INTERNAL QUALITY ASSESSMENT ON FACULTY CHARACTERISTICS USING ONLINE FEEDBACK SYSTEM

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Abstract: This Online Feedback system is most essential for academic institutions in educational system. This paper aims to explain the easiest way of web based feedback system for academic performance of the faculty. This web based Tool was developed using Visual studio 2010 framework with ASP.NET and SQL Server. Feedback Input parameters related to teaching effects is given to students about faculty was designed with ASP.NET.It has been collected from the students through online and result shows performance of individual faculty score as well as all the faculty handled subjects. Using that outcome, reduce the manual work and it helps faculty to improve the effectiveness of the course and teaching skills.

Keywords: Feedback system, Educational system, web based Tool.

I. INTRODUCTION

The main objective of this project is the need to make the feedback process more easy and interactive system. In order to make the academics more good the management does every possible aspect in maintaining the qualities of the Lecturers[1]. One of the main development of this project is the feedback given by the student at the end of the semester and getting an overall summary report of each faculty the viewpoint regarding the lecturers teaching. In order to get a effective feedback system, the management has given a lot of parameters to be filled by the students which is related to faculty characteristics on lecture in class room. Up to now this task was done manually with the usage of papers and pens. That process has many drawbacks and evaluating this hand written forms is a difficult process. But this is the online era where everything is online. Our objective is Easy operations, user friendly and attractive.

II. EXISTING SYSTEM

In existing,the students can give their feedback about the faculty manually in paper .It has lot of disadvantages are collecting the feedback from individual students for various subjects ,compiled all the feedback and get the final report .so it takes lot of time ,paper cost and maintaining the records with confidential manner.

III. PROPOSED SYSTEM

In current system there is no wastage of paper.This feedback system where students fill the form through online. It is very helpful to Universities or colleges to monitor the faculty performance.It also very easy to use and reduce the time for

managing this feedback process. System will provide quick outcome. The students name will be kept confidential is not known to the faculty. The faculty can view their score, strong and weakness given by the student. It provides performance of each faculty according to each subject.
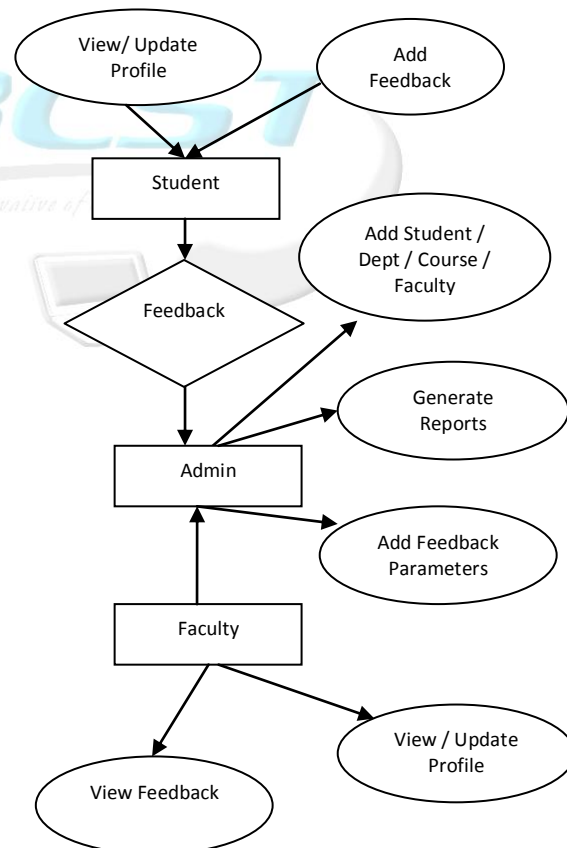

Figure 1.System Architecture

IV. MODULE DESIGN

Student feedback system that will containthe feedback parameters to be filled by the students. Our system contains

three main modules such as Admin module, student module and Faculty module

A. Admin module

In this module the administrator create the web pages are like add subject details,subject allocation to faculty and feedback report .In subject details form adding course mode whether Regular/Lateral Entry, department, Semester,Batch,Subject code,Subject name and subject type is represented in figure 1.Next form designed for add the faculty name to the selected course and subjects.In this page when we select the course and batch ,the system automatically generates subject name ,department name , faculty name and the student register no's is visible to us .Then assign the faculty name to that particular subject we can update the student register no is also shown in the figure 2.Finally Add the feedback questions as a parameters to the system like voice,use technology etc in Table 1.It can viewed by the each student in their portal .This website will analyze the feedbacks filled by the students and will do the calculations. Finally each faculty score as the output is shown in the admin panel.

Figure 2. Add Subject Master

Figure 3. Add Subject Master

Table 1. Parameters

1. Voice
2. Language
3. Resource Fullness
4. Regularity
5. Punctuality
6. Teaching Method
7. Illus Example
8. Extra Information
9. Class Room Management
10.Rapport with Students
11.Encourage Students
12.Use Of Student Ideas And Ans
13.Use of Black Board
14Use Technology
15.Over All Grade
16.Strong Point
17.Weak Point

B.Faculty module

In this module faculty can only view the Feedback score for each subjects given by the students as well as see the personal details and update their profile.

C.Student module

In this module students can view personal information, change Password, Update Basic information, Choose their Elective Subject, Access Department Library books and Update Feedback.When performing Update feedback by the student, Semester subjects name and faculty name and all the parameters with grade are shown to the student.Students are giving their score about the faculty performance,if grade is Excellent the score is 10 ,if very good score is 8,if good score is 6, if average score is 4 and poor score is 2. Finally the faculty score will be calculated on the basis of grade

V. SYSTEM RESULT

A.Admin Login Result

Table 2 Summary of Faculty Feedback Report Output

Sl	Faculty Name	E	V	G	A	P	No Of Stud	Point	Score
1	Faculty-1	40	11	4	1	0	56	516	92.14
2	Faculty-2	39	8	5	0	0	52	484	93.08
3	Faculty-3	42	42	47	5	0	136	1058	77.79
4	Faculty-4	40	51	29	2	0	122	990	81.15
5	Faculty-5	13	5	4	0	0	22	194	88.18
6	Faculty-6	78	34	25	2	0	139	1210	87.05

Table 3. Summary of Faculty Feedback Report Subject wise

Sl	Name	Subject Name	E	V	G	A	P	No Of Stud	Point	Score
1	Faculty - 1	Subject 1	20	4	3	1	0	28	254	90.71
	Faculty - 1	Subject 2	20	7	1	0	0	28	262	93.57
2	Faculty - 2	Subject 1	24	7	2	0	0	33	308	93.33
	Faculty - 2	Subject 2	6	1	1	0	0	8	74	92.50
	Faculty - 2	Subject 3	7	0	1	0	0	8	76	95.00
	Faculty - 2	Subject 4	2	0	1	0	0	3	26	86.67
3	Faculty - 3	Subject 1	16	13	4	1	0	34	292	85.88
	Faculty - 3	Subject 2	13	16	22	1	0	52	394	75.77
	Faculty - 3	Subject 3	13	13	21	3	0	50	372	74.40
4	Faculty - 4	Subject 1	8	20	6	0	0	34	276	81.18
	Faculty - 4	Subject 2	19	11	18	2	0	50	394	78.80
	Faculty - 4	Subject 3	9	20	5	0	0	34	280	82.35
	Faculty - 4	Subject 4	2	0	0	0	0	2	20	100
	Faculty - 4	Subject 5	2	0	0	0	0	2	20	100
5	Faculty - 5	Subject 1	4	3	1	0	0	8	70	87.50
	Faculty - 5	Subject 2	5	2	1	0	0	8	72	90.00
	Faculty - 5	Subject 3	2	0	1	0	0	3	26	86.67
	Faculty - 5	Subject 4	2	0	1	0	0	3	26	86.67
6	Faculty - 6	Subject 1	22	4	2	1	0	29	268	92.41
	Faculty - 6	Subject 2	45	11	2	0	0	58	550	94.83
	Faculty - 6	Subject 3	11	19	21	1	0	52	392	75.38

B. Faculty Login Result

Individual faculty parameters score obtained by the faulty handling subjects in their faculty login is shown in the following Table no 4.

Table 4: Individual faculty parameters score
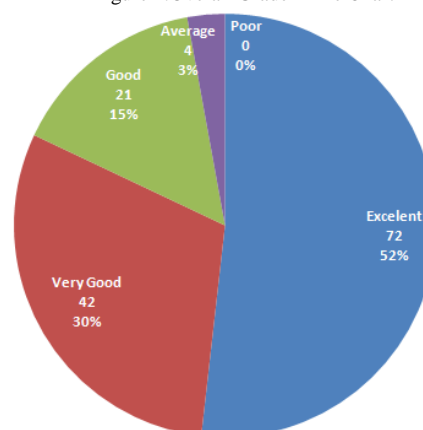
Name of the Faculty : Faculty – 6

Sl.No	Characteristics	E	V	G	A	P	T
1	Voice	72	42	21	4	-	139
2	Language	72	42	21	4	-	139
3	Resourcefulness	72	42	21	4	-	139
4	Regularity	72	42	21	4	-	139
5	Punctuality	72	42	21	4	-	139
6	Teaching Method	72	42	21	4	-	139
7	Illus.& Example	72	42	21	4	-	139
8	Give Extra Infor.	72	42	21	4	-	139
9	Classroom Mgt.	72	42	21	4	-	139
10	Rapport with Students	72	42	21	4	-	139
11	Encourage. of students	72	42	21	4	-	139
12	use of Student Ideas &Ans	72	42	21	4	-	139
13	Use of Blackboard	72	42	21	4	-	139
14	Use of Technology	72	42	21	4	-	139
15	Overall grade	72	42	21	4	-	139

Table 5: Faculty – 6 Individual faculty score as Subjectwise

Subject	E	V	G	A	P	No Of Stud	Point	Score
Subject - 1	22	4	2	1	0	29	268	92.41
Subject - 2	45	11	2	0	0	58	550	94.83
Subject - 3	11	19	21	1	0	52	392	75.38
							Percentage:	87.04

E-Excelent(10) V- Very Good(8)G-Good(6)
A - Average(4) P- Poor (2)

Figure 4.Overall Grade in Pie Chart

VI.   CONCLUSION

The paper discussed the design and implementation of online feedback system for institute or colleges. VB.NET has been used as programming language and

SQL Server for database storage. It was designed in order to reduce the manual work and paperless student's feedback detailscompared to manual feedback system.Maintaining the project is also easy which can is easily understandable.Administration will be able to decide on who all faculty members with different parameters are supporting with minimum value for particular Characteristics and will be able to make groups of faculty members with different parameters for future use. Thus also helps the faculty members to improve those characteristics.

VII.   REFERENCES

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