

Institution Evaluation System

Shrutee Khatavkar¹, Priyanka Korde², Shruti Mahalkar³, Madhura Phadke⁴

^{1,2,3}Student, Computer Department, Datta Meghe College of Engineering, Maharashtra, India

⁴Professor, Computer Department, Datta Meghe College of Engineering, Maharashtra, India

Abstract – The system that we have developed is Institution Evaluation System. This project will be developed considering the manual process that is done in our college, Datta Meghe College of Engineering, Airoli. This is a web-related application that will permit us to approach the entire knowledge regarding the college, faculties, students. The main problem projected is that student's particulars are reported manually in distinct records, which is a laborious job. And it becomes difficult to handle and update this information manually. The Institution Evaluation System will give way to easy collection and more accurate data analysis of faculty and infrastructure evaluation in lesser time. The manual efforts required will be reduced. This system will serve as a platform for students to give their reviews about the faculty, staff member, college infrastructure and additional reviews of their own.

Key Words: Student, Education, Teacher, Institution, Feedback, Computer

1. INTRODUCTION

This report is about the system that we have developed for our college, Datta Meghe College of Engineering, Airoli. This project is all about automating the manual process of evaluation of faculties, college infrastructure and office staff. Considering the current manual evaluation process in our college and their requirements we tried to develop Institution Evaluation System for Datta Meghe College of Engineering.

1.1 Motivation

Performance in college is increasingly judged on the basis of effective learning outcomes. Information is critical to knowing whether the college system is delivering good performance and to providing feedback for improvement in student outcomes. The Institution evaluation system is basically the evaluation system, many colleges has a manual evaluating method. It is always better to automate the manual system to reduce the human efforts. Thus the system that will do the same work of collecting the reviews from the student about the faculty, college infrastructure, etc and giving the result by considering the inputs will be useful. Thus this system has fulfilled the aim of reducing the efforts and along with it reduces the time that is required for producing the output. Another aim is to produce the fair output for the system.

1.2 Previous Work

Manual process in Datta Meghe College of Engineering

In Datta Meghe College of Engineering the evaluation process for faculty and college infrastructure is done manually. During the second unit test, one form is distributed among students in every exam hall. This form basically consist of numbers of common questions for the faculties that they are teaching them. Students are expected to fill form by giving ratings. Along with this ratings are to be given on the infrastructure. These forms are to be submitted within 10 to 15 minutes during the exam. The forms are submitted anonymously.

Problem with this manual process is that it consumes students' time during the exam time and thus students can't give feedback properly. Another disadvantage is that it consumes time to produce the output. But all the things are recorded in this manual paper system.

2. LITERATURE SURVEY

In this section we have given the summary of the researcher papers. These are the papers that we had studies properly and are related to the system that are planning to develop.

2.1 A ROLE-BASED ONLINE EVALUATION SYSTEM, Thomas E Price (Year: 2015)

This paper describes the design and implementation of a Role-based Online Evaluation System (ROES). In this paper, the manual method that was previously used is described. Those include bubbling the answers of the asked questions in the evaluation form and then calculating the average result of those forms. The ROES is described in this paper. ROES provide the platform to change the questions that are used in this system.

The components of ROES are the Account administrator, Administrator, Reviewer and evaluator. In this system the work of the account administrator is to add the accounts of the evaluator into the system and providing the login data to the system. Evaluator is the main component of the system here because he is the one who is going to evaluate the faculty and based on his inputs the results are to be produced. Admin / administration is the one in this system who is going to define the form that the evaluator is going to fill. He holds the rights to make changes in the forms. The

reviewer is the one who is evaluation is in process and at the end he is able to view his results.

Thus from this we conclude that the evaluator, administrator, reviewers and the questioner used in the system to evaluate the faculty are the main component of the system.

2.2 ASSESSMENT AND MANAGEMENT IN INSTITUTION OF HIGHER JEF C. Verhoeven (Year: 2007)

This paper has focus on the factors on which the evaluation must be done. Here, by factor it means if the system is asking questions to the student as the input of the system then what kind of factors are to be considered while framing the questions for the system. According to this paper there are various points on which the lecturer can be evaluated. Set of questions can be framed on the points like teaching effectiveness of the lecturer, clear instructional presentation and management of student behavior, caring, systematic and stimulating, or respect for students, organization and presentation skills and ability to challenge students

Along with it factors that affect the output of the evaluation is also discussed in detail. According to this paper, there are many factors on which the result of the evaluation of a particular person varies. Talking about the faculty, points such as instructor enthusiasm can be a factor that reduces the real significance of result. If the instructor is enthusiastic, it does not mean necessarily that he or she contributes much to the learning behavior of students. Another factor discussed in this paper is that students who have "a positive and/or social view of a lecturer" will rate a lecturer higher, even if it is not sure that this lecturer contributes more to a better understanding of the study material. Another factor discussed is when students have high expectations about their grades, they are prone to rate the lecturers higher. Another factor mentioned is that the rating of teachers also depends on the subject taught by the lecturer.

From this we can conclude that the factors that affect the evaluation of a particular system are to be studied properly. According to the requirement then the questions will be framed. In our Institution Evaluation System all the factors will be considered for the faculty evaluation as well as for the institution evaluation.

3. METHODOLOGY

This application permits us to approach the entire knowledge regarding the college, students, faculties etc. The main problem projected is that student's particulars are reported manually in distinct records, which is a laborious job. It becomes difficult to handle and update this documents manually. The Institution Evaluation System gives way to easy collection and more accurate data analysis of faculty evaluation in lesser time. The Institute Evaluation System is a paperless process in which the evaluators (students,

faculty, and staff members) use the web application and the system to evaluate the Institute. The following modules are included in our application. In this application first user should login for the application by using password and GR number. Then user should fill the feedback form. On the basis of feedback form results, evaluation is display to teacher and HOD. In this way institution evaluation is done.



Login module

Authorized users will be allowed to access the facilities of the system. User will have to enter user name and password. It will check user name and password.

Validation

The application checks the validity of the user. And valid user will only be able to give reviews and will be allowed to fill and submit the evaluation form.

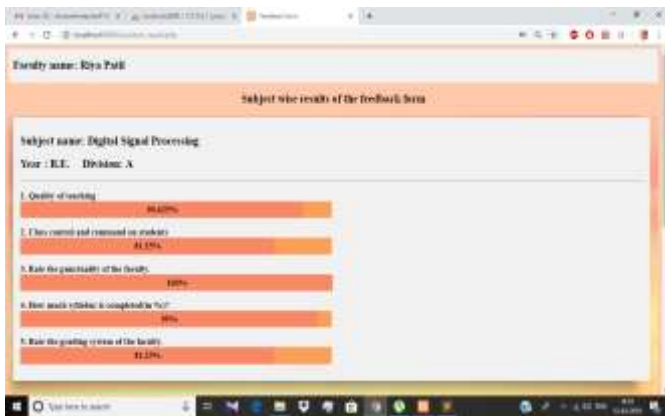
Security

The application give security to the database as only admin will be able to make changes. So unauthorized person that is the person other than admin won't be able to have those privileges. After the user login, only those facilities will be made available for which he/she is authorized. Like for admin updating facility and viewing the results, for students just the giving feedback will be displayed.



In admin side admin will be able to add or delete faculty and student information. Admin will be able to make changes in the questionnaire to decide the performance of faculties, about infrastructure of college and performance of staff.

Faculty, staff members and admin will be able to view their result based on feedback of students. Results are displayed in the form of bars.



4. CONCLUSION

Institution Evaluation System is the system that we have developed for automating the manual process that our college, Datta Meghe College of Engineering is currently using. The main problem projected is that student's feedbacks are reported manually in distinct records, which is a laborious job. It becomes difficult to handle this documents manually. Thus all this problems will be removed when this system will be developed. This system will take inputs from the evaluation form that the students will have to fill as a evaluation process. Every student will be able to give feedback only once. Based on the input the system will come to a final output for every person whose feedback is provided. The output from the system will be definitely fair. It will thus take the time as well as the efforts that are needed to come to a final result from the feedbacks as compared to the time and efforts taken in manual process. Thus this system will be capable to provide accurate results with less efforts and time.

REFERENCES

- [1] Assessment And Management In Institution of Higher Education, Jef C. Verhoeven (Year:2007)
- [2] "A Role-Based Online Evaluation System", Thomas E Price(Year: 2015)
- [3] Japan Institution for Higher Education Evaluation (JIHEE)