**CHAPTER 1: INTRODUCTION**

**1.1: Introduction**

The Online Feedback System is a management information system for education establishments to manage student data. This System provides capabilities for selecting particular subject for feedback and generate the report automatically, build student details, student-related data needs in a college. A Online Feedback System is an automatic feedback generation system that provides the proper feedback to the teachers as per the categories like always, poor, usually, very often, sometimes. Questionnaires are of primary importance in the dialogue with students, since they are the best tool we currently have for collecting objective, detailed and reasonably systematic information on a wide range of questions, which Informs the teacher about student’s perceptions of the course's strengths and weaknesses.

Responses are collated on behalf of departments by the system, and will be used only for the purposes of quality enhancement. The aim of this system is to allow a minimum level of statistical analysis of the data across the College.

**1.2: Overview Of the project**

The main objective of the Project on Online Feedback System is to manage the details of student, Feedback, Principal, College, Teacher. It manages all the information about Student, Faculty, Teacher, Student. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the student, Feedback, Faculty, Principal. It tracks all the details about the Principal, College, Teacher.

**CHAPTER 2:Literature Survey**

**2.1: Existing System**

Coming to the existing system the feedback is done by manual process. In the existing system students can give feedback about the lecturers by using paper and pen. The purpose of this project is to make the process of taking feedback from the students in online regarding the lecturer’s teaching. As of now this task was done manually with the use of papers and pens. This has many drawbacks and evaluating this hand written forms is a difficult process. But the restriction here is once the student submits the report then he cannot modify it later. With this the student can successfully submit feedback on lecturer’s teaching in a very efficient manner without any loss of data. The administrator and the faculty members can access these feedbacks from the students and take appropriate actions. By this process. Student can give feedback in online system without waste his time in writing. After giving feedback by every student. With this, the institutes can access the feedback reports in a faster way and without any loss of data.

**2.2: Proposed System**

Here we aimed to design online web application for issuing the feedback about the lecturers by students, This is named as Faculty Feedback System. Faculty Feedback System to provide feedback in a easy and quick manner to the college lecturers and Hod's. So we call it as Faculty Feedback System which delivers via the student staff interface as online system which acting as a service provider by using this technology we can make fast feedback about the staff by students on time to head of departments as they referred in online system.

This project has four kinds of users Student, Staff, Hod's, Admin. The student can give feedback in online system provided by college staff. Students and can give feedback about the lecturers.

These feedback reports were checked by the Hod's. He can view overall grades and view the grades obtained to the lecturers and give this report to the principal and he can give counseling to the college staffs compared to the manual system , online system is very simple to use and also understand.

**CHAPTER 3: System Environment**

**3.1: Hardware Requirements**

* Processor : Pentium IV and above
* Hard Disk : 250 GB
* RAM : 1GB

**3.2: Software Requirements**

* Server Operating System: Linux /windows server
* Web server: Apache 2.0
* Server Scripting:PHP5
* Database Server: MySQL
* Client Operating System: Linux Desktop/Windows Desktop OS
* Client Browser Requirement: IE7, Firefox 23, Chrome etc.

**CHAPTER 4: System Requirement Specification**

**4.1 Introduction**

**4.1.1: Purpose**

This document gives detailed functional and non-functional requirements for online student feedback system. The purpose of this document is that the requirements mentioned in it should be utilized by software developer to implement the system.

**4.1.2: Scope**

This system allows the students to provide quick feedback which is provided by collage staff. The feedback report is generated and which is checked by HOD’s. He can view grade and grade obtained to the lecturers.

**4.1.4: References**

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**4.1.5: Overview**

This system provides an easy solution to collage staff and students for maintaining feedback related to collage staff and infrastructure, facility.

**4.2: General Description**

**4.2.1 Product Perspective**

* User Interfaces: The application will have a user friendly and menu based interface. Following screens will be provided.
* Login screen: For entering the username, password will be provided. access to different screens will be based upon the user.
* There is a screen for displaying course details to the students when they are selecting their respective courses.
* There is a screen for submitted status for the students.

**4.2.2: Product functions**

The Online Feedback System is a collection of software tools providing an online environment for feedback. It manages the faculty details online for college details, Teacher details, Student. It tracks all the information of feedback, Faculty, College, etc. It also shows the information and description of the student, principal. It deals with monitoring the information of student. It provides an easier and quicker way to give rating to the college staff. Through site data of faculty members and student where managed in quite a simple manner.

**4.2.3: User Characteristics**

* Educational level: Users should be comfortable with the English language.
* Experience: Users should have prior information regarding the online registration.
* Skills: Users should have basic knowledge and should be comfortable using general purpose applications on computers.
* Apportioning of Requirements: The future versions of the website will be having a better database to handle larger number of records. In a more secure way.
* Also separate profile will be maintained later for all students so that he can view all his previous acadamic records later.

**4.2.4: General Constraints**

* Online Feedback System is a web application.
* Online Feedback System is a multi-user software.

**4.3: Specific Requirements**

**4.3.1 Functional Requirements**

**Client side modules**

* **Register**: Student will be already knowing username and password. He just need to login with his credentials to access to feedback site.
* **Select Faculty**: There are separate teachers assigned for particular courses assigned for each semester. To give feedback to particular teacher , student should select the faculty he wanted to give.
* **Select Options**: Once the student has selected the teacher or faculty, a set of questions will be displayed with 4 options. He should select the option which is suited. Once all options are marked then he should submit the process.

**4.3.2: Non Functional Requirements**

Non Functional requirements define the needs in terms of performance, logical database requirements, Design constraints, reliability, availability, security, maintainability, and portability.

**4.3.2.1: Performance Requirements**

The software has to be highly interactive and time efficient so that the information can be processed with the minimum number of clicks. The server to process the request and response faster without causing much overload on the server. There will be one time DB connection. so it will save time.

**4.3.2.2: Safety and Security Requirements**

This software requires user authentication. That is, the user needs to provide valid credentials, without which the user will not be able to login into the application.

**4.3.2.3: Software Quality attributes**

* **User Interfaces**

The user interface shall be web-based,allowing users to remotely access the systemvia several applications. Users will be able to use the service through applications such as Microsoft Internet Explorer, Mozilla Firefox, etc.

* Allows for fast and ease of access from remote locations.
* The user interface shall use forms and handle errors that may be committed from inexperienced end users.
* **Compatibility**

The software is compatible with Windows XP. It also works well with Windows 2000 and Windows 2003 Server. It requires web browser.

* **Portability**

The software is extremely portable in the sense that it can be run on any machine with a web-browser.

**4.3.3: External Interface requirements (GUI, Hardware Interface, Software Interface, Communication Interface)**

**5.1 Architecture designing:-**

**5.2 Data Flow Diagram:-**

* CONTEXT LEVEL DFD:-

**MANAGEMENT**

Set questionnaires

Define the session for feedback

Feedback collection

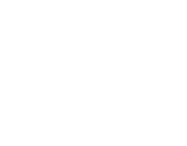
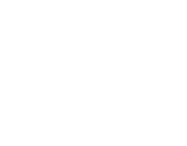
Submit feedback

**STUDENT**

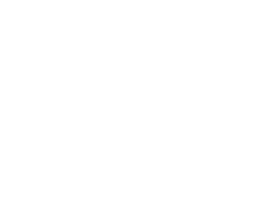
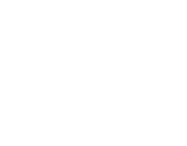
**FACULTY**

LEVEL -0 DFD:-

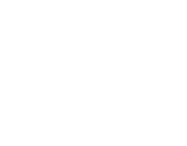
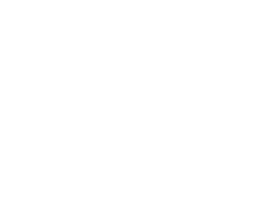
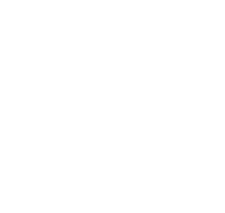
2.0



Collect feedback

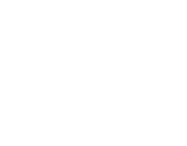


Management



4.0

Compute



1.0

defines

**Questionnaries**

Session time

Course

Course

**Set feedback**

submit

Faculty

Course

submit

Student

submit

view report

* **Class Daigram:**

Management class

Add Students()

Add Faculty()

Add Questions()

View Feedback()

User Name: String

Password: int

Faculty class

View feedback()

Student class

User Name: String

Password: int

User Name: String

Password: int

U

Give feedback()

**5.4 Sequence Diagram:-**

**5.4 Use Case Daigram:-**

For Co-ordinator module:-

Co-Ordinator

For Faculty Module:-

FACULTY

For Student Module:-

Student

**Chapter-6**

**6.1 Pseudo-code(All modules):-**

**CHAPTER 7.**

**IMPLEMENTATION**

**7.1 Technology used for Implementation**

**WAMP SERVER:**

* Wamp, or wampserver, is a software that allows you to use your computer as a local server, and "host" websites on it. It is a very useful tool to check how your website would work on a dedicated server, especially for back-end aspects, like PHP and MySQL
* By running a local Apache web server on a Windows machine, a web developer can test webpages in a web browser without publishing them live on the Internet. WAMP also includes MySQL and PHP, which are two of the most common technologies used for creating dynamic websites.

**JAVASCRIPT:**

Javascript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.

* JavaScript is a lightweight, interpreted programming language.

• Designed for creating network-centric applications.

**JQUERY:**

* It is a lightweight, "write less, and do more". It also simplifies a lot of the complicated

things from JavaScript

* There are lots of other JavaScript frameworks out there, but jQuery seems to be the

most popular, and also the most extendable

**CSS:**

**CSS** is the language for describing the presentation of Web pages, including colors, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers. **CSS** is independent of HTML

**7.2 Descriptions about modules implemented and sample code:-**

This Online Feedback Management System project contains Co-Ordinator,Faculty and Student module.

1. **Co-Ordinator Module:-**

In this module co-ordinator has viewing the feedback report and adding the staff deatails,adding the subjects,student details and set of questions.

**Source Code:-**

1. **Faculty:-**

In this module facult has to log in first then they can view only their feedback report.

**Source Code:-**

1. **Student:-**

In this module Student has to log in first then he/she can give feedback to their respected faculty members.

**Source Code:-**

**CHAPTER 8: TESTING AND RESULT**

**8.1 – Test Cases**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SL No** | **Module Name** | **Test Cases** | **Test Data** | **Expected Result** | **Actual Result** | **Status** |
|  | Valid Login as a co-ordinator | When user tries to login with valid username and password. | Klemca,  mca | Department feedback reports of all faculties should be displayed | Department feedback reports of all faculties is displayed. |  |
|  | Valid Login as a faculty | When user tries to login with valid username and password. | Klemca,  mca | Faculty feedback report of their own subject should be displayed. | Faculty feedback report of their own subject is displayed. |  |
|  | Valid Login as a student  Invalid Login | When user tries to login with valid username and password. | Klemca,  Mca | Faculty list along with subjects should be displayed. | Faculty list along with subjects is displayed. | Pass  Refer  Fig:11.1, 11.2 |
|  | When user tries to login with invalid username and password | bvbklemca,  klemca | display error message invalid username and password then send to Login Page | display error message invalid username and password then send to Login Page | Pass  Refer  Fig:11.3 |
|  | Co-ordinator | When co-ordinator Clicks on particular semester |  | All faculties feedback reports Should be displayed. | All faculties feedback reports is displayed. |  |
|  | Faculty | When faculty clicks on their subject. |  | Feedback report should be displayed along with graphs. | Feedback report is displayed along with graphs. |  |
|  | student | When student clicks on particular faculty. |  | Student should be able to answer given set of questions. then student has to submit their feedback of each faculty | Student is able to answer given set of questions. then student has to submit their feedback of each faculty |  |

**8.2 Unit Testing:-It** is a level of software testing where individual units/ components of a software are tested. The purpose is to validate that each unit of the software performs as designed. A unit is the smallest testable part of any software. It usually has one or a few inputs and usually a single output. In procedural programming, a unit may be an individual program, function, procedure, etc. In object-oriented programming, the smallest unit is a method, which may belong to a base/ super class, abstract class or derived/ child class. (Some treat a module of an application as a unit. This is to be discouraged as there will probably be many individual units within that module.) Unit testing frameworks, drivers, stubs, and mock/ fake objects are used to assist in unit testing.

**8.3 System Testing**

**8.4 Test Report (Give Link to the user manual)**

**CONCLUSION**

This project is design for the purpose to reduce the lecturer’s time and to reduce the burden of maintaining huge amount of records of students. At the time of feedback generation it apply formulae for generate a feedback of particular subject. After that it will displayed the whole record sheet to the staff, when the staff will login in the system. As the comparison with Manuel feedback or existing feedback system the new system is easier 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.

**FUTURE SCOPE**

This is not the overall description 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 college 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 retrieve the feedback details. Some more design can also be added in the particular system.

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