



ABSTRACT

In the rapid evolving field of education, maintaining an up-to-date and effective curriculum is vital, yet traditional curriculum review processes are slow and inefficient. We propose an automated curriculum review system using Microsoft Forms, Power Automate, and Power Apps to streamline this process. By automating data collection, routing requests, and documents generation, the system not only reduces manual workload, but also speeds up feedback loop and enhances communication among staff. This integrated approach proves to be effective to ensure curriculum are updated and aligned with academic standards and industry needs, ultimately leading to better educational quality and improved student outcomes.



INTRODUCTION

Problem Statement: Traditional methods of curriculum review are time-consuming, prone to miscommunication among teaching staff, and often result in the use of outdated or incorrect versions of curricula. These inefficiencies hinder institutions' ability to keep curricula aligned with current academic standards and industry demands.

Objective: The primary goal of this project is to streamline and expedite the curriculum review process, reduce manual workload, improve communication among staff, and enhance the accuracy and consistency of reviews.



Proposed solution: Using technologies like MS Form, Power Automate, and Power Apps, this automated system is potential to make the curriculum review and update more efficient.



METHOD

The automated curriculum review process is implemented using a combination of MS Form, Power Automate, and Power Apps. The method consists of several key steps:

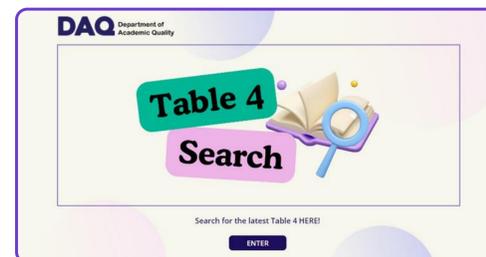
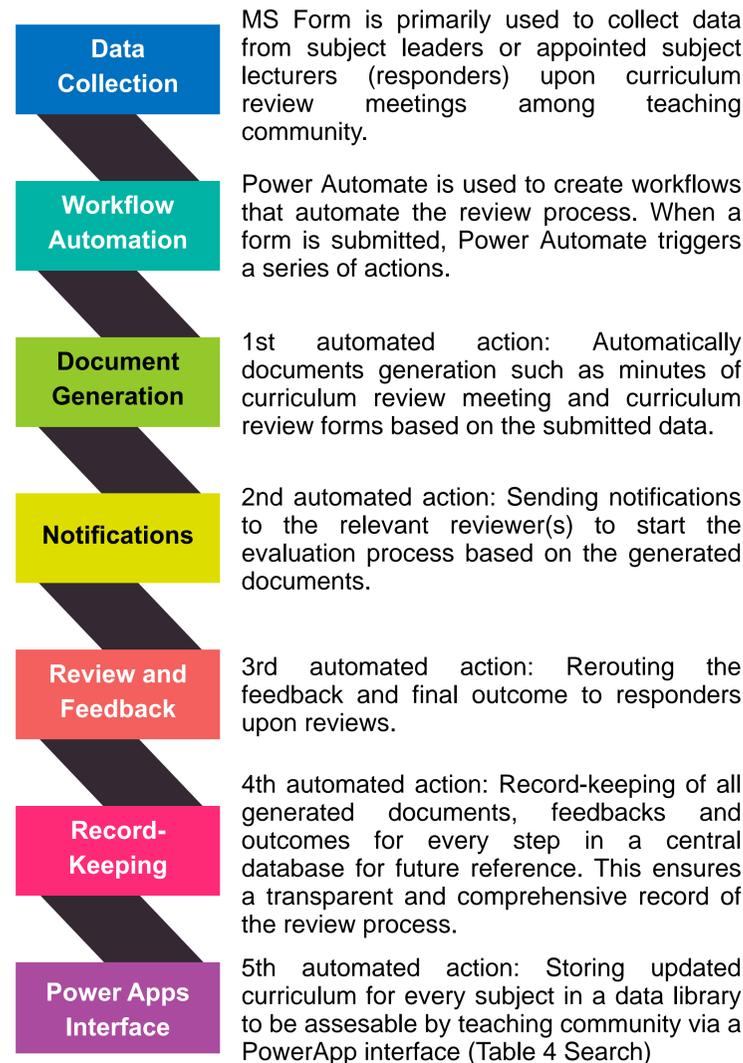


Figure 1: Power Apps Interface for Table 4 Search

RESULTS & DISCUSSION

The implementation of the automated curriculum review process using MS Form, Power Automate, and Power Apps yielded significant improvements in efficiency, accuracy, and overall effectiveness of curriculum management.

Increased Efficiency: The automated system reduced the time required for curriculum reviews, allowing them to be completed in a single day. Tasks that previously took weeks to accomplish are now finished in a matter of days. The immediate generation of documents and automated task assignments have expedited the overall process.

Improved Feedback Quality: The system facilitated timely and structured feedback from reviewers. The ability to provide comments directly within the app led to more comprehensive and actionable insights, enhancing the quality of the curriculum.

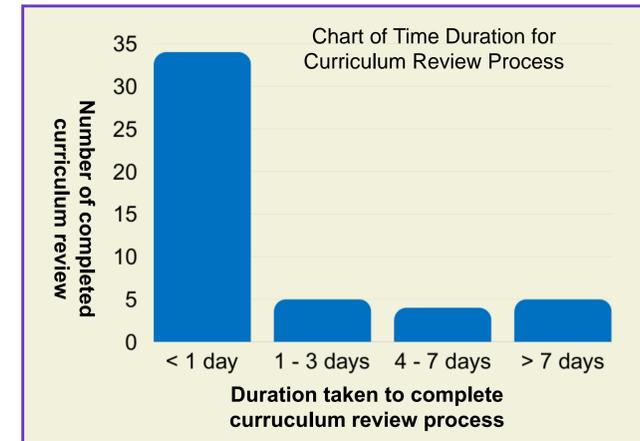


Figure 2: Duration taken to complete curriculum review process

Streamlined Record-Keeping: All documents and feedback were automatically stored in a central database, ensuring easy access and retrieval for future reference. This improved transparency and accountability in the curriculum review process.

Alignment with Standards: Regular automated reviews ensured that curricula remained aligned with current academic standards and industry requirements. This proactive approach helped in identifying gaps and making necessary adjustments promptly.

Enhancing Data Security: Access logs have greatly improved data security by tracking and recording user activities, such as data downloads. Each event is logged with details like user identity, timestamp, and data type, enhancing transparency and accountability. This ensures that only authorized users access sensitive information and facilitates better tracking and auditing.

CONCLUSION

The automated curriculum review system improves the overall quality of education by ensuring curricula are consistently updated and aligned with academic standards. The integration of MS Forms, Power Automate, and Power Apps proves to be an effective solution for modernizing curriculum review processes, ultimately contributing to higher educational standards and improved student outcomes.



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