IJESC

Indirect Course Survey (ICS)

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Abstract:
Quality work is the main motto of every organization. To provide quality work in education industry it is obligatory to maintain the record of attendance and to accumulate the feedback from the students. Attendance-Feedback management is indispensable to every single organization; it can opt whether or not an organization such as educational institutions, public or private sectors will be eminent in the future. Organizations will have to keep a track of people within the organization such as employees and students to maximize their performance. Managing student attendance during lecture periods has become a difficult provocation. The ability to compute the attendance percentage becomes a radical task as manual computation produces errors, and wastes a lot of time. We have developed student Attendance-Feedback system to minimize the time duration and to provide feedback in an astute and facile manner to the particular department. For the stated reason, an efficient Web-based application for attendance management and feedback system is to designed. In this application we are going to manage the record of subject wise attendance and student's feedback. The Attendance-Feedback system designed in a way that can differentiate the hours of theoretical and practical lessons since the levy of them is divergent for calculating the percentages of the students' absence and online students feedback system is the web based feedback collecting system from the students and bestows the automatic generation of a feedback which is given by students. By using this technology we can give feedback in online system as briskly as compare to the existing paper feedback system. The existing system carries more time to do a stint for this reason the online feedback system is implemented. Students will fill online feedback using a standard form. So we called it a student's Attendance-Feedback system which relinquishes via the student staff interface as online system which acting as a service provider. In this project security is also maintained that is the result of feedback is only discernible to authentic user. Insertions, deletions, and changes of data in the system can do unambiguous via the designed GUI without fraternize with the tables. Different presentation of information is ubiquitous from the system.

Keywords: Attendance Management Systems, Web Application, Feedback Management System.

I. INTRODUCTION

Due to student's intrigue in classrooms, and whose is the largest union in the study environment of university or institution, so recording absence at a department having a large number of students in a classroom is a laborious task and time-consuming. Moreover, the process takes much time, and many exertions are spent by the staff of the department to complete the attendance rates for each student. So in many institutions and academic organizations, attendance is a very important criterion which is used for prismatic bourne. These bourns include record keeping, levy of students, and promotion of optimal and congruous attendance in class.

As long as in many developing countries, a minimum percentage of class attendance is required in most institutions and this policy has not been adhered to, because of the kaleidoscopic challenges the present method of taking attendance presents. The process of recording attendances for students was in the form of hardcopy papers and the system was manually done. Besides wasting time and taking exertions for preparing sheets and documents, other disadvantages may be visible to the traditional one due to loss or damage to the sheets-sheet could be stolen. The developed system considers as an volition to the traditional one, it is easy, fast and reliable than the traditional one, especially after the development of information technology and its usage by educational institutions. Therefore, the design of student attendance system has a eloquent reality meaning. The system is a Web-based application developed for daily student attendance and feedback in departments within the university. It unclog access to the attendance of a particular student in a particular class.

This system will also help in generating feedback and attendance reports and apprasialising the attendance eligibility of a student. The system is not only improving the work efficiency, students' study and development, but also can save human and material resources.

II. OBJECTIVES

1) Attendance record will be preserved at one place (centralized database)
2) Veracious analysis of attendance can be obtained.
3) Feedback system will be meliorated.
4) Different types of reports can be accreted.
5) Decision making power is provided by this system.
6) This system makes Selection process more efficacious.
7) To uptick efficiency proposed system is reckon on classification method.
8) Proposed system is used to reduce a perplexity at the time of processing feedback average.
9) Veracious result can be obtained.

III. SYSTEM IMPLEMENTATION

In this project we implemented the system which works on the notion of online Attendance-feedback from students which is the replacement of existing paper attendance and feedback system which is so complicated method for finding a median for particular subject attendance as well as feedback which is submitted by students. In this system we have designed main five forms Student login form, Operator login form, Faculty login form, Hod login form and Principal login form. Principal will login in their form with user credentials and will be able to view all the generated reports. Hod will login in their form with user credentials and will be able to view all the generated reports, Hod will have same authorities as operator; can manage faculty, student, and operator accounts. Faculty will login in their form with user credentials which is provided by admin at the time of registration after that faculty will enter semester, subject name and status(PR/TH) then for theory attendance and for practical attendance batch wise attendance page will appear after fetching the student names with respective roll no's from attendance database . Faculty will fill up the students attendance by clicking on the checkboxes provided for each of the students, faculty will mark a student as absent or present .After that faculty will submit the attendance form and will generate a report by clicking on a button named "generate report" it will generate a graphical report which will be transferred to the higher authorities. Student will login in their login form with student credentials which is provided by admin at the time of registration. After that the subject content page is displayed, where the content is located in it and as per the selection, students continue to their feedback after this page the feedback page is displayed. After giving the feedback the page appeared which contains a message like your feedback is submitted. Then after feedback is submitted there is a log out button after click on it student will successfully log out from their profile. Operator will fill the information of students, add and delete student. After that log out button transpire and operator simply logout from the system.

Ex:

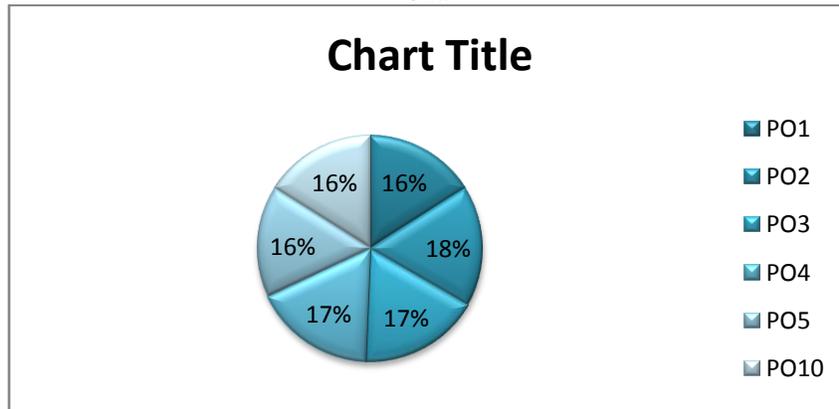| sr. no.	Course outcome	Rating
1	Can you develop flowchart and algorithm to solve problems logically?	
2	Are you able to Write simple 'C' programs using arithmetic expressions?	
3	Can you Develop 'C' programs using control structure.	
4	Are you able to Develop 'C' programs using arrays and structures?	
5	Can you Develop/Use functions in C programs for modular programming approach?	
6	Are you able to Develop 'C' programs using pointers?	

Table 1:

sr. no.	Course outcome	Result
1	Can you develop flowchart and algorithm to solve problems logically?	2.97
2	Are you able to Write simple 'C' programs using arithmetic expressions?	3
3	Can you Develop 'C' programs using control structure.	2.28
4	Are you able to Develop 'C' programs using arrays and structures?	2.97
5	Can you Develop/Use functions in C programs for modular programming approach?	2.25
6	Are you able to Develop 'C' programs using pointers?	3

Table 2:
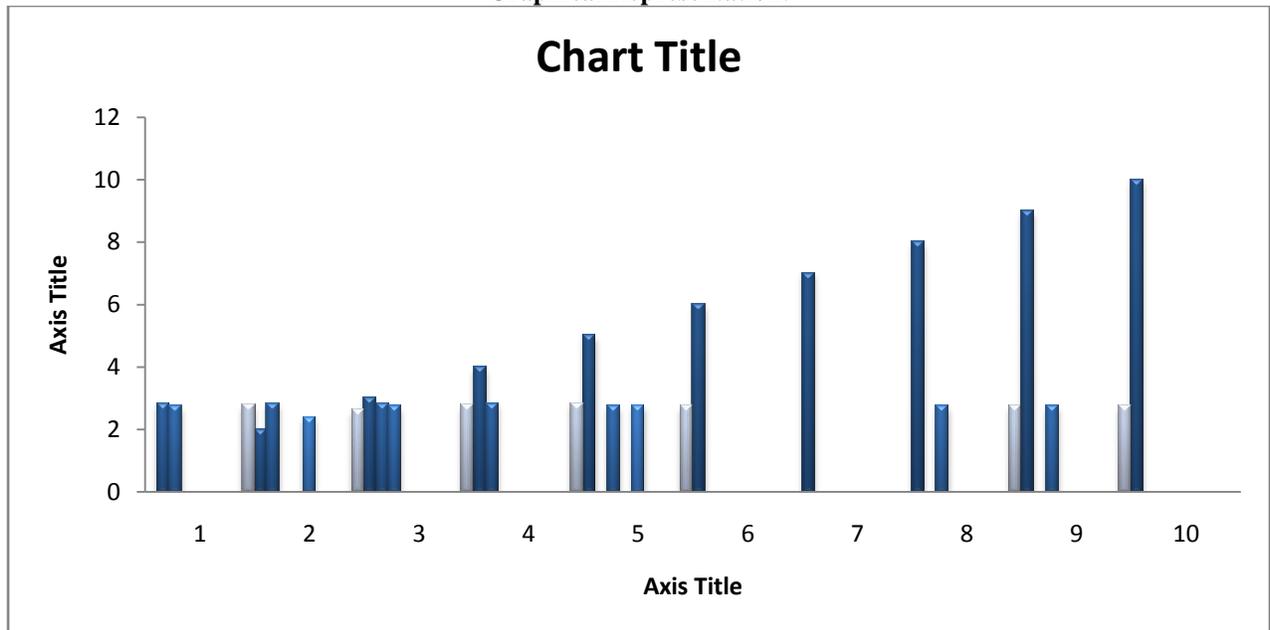
sr. no.	Course outcome	Program Outcome	Result
1	Can you develop flowchart and algorithm to solve problems logically?	po-1,2,3,4,5,10	2.97
2	Are you able to Write simple 'C' programs using arithmetic expressions?	po-1,5,10	3
3	Can you Develop 'C' programs using control structure.	po-1,5,10	2.28
4	Are you able to Develop 'C' programs using arrays and structures?	po-1,5,10	2.97
5	Can you Develop/Use functions in C programs for modular programming approach?	po-1,5,10	2.25
6	Are you able to Develop 'C' programs using pointers?	po-1,5,10	3

Table 3:

sr. no.	Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1	Can you develop flowchart and algorithm to solve problems logically?	2.97	2.97	2.97	2.97	2.97					2.97
2	Are you able to Write simple 'C' programs using arithmetic expressions?	3				3					3
3	Can you Develop 'C' programs using control structure.	2.28				2.28					2.28
4	Are you able to Develop 'C' programs using arrays and structures?	2.97				2.97					2.97
5	Can you Develop/Use functions in C programs for modular programming approach?	2.25				2.25					2.25
6	Are you able to Develop 'C' programs using pointers?	3				3					3
	Average	2.745	2.97	2.97	2.97	2.745	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2.745

PiChart:

Chart Title

Legend:
- PO1
- PO2
- PO3
- PO4
- PO5
- PO10

Pie slices: 16%, 16%, 18%, 17%, 17%, 16%
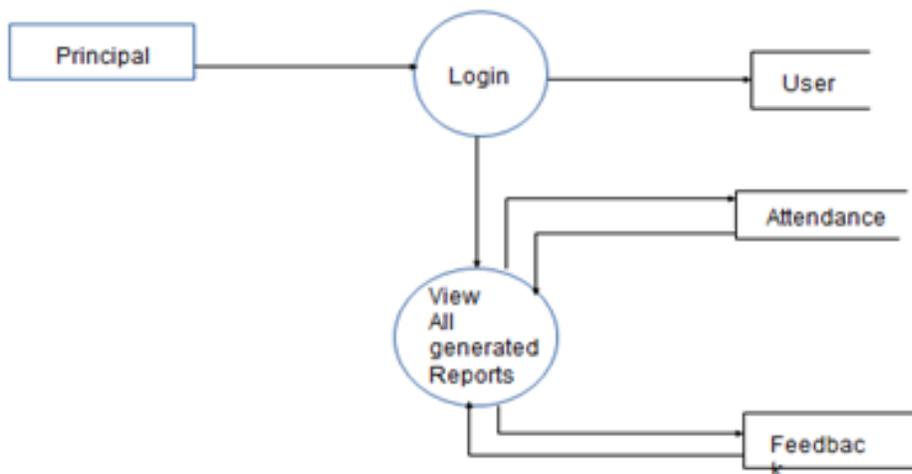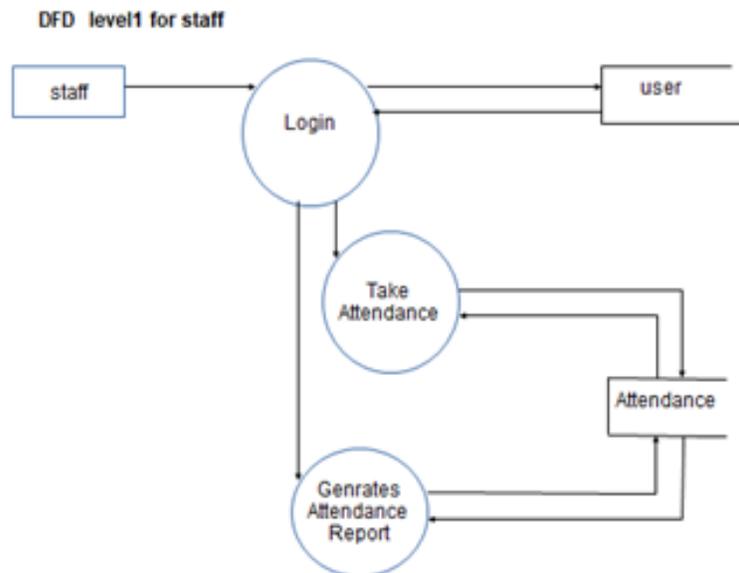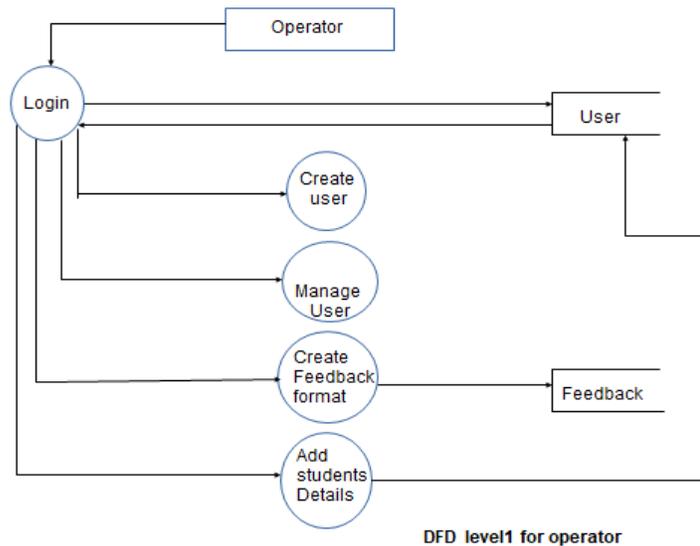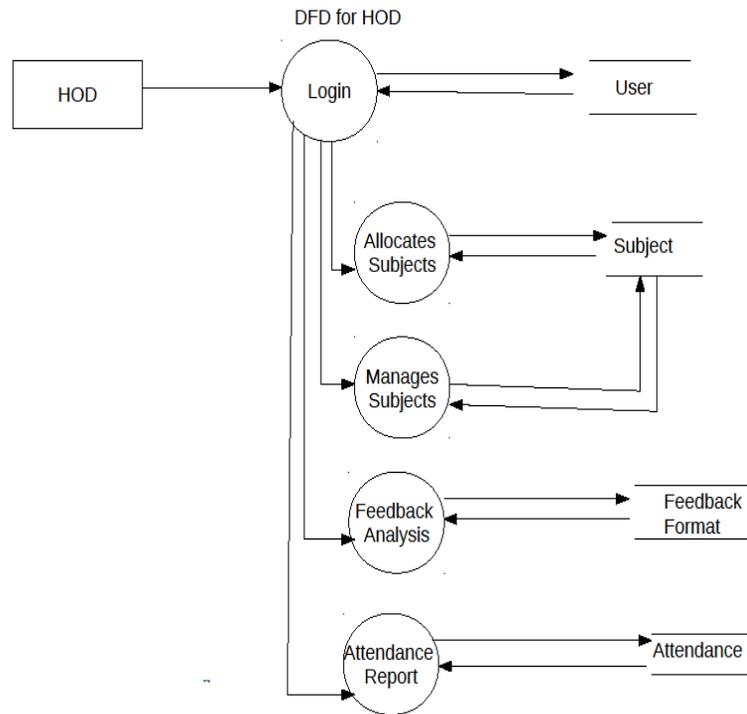
Graphical Representation:

Chart Title

Database

The system uses MySQL as a language for the database, and the migration techniques for selecting a different types of databases for the system such as SQL Server, SQLite, etc.
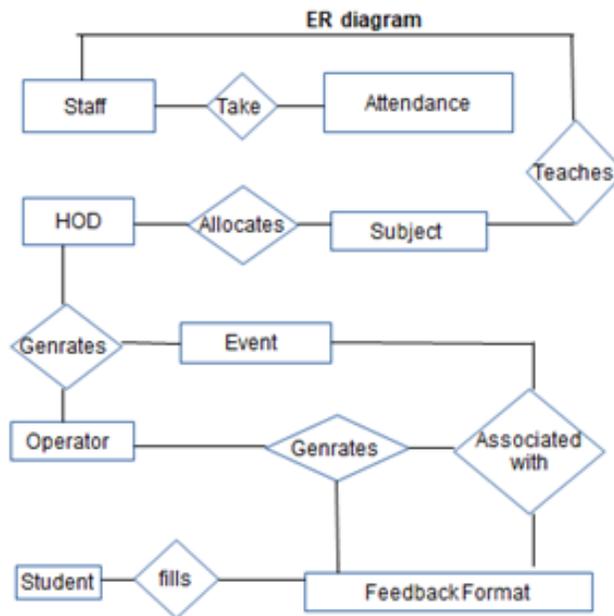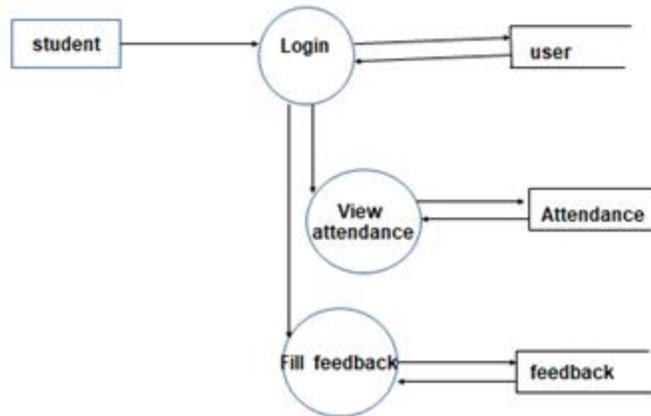
DIAGRAMS USED:

DFD level 1 for Principal

DFD for HOD

DFD level1 for operator

DFD level1 for staff

DFD level1 for student

ER diagram

IV. PROPOSED WORK

The main objective was to create a eccentric and expedient "online student Attendence-Feedback system" with deviant quality and services that differentiates it from other system. The key peculiarity of the element of this system is:
- Database
- Functions Users are broadly classified into 2 categories:
1. Admin
2. End user
The requisite functionality that is to be included in the system is as follows:

Modules to be implemented
The proposed system has to be cleaved into two parts
A) Admin
B)End User

A) Admin
Admin part will be developed into web based technologies like HTML, CSS, PHP and will embrace following modules-

1) Security
In this module login facility will be provided to the admin. Only authorized person can access this admin panel.
2) Master Module
In this module facility will be provided for inserting and managing the details of faculties and students and academic year calendar.
3) User Management
In this module facility will be provided to check the number of registered user and to manage them.
4) Reports
In this module facility will be provided to create the different types of reports.

B) End User
The second part of the project will be efficacious for the faculty to enter attendance and students for giving feedback. This part will consist of the modules like-
1) Registration
In this module facility will be provided for registration of the faculty.

2) Attendance
In this module facility will be provided to prepetuate the record of attendance.

3) Feedback
In this module facility will be provided to give feedback of different events generated by the admin

Following are the forms in this application:
1. Login form
2. Feedback form
2.1 Industrial visit Feedback
2.2 Expert lecture Feedback
2.3 Guest lecture Feedback and Others
3.   Course Exit survey

V. ADVANTAGES

Advantages
This Project is lucrative for college use. As well as we implemented in offices, institutions and hotels.
1. Decreases the time consumption.
2. Improves Efficiency- It improves potency.
3. Occurrences of error are diminished.
4. Decreases the paper and labour work.
5. Manage the un mutilated process.

VI. CONCLUSION:

This project is design for the purpose to reduce the lecturer's time and to reduce the burden of maintaining enormous amount of records of students. Attendance-Feedback management is conspicuous to all organizations such as educational institutions. It can administer and rein the success of any organization by keeping track of people within the organization such as students to maximize their performance, at the time of feedback generation it apply formulae to generate a feedback of a particular content. After that it will display the whole record sheet to the staff, when the staff login in the system. The proposed system offers the process of surveil attend students, it aims to help the teacher in the classroom or laboratories to manage and record students' presence directly without the need to list on paper so it will save time and effort also the comparison with manual feedback system the new system is a straightforward way to manage whole things in a particular manner. As per the existing system it is very easy process to save each and every record of individual student by the use of database . The system can probe the data and displays statistics about the student's absences, printing report about absence percentages and students admonitions for the specified period. The developed system easy to use and benevolent that has an attractive and simple GUI is design so that insertions, deletions, and changes of data can do easily without interacting with the tables, so it was designed with the MVC architecture and implemented with the powerful Laravel Framework. In order to increase use the application and make it easy to use and attractive, JavaScript, jQuery and AJAX have used. MySQL use for the application Database which stores the data for distant future. The application's test case revealed that the system is working exciting and is ready to use to manage feedback reports and students attend for any department of the University, College or Institute.

VII. FUTURE WORK:
Since our system is modular and can extend effortlessly, the future work ambitions are, to make the system able to take attendance by other methods such as face recognition and using Biometrics (fingerprint) techniques, NFC mobile devices, or RFID Systems. Furthermore, we would like to make the system to manage and record the attendance for the staff of the university. And in terms of feedback this is not the overall elucidation about the feedback system. Some more forms can also be added so as to better retrieve the feedback details. We implemented the system as per the department level as well as we will implement it in hotels, universities, private institutions, management offices etc. Further enhancements can be made in designing the screens. Some more forms can also be added so as to better recuperate the feedback details. Some more design can also be added in the precise system.

VIII. REFERENCES:

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