to tailor the system to their specific needs and requirements. This flexibility ensures that the system can evolve and adapt over time, as the needs of the institution and its students change [3]. The Java-based Feedback Management System also promotes efficiency by automating many of the processes associated with academic feedback. The system allows students to provide feedback quickly and easily, without the need for paper-based forms or in-person meetings. Additionally, the system enables educators to access feedback in real-time, allowing them to respond to student concerns promptly and effectively. Another advantage of the Java-based Feedback Management System is its scalability [4]. The system can accommodate an institution's growth, whether that be an increase in student enrolment or the addition of new departments and programs. The system's scalability ensures that the institution can continue to provide high-quality education while accommodating changes and growth. In conclusion, the Java-based Feedback Management System is an essential tool for academic institutions seeking to enhance the quality of education by promoting communication between students and teachers, identifying areas for improvement, and addressing concerns in a timely and efficient manner. The system's adaptability, efficiency, and scalability make it an ideal solution for institutions seeking to implement an effective academic feedback system that can evolve and adapt over time. With the Java-based Feedback Management System, academic institutions [6]

Literature Survey

A. Existing System

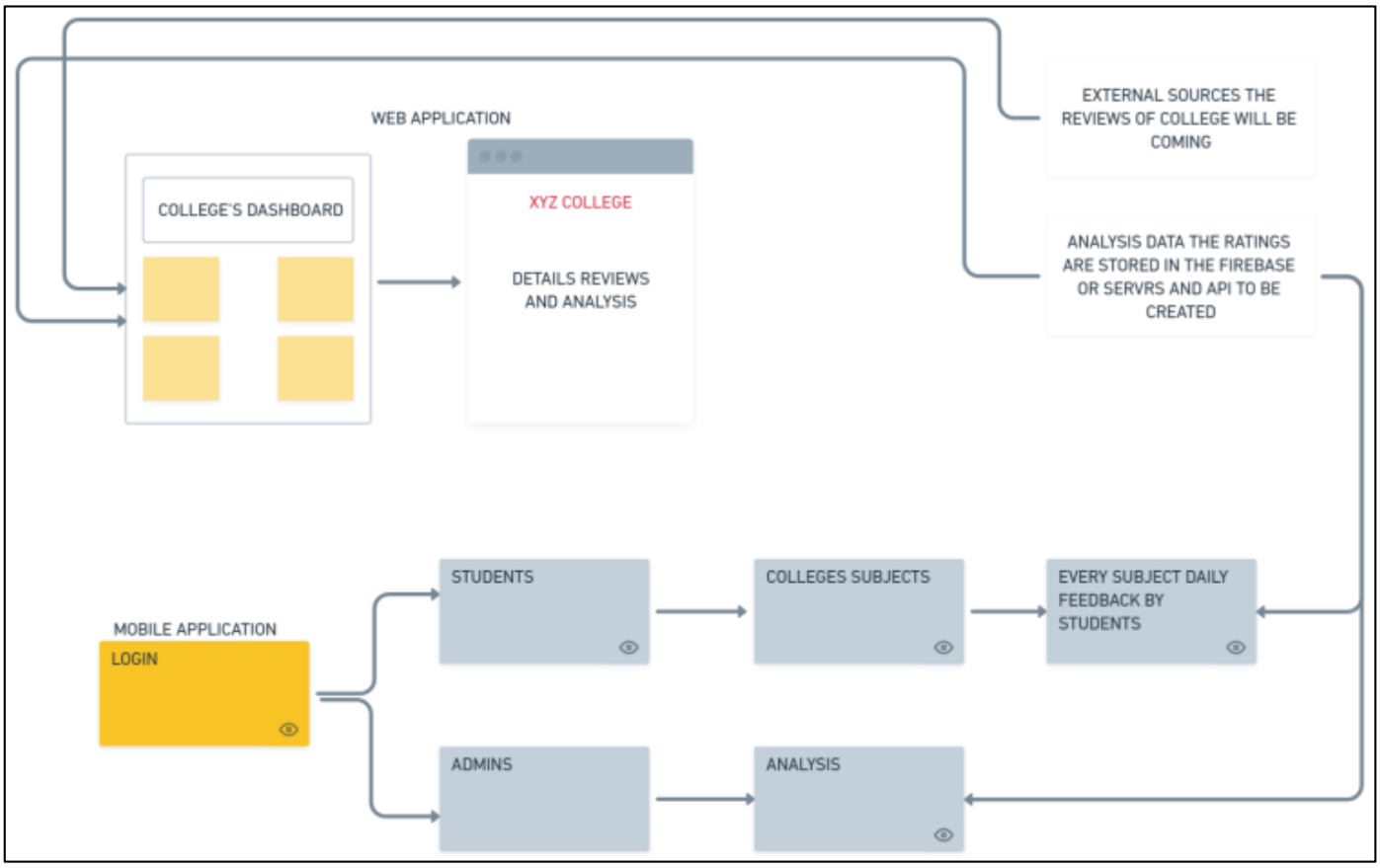
The existing systems for collecting and analysing feedback from college and university students vary in their features and functionality. However, there are some common limitations that can impact the effectiveness of these systems. One limitation is the time-consuming process of collecting feedback. As mentioned, existing systems often require students to fill out online forms or use user-interfaces, which can be tedious and time-consuming. This can result in lower response rates and potentially biased feedback, as students may not be willing to take the time to provide comprehensive feedback. Another limitation is the lack of customization options. While some systems allow for the creation of custom surveys and reports, many are limited in their ability to adapt to the specific needs of the college or university. This can make it difficult to collect feedback on specific aspects of the teaching and learning experience that may be unique to a particular institution. Additionally, existing systems may not offer real-time feedback and analytics, which can hinder administrators' ability to take timely and effective action to address issues raised by students. Despite these limitations, the existing systems for collecting and analysing feedback from college and university students are an important tool for improving the quality of education [8]. They provide a means for students to voice their opinions and concerns and for administrators to identify areas for improvement. As technology continues to advance, it is likely that feedback systems will become more sophisticated and user-friendly. This could include the integration of artificial intelligence and machine learning algorithms to analyse feedback data and provide real-time insights to administrators. Overall, the existing systems for collecting and analysing feedback from college and university students have the potential to be a valuable tool for improving the quality of education. However, there is still room for improvement, particularly in terms of customization options, response rates, and real-time feedback and analytics [5].

B. Proposed System

In order to enhance the learning experience of college and university students, we are creating an Android app that will allow them to give feedback on their lectures and courses on a daily basis. The data collected through the app will be stored on Firebase server, which will then be analysed to provide valuable insights and suggestions for the betterment of the students. The app will have a landing page with a card view that provides four options: Login as a Student, Login as an Admin, a chat room for future proposed features, and an option to provide feedback. When a student logs in, a new page will open where they can add feedback on a daily basis, and the feedback will be saved and accessible to anyone using the app. This will allow the heads of the institution to easily identify the strengths and weaknesses of their faculty members and courses [7]. The app provides a complete feedback environment, and there are many potential features that could be added in the future to enhance its functionality. For example, we propose the integration of AI technology to provide personalized suggestions to students and teachers based on their feedback data. We also suggest the creation of a chat room where students can provide suggestions and directly communicate with the managing authority. In developing this app, we are using Java, an object-oriented programming language that runs on the Java Virtual Machine. We are also utilizing Firebase, a Google-owned platform that provides real-time database, authentication, hosting, and other services. Android Studio is being used to develop the app's user interface and integrate various modules and functionalities. With this app, we hope to provide an efficient and comprehensive feedback system for college and university students that can be customized to the specific needs and requirements of different institutions. The data collected through the app will allow for data-driven decision making and help to improve the overall quality of education. Additionally, the proposed future features, such as AI integration and a chat room, will further enhance the functionality and usability of the app for both students and faculty members.

C. Future Proposed

In the future, the feedback system for college and university students will be further enhanced with the integration of AI technology. This will allow for the provision of personalized suggestions to both students and teachers based on their specific feedback. Additionally, a chat room section will be added to facilitate real-time communication between students and faculty members. Furthermore, a website will be developed to provide API access to the feedback data collected through the app. This will allow colleges and universities to use the system according to their specific needs and requirements, with their data being analysed to provide more accurate insights [9]. The proposed website will also provide comprehensive information on different colleges, including details that are not typically available on other websites. This will allow students to make more informed decisions about their higher education and increase their chances of getting into better colleges.



Methodology

The proposed system is an android app and will be a web application also that will be developed using a combination of programming languages, frameworks, and libraries. The development process will be divided into several stages:

Requirement gathering: This stage involves understanding the requirements of the system and identifying the features and functionalities that need to be implemented. This will be achieved through surveys of students and faculty members.

System design: This stage involves creating the architecture of the system, defining the data model, and designing the user interface. Tools such as UML diagrams and wireframes will be used to create a blueprint of the system.

Development: This stage involves coding the system using Java, Android Studio, and Fire Base. A glide library will also be used, which will store the data. Tailwind and CSS will be used for the frontend design for web applications and for Android we use android studio XML to design the layout of apps on mobile [11].

Testing: This stage involves testing the system for bugs, errors, and inconsistencies. Different testing techniques such as unit testing, integration testing, and acceptance testing will be employed to ensure the system's quality.

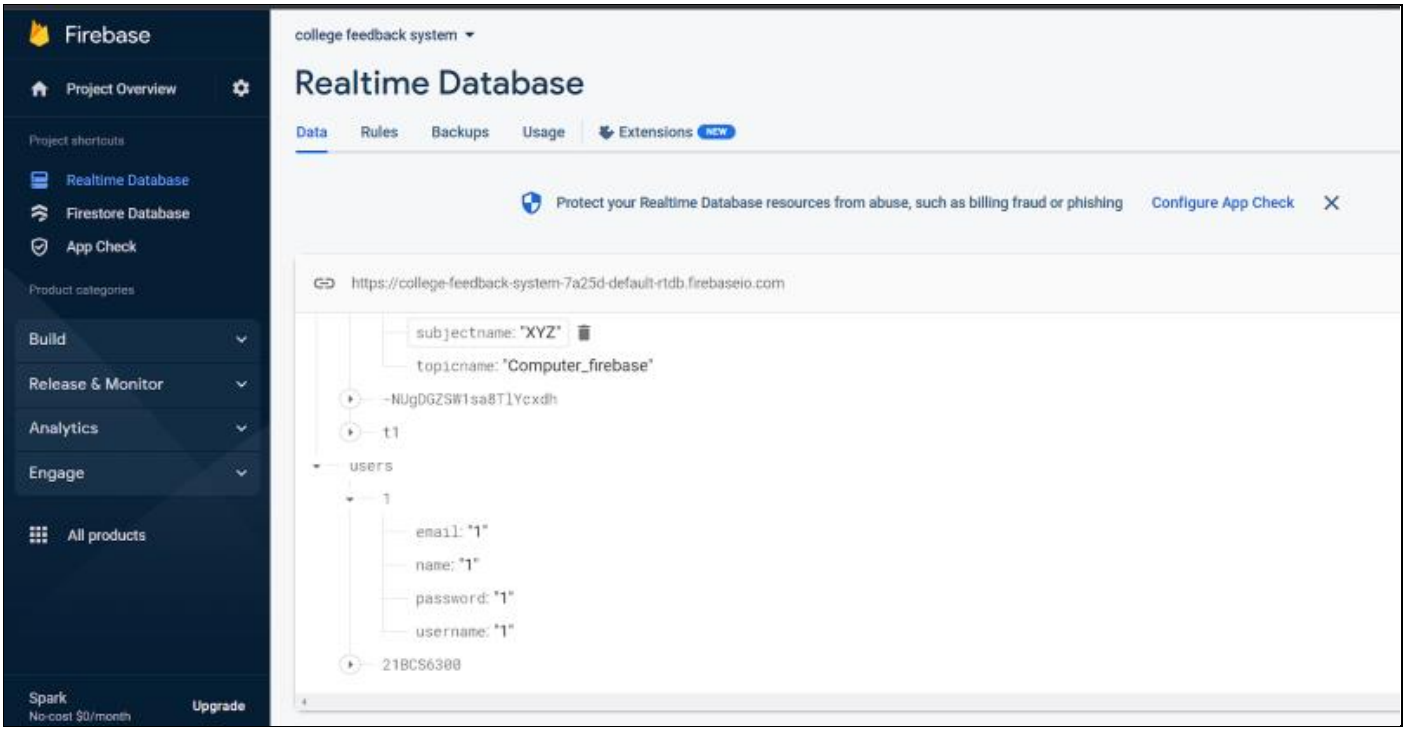
Deployment: This stage involves deploying the system on a server, making it accessible to students and faculty members Firebase will be used for hosting, real-time database, and authentication.

Maintenance: This stage involves maintaining the system, fixing bugs, adding new features, and updating the system to meet changing requirements. The maintenance will be done regularly to ensure the system remains functional and effective [10]. The methodology will be iterative, meaning that the development process will involve continuous feedback and improvement. Feedback from students and faculty members will be taken into account and incorporated into the system to enhance its effectiveness and usability.

Results / Output

Result and Output: The Research article discusses the importance of feedback management systems in educational institutions and introduces the 'Feedback Management System' that aims to address the concerns of students regarding the level of knowledge they receive using an android app. The Faculty Feedback System is an essential tool for enhancing the quality of education by promoting communication between students and teachers, identifying areas for improvement, and addressing concerns in a timely and efficient manner. The literature survey discusses the existing Java-based college feedback systems available in the market, such as Course Feedback System (CFS), Feedback System for Education (FSE), Student Feedback System (SFS), College Feedback System (CFS), and University Feedback System (UFS). The proposed system is an Android app and web application that will be developed using a combination of programming languages, frameworks, and libraries such as Java, Android Studio. The development process will be divided into several stages such as requirement gathering, system design, development, testing, and deployment. The proposed system aims to create an efficient feedback management system that caters to both students and teachers, enabling effective feedback analysis for both students and staff. It will provide a convenient and consistent way for students to provide feedback to the college's Head of Department (HOD) or principal. The data will be retrieved by

the server for analysing daily performance, making it easy for heads to know more about the teaching qualities of their college and teachers. Overall, the proposed system will enhance the quality of education by promoting communication between students and teachers and addressing concerns in a timely and efficient manner. It will be an essential tool for college administrators to monitor feedback and take action to improve the quality of education.



Login and Signup details saved

Conclusion

The online feedback system has become an essential tool for educational institutions to receive and analyse feedback from students regarding their learning and teaching experience. The Feedback Management System aims to establish a positive relationship between students and their learning environment, as well as between students and their teachers. The Faculty Feedback System is an important component of the Feedback Management System, which provides students with a convenient and consistent way to provide feedback to the college's Head of Department or principal. The proposed system, an android app and web application, will be developed using a combination of programming languages, frameworks, and libraries. The development process will include requirement gathering, system design, development, testing, and deployment. The online feedback system is a valuable tool for enhancing the quality of education by promoting communication between students and teachers, identifying areas for improvement, and addressing concerns in a timely and efficient manner.

References

1. Mory EH. "Feedback research review". In Jonassen, D. (eds.) Handbook of research on educational communications and technology, Erlbaum Associates, 2004, p. 745-783.
2. Sondergaard H, Thomas D. “Effective feedback to small & large classes”, 34 th ASEE/IEEE Frontiers in education conference, 2004.
3. https://www.irjet.net/archives/V5/i1/IRJET-V5I1290.pdf
4. https://www.gprec.ac.in/cse%20projects/Faculty-feedback-system.pdf
5. https://ijrat.org/downloads/Vol-4/march-2016/paper%20ID-43201661.pdf
6. The Value and Effectiveness of Feedback in Improving Students’ Learning and Professionalizing Teaching in Higher Education https://files.eric.ed.gov/fulltext/EJ1105282.pdf
7. https://teaching.helsinki.fi/instructions/article/student-feedback-system-university
8. https://slidelizard.com/en/student-feedback-system
9. https://www.irejournals.com/formatedpaper/1700576.pdf
10. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4979299/
11. Kaushik P, Yadav R. Reliability design protocol and block chain locating technique for mobile agent Journal of Advances in Science and Technology (JAST). 2017;14(1):136-141. https://doi.org/10.29070/JAST