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Student Feedback System Using Android

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ABSTRACT: The primary objective was to design and develop web applications for a wide range of industries. Best practises in software engineering must be followed while developing online applications. As a web app developer, I was asked to use Android to make a "Student Feedback System." Most people use the system in one of four ways: Student, Teacher, Department Head, and Admin. The application should use the feedback given by the range to judge how well the students answered. All of the staff in a certain department must be given a grade from 1 to 5. He can see both the overall grades and the grades given by each teacher. He can also give the principal a report and talk to the college staff. "We make it better and faster by using the online system."

I. INTRODUCTION

The feedback is checked by the teacher in charge. He can see grades and show the grades to the teachers. He can also tell the principal about this and give advice to the college staff. The institute gives out feedback forms that were made by the institute. Students were given these feedback forms, and they're supposed to fill them out by hand with their thoughts on things like the lecturer, practicals, assignments, punctuality, ability to solve problems, and more. The faculty or staff then collects the feedback forms, and the overall grade for each point on the form, subject, and teacher is probably calculated using an MS Excel spreadsheet. After getting the feedback, the head of the department will talk about it with the relevant faculty and let them know what needs to be done to raise academic standards and fix low grades. About a certain thing. Such a system takes more time and there is a chance that the person entering the grades into the Excel sheet will make a mistake.

The head of the department has to come up with questions, add them to the system, and then update the online system with these questions. After the head of the department puts them online, only students can see them and give feedback. The students should be able to directly enter their grades on their Android phones. Since students are entering their own feedback, there is no need for a data entry operator, which makes it even less likely that wrong data will be entered. As students enter their grades, the back-end analysis and feedback will be done automatically. The feedback system is easier to use and takes less time to collect and analyse feedback correctly.

Android is a mobile operating system built on a modified version of the Linux kernel and other open source software. It was made for touchscreen mobile devices like smartphones and tablets. Android is made by a group of developers called the Open Handset Alliance, and Google pays for their work. It was first shown off in November 2007, and the HTC Dream was the first Android phone to go on sale in September 2008. Most versions of Android are made by their own company. The main parts come from the Android Open Source Project (AOSP), which is mostly licenced under the Apache License and is free and open-source software (FOSS). When Android is installed on a device, the ability to change the otherwise FOSS software is usually limited, either by not giving the source code or by making it hard to reinstall, making the version that is installed proprietary. Most Android devices come with extra proprietary software like Google Mobile Services (GMS), which includes core apps like Google Chrome, the digital distribution platform Google Play, and the Google Play Services development platform. have made the Student Feedback System so that students can give feedback to the college principal in an easy and quick way. So we call it the "Student Feedback System," which delivers through the student staff interface as an online system that acts as a "Service Provider." By using technology, we can get quick feedback from students about staff to the heads of departments, since they can refer to online systems. There are two types of modules for the: Student and Admin.

The goal of this Student Feedback System is to make a mobile app that the administrator can use to keep track of feedback. Offers a way for a student to give feedback on a teacher's lessons through a mobile-based online system. Evaluates the students' answers based on the feedback they receive, which will be a number from 1 to 5. The student lecture interface, which acts as a service provider, gives feedback. Gives an overview of the feedback, so that students can tell where a faculty is falling behind. Gives individual ratings of the faculty for a given semester, which helps the

management decide how much to pay them. The college staff has set up an online system where the student can give feedback.

II. LITERATURE SURVEY

The paper gives an overview of online feedback systems for students in colleges and universities. It is introducing a student feedback online system (SuFO) that was made and is used at a Malaysian public university. The paper talks about how data from SuFO is used to compare how well experienced and new lecturers teach. The evaluation is based on how the students answered in SUFO, which measured the lecturers' skills based on how professional they were and how they taught. Included are the results of the preliminary study that compared how well experienced lecturers and new lecturers taught. The feedback from students on the teaching quality of experienced and inexperienced lecturers isn't clear, since both types of lecturers got both low and high ratings [1].

For any teaching programme to work, it is very important for teachers and students to be able to talk to each other. When students give feedback, it helps teachers get better at what they do and how they act. Semantic web (SW) technology is an interesting way to choose and find data. Getting useful information from web data is done with different web mining techniques. The main point of the paper is to learn from the students' feedback, which can be done by firing a Sparql Query in Ontology. The knowledge can be shown in a way that makes sense. [2,3]. Online student feedback system is a web-based system for getting feedback from students and automatically generating feedback that students give.

Gordon (2011) says that the quality of feedback can make a difference in how well teachers and students work together in an educational setting where there is mutual respect. Students pay a lot of attention to what their teachers say and do. You can teach them about their rights, spirit, self-esteem, creativity, and natural desire to learn, or you can hurt them in these ways. Any message can show whether the teachers trust their students' abilities or don't. If feedback works well, students can see that their ideas are respected, understood, and accepted [4]. Through feedback, the school learns that the student is its most important customer. If teachers don't get enough feedback from their real clients or don't ask for it, school will never know how to improve its educational services [5]. The students' voices should be heard and respected, and teachers should guide them and show them in every way that they are cared for so that they can learn to enjoy life and learning [6]. Hattie (2014) says that good feedback makes teaching and learning more obvious, which gives students a better chance of doing better. If students really understand the meaning of what they learn, it's clear that feedback will help them grow. The author also talks about how well challenge and feedback go together. The best teachers think about what their students say and change their teaching methods based on what they learn [7]. In this kind of setting, where a teacher is always aware of the kind and quality of impact he is having on each learner, students can feel safe and supported while they learn and explore [8].

We made a student feedback system so that students can give quick and easy feedback to each department. So, we called it a "student feedback system" that gives feedback through an online system that students and staff can use. Using technology, we can give feedback in an online system just as quickly as we could on paper. Because the online system feedback is in place, it takes longer to do a piece of work. Students will fill out a standard form to give feedback online. Here, security is also kept up, so that only real users can see the results of feedback. [9] is about a feedback system for students that can be used.

III. RELATED WORK

The feedback was written down using a pen and paper. Even though paper seems like a simple thing to use, it makes the job more difficult and takes more time. In the, you should be very careful not to lose or misplace the single piece of paper. For the same reason, making a lot of paper copies for the same reason takes a lot of paper. The main problem with this method is that it takes more time and uses more paper to keep track of things. In their work [10], Rajvee Patel et al. explained the Feedback management System. The "Feedback management System" approach is all about taking into account institutional and educational practises and processes, as well as the student's concerns about the level of knowledge they get. They made a faculty feedback system so that feedback can be given to the HOD or principal of the college in an easy and consistent way.

They call it a "faculty feedback system," and it works as a "Service Provider" by giving feedback through a student staff interface. Phani Rama Prasad et al. [11] The Online Student Feedback System is a system that automatically generates feedback and gives it to the right people. Students can use their system to give feedback online instead of taking the time to write it down. Nikhil H.M. et al. [12,13] made the Student Feedback System so that feedback could be given to the college principal quickly and easily. By using their system, students can quickly give feedback about the faculty. Sivasankari S. et al. [14], Online Student Feedback Analysis System (OSFAS). The Online Student Feedback Analysis

System (OSFAS) is a system that uses comments and categories like "good," "interesting," "late," "interactive," etc. to give the right feedback about teachers. Their system's main goal is not only to save time, but also to reduce the amount of work people have to do.

IV. IMPLEMENTATION

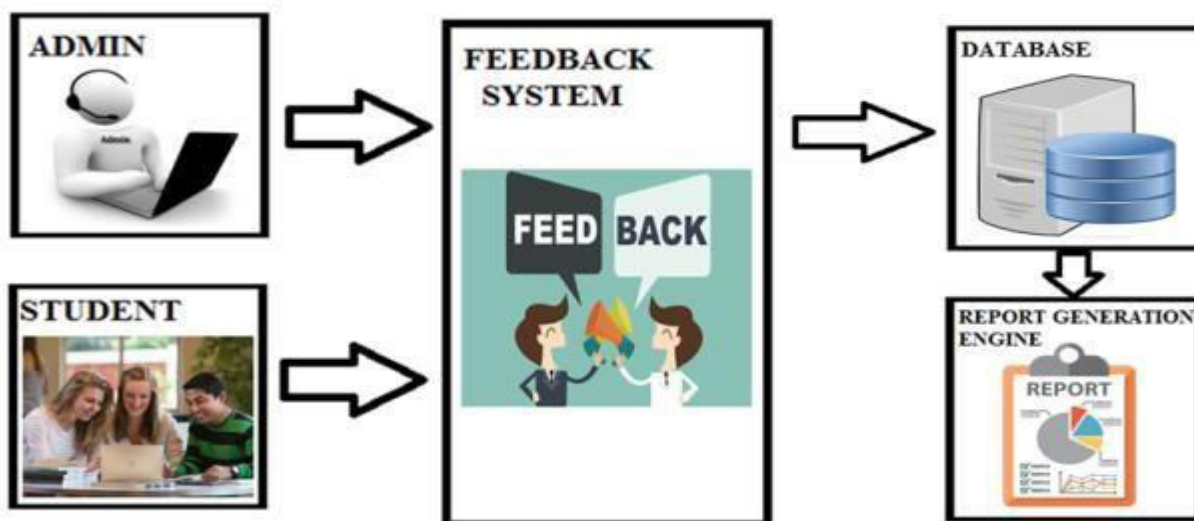


Figure 1 : Architectural Diagram

These modules are put into place.

- Student: The student will use his login information to give feedback on it.
- Admin: The module lets you add, delete, change, or add to the content of the faculty, as well as update the format of report generation.
- Database: It will be used to store the information that the student feedback system needs.

V. TEST CASES

- Software testing is a key part of ensuring the quality of software and is the best way to reuse a specification. Design and code testing are a bit of an oddity for software. During the earlier phases of definition and development, people tried to build software from an abstract idea to a real-world implementation.
- During the testing phase, different methods, such as White Box Testing and Control Structure Testing, are used to test the system's development.
- A strategy for testing software must include both low-level tests, which are used to make sure that a small piece of source code was written correctly, and high-level tests that compare software to customer needs.

VI. CONCLUSION

The paper "Student Feedback System" was written to make it easier to keep track of all the feedback details of all the students who attend an Educational Institution. When compared to manual feedback and storage, it is easy to add, find, and change a student's feedback information. The is also easy to keep up, which makes it easy to understand. It's easy to keep track of the details in the database.

The old way of collecting and analysing student feedback is more difficult and takes more time. With the android-based student feedback system, we can get feedback from students using any Android phone. This makes it easy to get feedback, which will be made available right away after the data is analysed.



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