

# **Project Title: Faculty Feedback Management System**

**Category:** Web Application

## **PURPOSE**

The purpose of developing this “Faculty Feedback Management System” is to make the process of Faculty Feedback simple and easier by avoiding current manual feedback system.

## **SCOPE**

It will integrate the benefits of a feedback with the convenience of a ‘no manual’ feedback collection. This will provide more flexibility in getting the feedback without any manual distribution of feedback forms among the students. The system is more secure and reliable in terms of feedback cause the system ensures that a student cannot fill a form more than once.

## **Existing System**

The present system is a manual system or a semi-automated system. Manual system involves work in the form of creating and maintaining various Google forms. Creating and maintaining feedback forms for each and every course is a tedious process.

A manual system has following disadvantages :

- ✓ It’s a limited system and not user friendly.
- ✓ In the manual system faculty needs to spend a lot of time in creating the form.
- ✓ If a faculty teaches multiple courses, he/she needs to circulate different form for each one of those courses.
- ✓ A student can fill a form multiple times which makes the feedback data unreliable.
- ✓ A student can give feedback for a course which he/she is not enrolled in , which again makes the feedback data unreliable.

## **Proposed System**

The new feedback management system makes the process easier. The proposed system has three interfaces one for faculty, one for admin and one for students. Admin needs to enter the details of courses taken by each student, the section he/she is enrolled in and the details of the course instructors. Student needs to open the portal and select course from the list of courses available and submit the feedback. Faculty can login and view the responses submitted for their respective courses.

The system after careful analysis has been identified to be presented with the following modules:

### **Admin:**

**Upload data:** Admin uploads the credentials of faculty, student. Along with the credential’s admin needs to upload the list of courses and the list of each course taught by a particular faculty

**Add User:** Admin can add faculty/student to the database.

**Upload credentials:** Admin can upload credentials of faculty and students.

**Toggle feedback Status:** Admin can toggle feedback status whenever required.

**View responses:** Admin can view the feedback responses of all the courses submitted by the students.

### **Faculty:**

**Login:** Faculty will login using the credentials given by the admin.

**View responses:** Faculty can view the responses for their respective courses submitted by the students which comprises of two parameters namely average rating and remarks.

**Create Course:** Faculty can create the course for which he/she is willing to take feedback

**Delete Course:** Faculty can delete the course.

## **Student:**

**Login:** Student will login using the credentials given by the admin.

**Form submission:** Student can visit the portal, select the course from the list of courses he/she is enrolled in and submit the feedback. A student can submit feedback only to the courses he is enrolled in. The student interface ensures that a student can submit feedback for a course at most once.

## **Advantages for Faculty**

Advantages for the instructors are explained below:

**Flexibility for Faculty:** For faculty, feedback can be taken for multiple courses in a hassle-free way.

Faculty can view responses for all of his/her courses in the view responses dashboard. The average rating parameter will give a better insight regarding the feedback of a particular course.

**Time saving:** Another advantage to the faculty is that they don't need to spend time in creating feedback forms because feedback forms will already be provided by the system.

**Reliability:** The system ensures that the right student has filled the form and has not filled more than once thus ensuring the feedback data genuine and reliable.

## **Advantages for Students**

Advantages for the students are explained below:

**Time Saving:** Students need not to open multiple links for feedback. Feedback can be provided to every course at one place.

**Anonymity:** The student will remain anonymous to the faculty and admin because the system will ensure that the feedback does not carry any data related to student.

## **FUNCTIONAL REQUIREMENTS**

Functional requirements of our system are explained below.

1. Admin registers students and faculty with a user id and password.
2. Admin should provide the data regarding courses and students.
3. Faculty and students must have valid User ID and password to login.
4. Faculties can view responses from the students.
5. A stable internet connection is required for both faculty and students.
6. Admin can view responses of all the courses.
7. Faculty need not to create and distribute feedback forms.
8. Average rating will be displayed for a better insight of a particular course.
9. Admin can start/stop collecting feedbacks.

## **NON FUNCTIONAL REQUIREMENTS**

Non Functional requirements of our system are explained below.

1. Teacher and Student registration facility is accessible by admin only.
2. Reset the feedback data in every semester to get new feedbacks.
3. Anonymity of the student must be maintained.
4. Student must fill feedback only to the courses he/she is enrolled in.
5. Student must fill feedback form for a particular course at most once.
6. Available all the time (24 x 7).

## **SOFTWARE TOOLS**

**Database Server:** MYSQL

**Client:** Any web browser

**Languages used:**

**1. Front-end:** HTML, CSS, JS

**2. Back-end :** Python

**3. Framework :** Flask

## **DEPLOYMENT**

**Operating System Server:** Linux