STUDENT FEEDBACK AND EVALUATION SYSTEM

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1. Introduction

Feedback from students plays a crucial role in improving the quality of education. Traditional feedback collection methods such as paper forms or informal surveys are inefficient, time-consuming, and difficult to analyze. To overcome these challenges, the **Student Feedback and Evaluation System** is designed to digitally collect, store, analyze, and summarize feedback from students regarding courses and instructors.

This system uses **no-code and low-code tools** to automate feedback collection, generate summaries, and display aggregated ratings in a structured and accessible format.

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2. Problem Statement

A school or college requires a centralized platform to:

- Collect feedback from students on different courses and instructors
- Allow students to rate courses using a standardized rating scale
- Collect suggestions and qualitative feedback
- Automatically store and summarize feedback data
- Display aggregate ratings and feedback reports

Manual systems lack automation, data accuracy, and quick reporting capabilities.

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3. Objectives of the Project

- To create a digital system for collecting student feedback
- To design standardized rating scales and feedback questions
- To store feedback data in a structured database
- To automate notifications and acknowledgments
- To generate aggregated feedback summaries
- To present feedback results in an easy-to-understand format

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4. Tools and Technologies Used

Tool	Purpose
ChatGPT	Designing feedback questions and rating scales
Notion AI	Documenting project plan and feedback strategy

Tool	Purpose
Bubble	Front-end application for viewing feedback summaries
Airtable	Backend database for storing feedback
Jotform	Online forms for collecting student feedback
Make	Automation of notifications and acknowledgments
n8n	Workflow automation for feedback aggregation

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5. System Design Overview

5.1 Architecture

The system follows a modular architecture:

1. **Feedback Collection Layer (Jotform)**
    - Students submit feedback through online forms.
2. **Database Layer (Airtable)**
    - Stores feedback, ratings, courses, and instructor details.
3. **Automation Layer (Make & n8n)**
    - Make sends acknowledgment emails to students.
    - n8n aggregates ratings and generates summaries.
4. **Presentation Layer (Bubble)**
    - Displays aggregated ratings and feedback reports.
5. **Documentation Layer (Notion AI)**
    - Stores project documentation and progress notes.

5.2 Data Flow

1. Student submits feedback via Jotform
2. Feedback data is stored in Airtable
3. Make sends acknowledgment notification
4. n8n processes feedback and calculates aggregates
5. Bubble displays summarized feedback
6. Notion AI documents insights and progress

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6. Database Design (Airtable)

6.1 Courses Table

Field Name	Description
Course ID	Unique course identifier
Course Name	Name of the course
Instructor Name	Assigned instructor
Department	Department offering the course

6.2 Feedback Table

Field Name	Description
Feedback ID	Auto-generated ID
Course	Linked to Courses table
Instructor Rating	Rating (1–5)
Course Content Rating	Rating (1–5)
Teaching Quality Rating	Rating (1–5)
Overall Rating	Rating (1–5)
Suggestions	Text feedback
Submission Date	Date of feedback

6.3 Aggregated Feedback Table

Field Name	Description
Course	Linked course
Average Rating	Calculated average
Total Responses	Number of submissions
Summary Insights	Generated summary

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7. Feedback Collection (Jotform)

Jotform is used to create user-friendly feedback forms for students.

Form Fields Include:

- Course selection
- Instructor name
- Rating scale (1–5)
- Suggestions / comments
- Submit button

Once submitted, responses are automatically sent to Airtable.

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8. Automation Design

8.1 Make Automation

Make is used to:

- Monitor new feedback entries in Airtable
- Send acknowledgment emails to students
- Notify faculty or administrators when feedback is received

8.2 n8n Workflow

n8n is used to:

- Aggregate ratings for each course
- Calculate average ratings
- Generate summary insights from feedback text
- Update aggregated data tables in Airtable

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9. User Interface Design (Bubble)

Bubble is used to create a dashboard for faculty and administrators.

Features:

- Course-wise feedback summary
- Instructor ratings
- Average rating display
- List of student suggestions
- Simple charts or tables

Bubble fetches data directly from Airtable and does not perform calculations.

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10. Documentation Using Notion AI

Notion AI is used to:

- Document feedback strategy
- Track project milestones
- Maintain system design notes
- Store automation logic explanations

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11. Project Links

Jotform Feedback Form:
https://form.jotform.com/260371615655054

Airtable Database (Read-Only):
https://airtable.com/invite/l?inviteId=inv0sQ2sPJMjnbQfz&inviteToken=baf5dd43780bc6e69caace64fee1f0eda63fdb7efc35d5f4397779e829623efa&utm_medium=email&utm_source=product_team&utm_content=transactional-alerts

Bubble Dashboard:

https://727823tucs363-38147.bubbleapps.io/version-test?debug_mode=true

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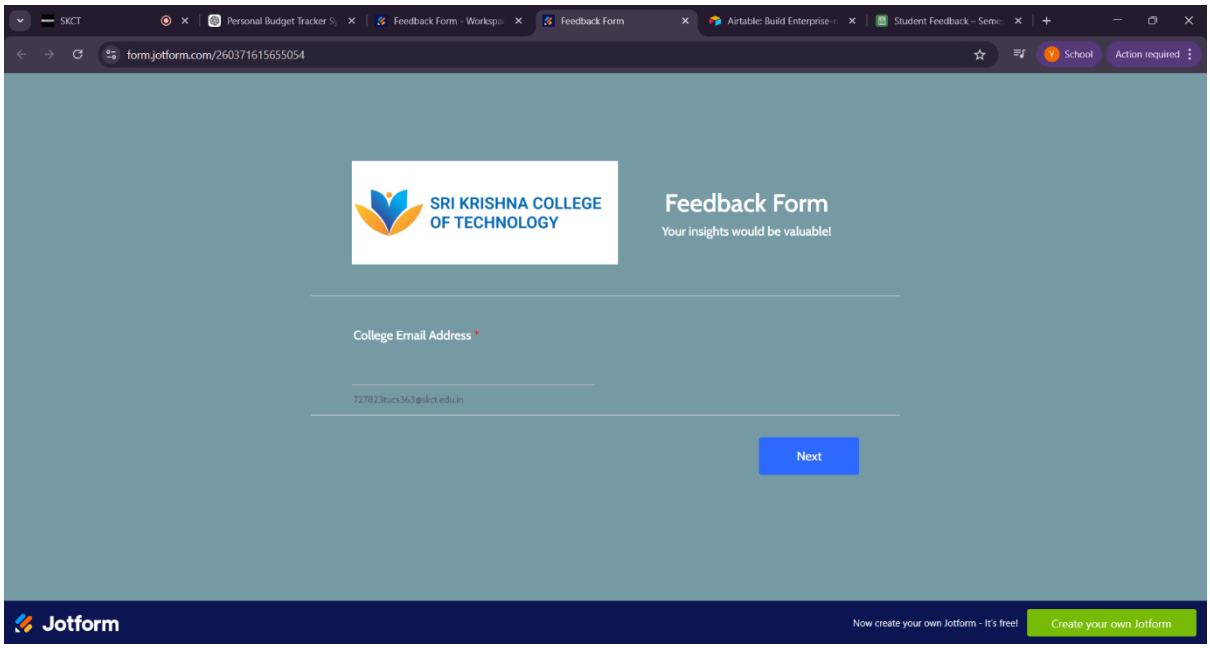
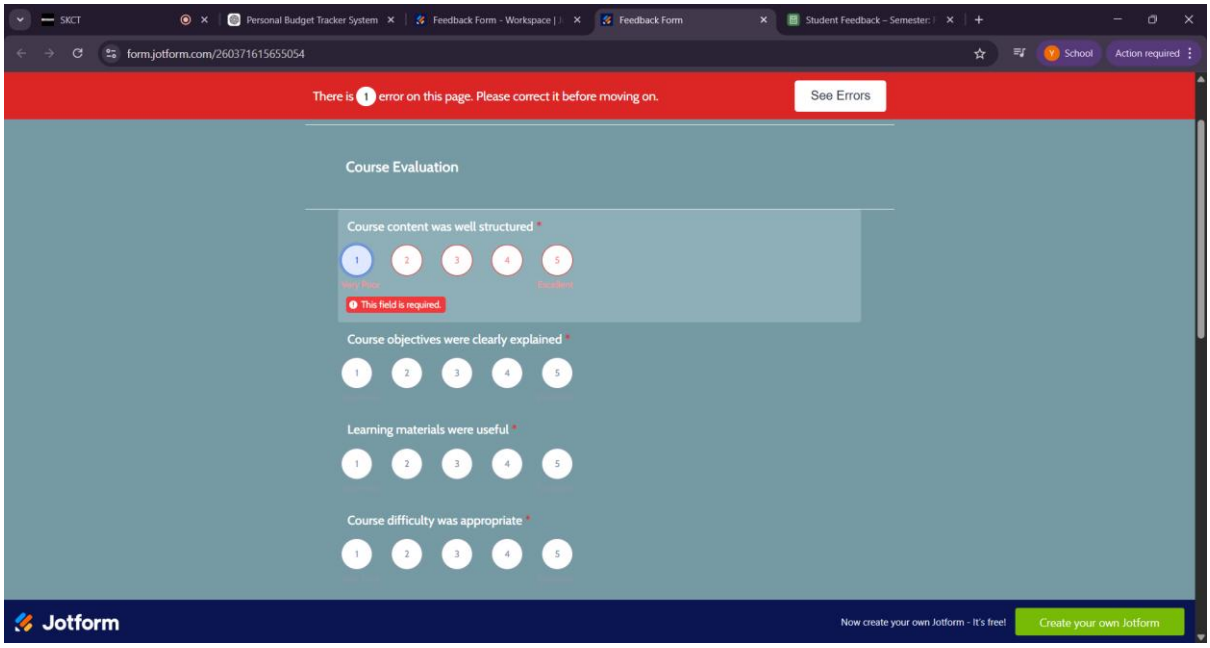
12. Screenshots and Implementation Evidence

Screenshot 1: Jotform Feedback Form

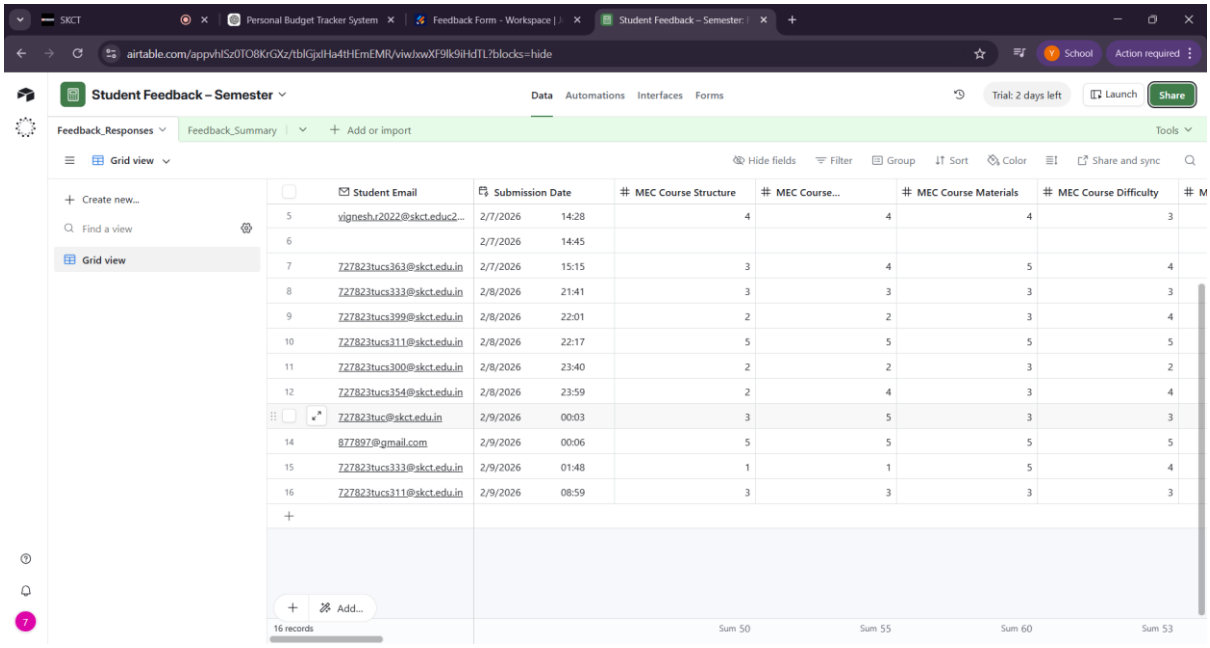
Figure 1: Online feedback form used by students

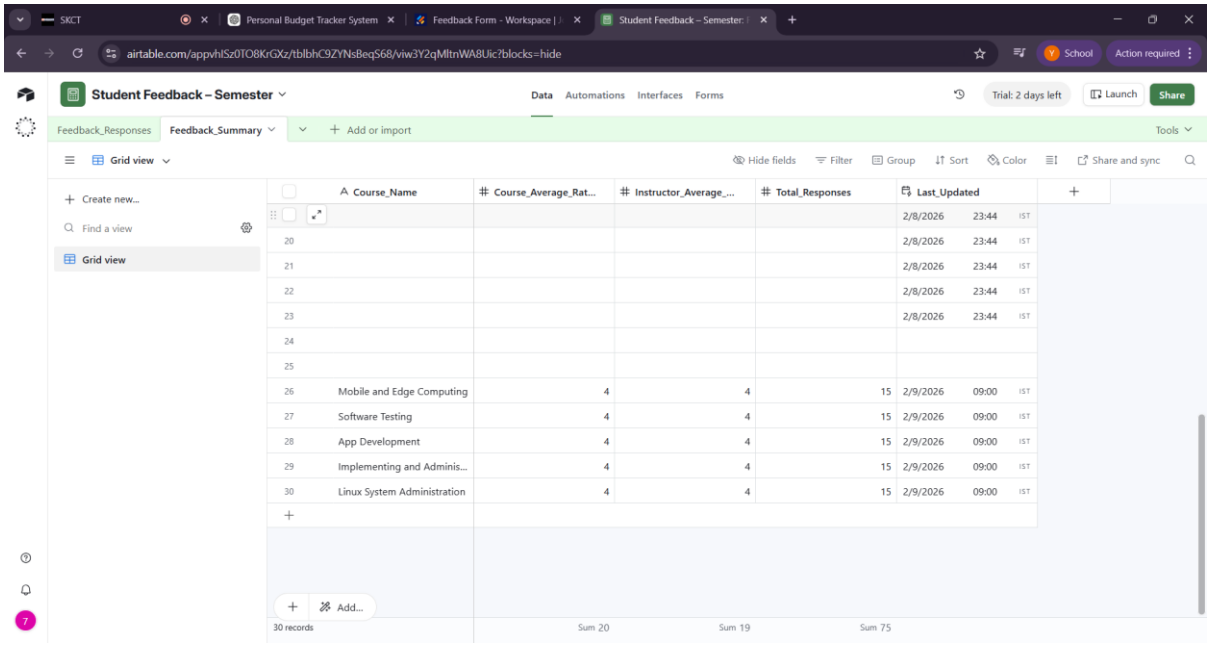




Screenshot 2: Airtable Feedback Table

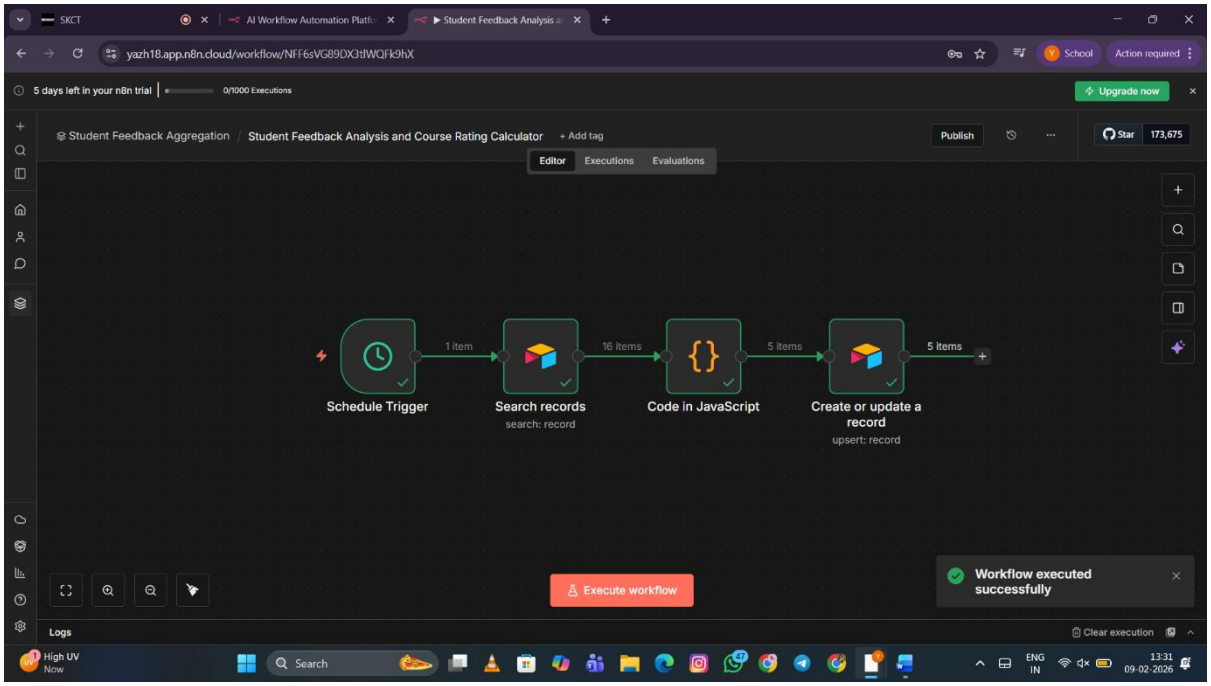
Figure 2: Airtable table storing student feedback





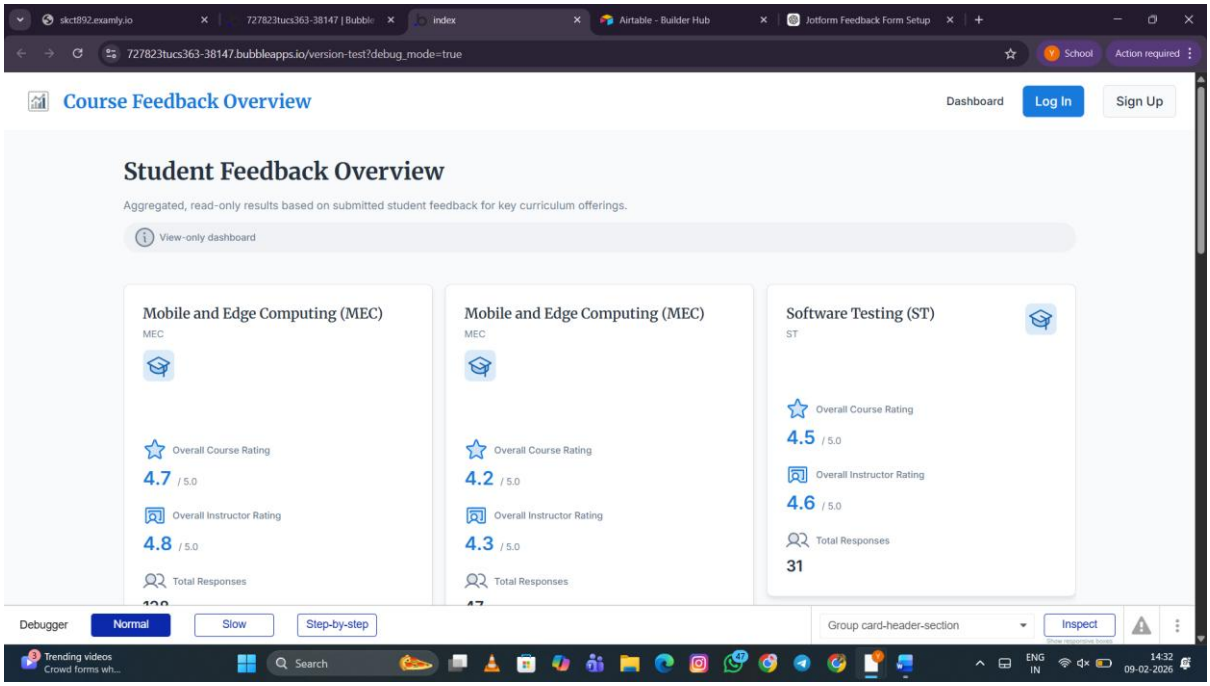
Screenshot 4: n8n Workflow

Figure 4: n8n workflow for feedback aggregation



Screenshot 5: Bubble Dashboard

Figure 5: Bubble interface displaying feedback summaries



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13. Features Implemented

- Online feedback collection
- Standardized rating scales
- Automated acknowledgments
- Feedback aggregation
- Course-wise summary reports
- Centralized documentation

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14. Advantages

- Fully automated feedback process
- Easy to analyze and report
- No manual data handling
- Scalable for large institutions
- Built using no-code tools

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15. Limitations

- Requires internet access
- Single institution focus

- Advanced sentiment analysis not included

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16. Future Enhancements

- Student authentication
- Anonymous feedback option
- Advanced analytics dashboards
- SMS/WhatsApp notifications
- AI-based sentiment analysis

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17. Conclusion

The **Student Feedback and Evaluation System** provides an efficient and automated approach to collecting and analyzing student feedback. By integrating Jotform, Airtable, Bubble, Make, n8n, and Notion AI, the system ensures accuracy, scalability, and ease of use. This project demonstrates how modern no-code tools can be effectively used to solve real-world educational challenges.