The Analysis of Technology Assessment in Training and Education at English Department Students

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Abstract: The use of scientific information, tools, and methods for practical purposes is called technology. It includes creating systems, products, and procedures to improve efficiency and convenience in various industries, including education and training, particularly in the Department of English at Muhammadiyah University of Mataram. This research aims to analyze students' learning progress by integrating technology into the classroom. Using qualitative observation methods, the researchers gathered insights from 29 English-speaking students using Google Forms. Evaluating technology in education is crucial for improving learning objectives and teaching methods. The results showed that 82% of students found Google Forms user-friendly and effective for the midterm exam. Positive feedback indicated that the forms worked well, enhancing the learning process and teaching techniques. Technology assessment helps identify areas for improvement, driving innovation and progress in pedagogy. By continually evaluating and integrating digital tools, teachers can customize methodologies, create engaging learning environments, and support student growth. Educators must adopt ongoing assessment procedures to maximize technology use in training and teaching as technology advances.

Keywords: Technology; Assessment; Education; English Department Students

INTRODUCTION

Technology is the application of knowledge, tools, and techniques from science to real-world problems. This involves developing methods, tools, and systems to improve efficacy, convenience, and efficiency in a variety of fields, including education and training, particularly at Muhammadiyah University of Mataram's English Department.

With the speed at which technology is developing, digital solutions are now commonly used in education (Quintero and colleagues, 2019; Radianti and colleagues, 2020). This covers the use of collaborative learning environments, interactive digital apps, and online learning platforms in the classroom. Additionally, the widespread adoption of digital technology in education is being fueled by the accessibility of portable digital devices like smartphones and notebooks. Immersion virtual worlds are becoming more and more popular as a teaching and educational tool because of their accessibility, low cost, and quick technological advancements. (Jensen and Konradsen, 2018; Akkoyun, 2017). The entire educational system has undergone a paradigm shift because of this digital technology. This includes information makers, mentors, and assessors, in addition to knowledge sources. The integration of technology into education has simplified the lives of students. Today's students create presentations and projects utilizing a range of software and tools rather than pen and paper. In terms of weight, an iPad is comparable to a stack of notebooks. E-books are easier to

browse than bulky books. Technological assessment comes out as one of the best things for teachers since it will make it easier to conduct assessments during the teaching process. Technology can be used in many ways to accomplish one of them. One of the websites used by the researchers in this assessment technique is Google Forms. The aim of this research is to analyze the student learning process development for integrating technology into the classroom. In this research, the researcher used a qualitative observation method, namely collecting insights about user experiences regarding technology by using Google. A major obstacle to improving teaching and learning experiences using technology in the classroom in the absence of reliable assessment techniques. Comprehensive assessment frameworks are desperately needed to gauge how well digital tools and platforms are working and how it affects students results, teaching approaches, and institutional objectives. This is because educational institutions are embracing these tools and platforms more and more. In sufficient assessment processes can lead to lack of essential information for educators and policymakers when making decisions about technology integration. This could result in inequities in educational attainment, engagement, and access. Therefore, the main thing is to put into practice rigorous assessment methods that allow stakeholders to assess the effectiveness of educational technology efforts and maximize.

Technology assessment maintains a crucial role in informing the process of developing ideas related to the adoption, application, and assessment of educational technology. Through systematic evaluation, research, and policy development, it is possible to assess the effectiveness of technology-driven learning strategies, identify areas for improvement, and develop sound judgment regarding the arrangement of course materials and curriculum. In addition, technological advancements facilitate evidence-based practice by providing empirical data to support pedagogical decisions and im-prove student learning outcomes.

METHOD

In this research, the researcher used a qualitative observation method, namely collecting insights about user experiences regarding technology by using google form. The subject of this study is a sixth semester in English major at Muhammadiyah university of Mataram. The data collection technique is carried out via email using an API provided by the class WhatsApp group. There are 29 students who have responded, and they gave feedback based on the actual conditions. According to re-search findings by Septiawan (2020), research that does not provide control over the subject as a respondent under investigation indicates that data is derived based on the existence of information.

A Google Form is an online application that lets users make forms, quizzes, questionnaires, and surveys that are customizable. Different question types, including multiple-choice, short response, dropdown menus, checkboxes, and more, can be included in form designs by users. Features like real-time response tracking, automatic data collecting, and simple form sharing via an embedded code or link are all available with Google Forms. Google Sheets spreadsheets automatically save responses from Google Forms, making it easy for users to examine and visualize data. Google Forms is a popular tool for doing research, planning events, getting user input, and efficiently and quickly collecting information. Using Google Forms for data gathering samples were obtained. Respondents will complete a few questions on the questionnaire via the website or Google Form. Technique for gathering data by employing technology to test mastery of questions. Two days were allotted to respondents to complete the survey. you can enter the time and amount required for the reporting procedure by using a Google Form. It is not necessary to utilize a manual, write by hand, or physically fill out a form.

RESULTS AND DISCUSSION

The result of this research is raising and developing the learning process and improving the effectiveness of teaching techniques require technological assessment in training and education, using this technology assessment, the instructor may pinpoint both the strengths and weaknesses in the learning process, allowing them to modify the approach or model being used. The use of technology in the classroom facilitates the development of a more dynamic, cooperative, and student-centered learning environment. Teachers can adjust their methodology, create engaging learning environments, and gain a better understanding of students' growth by carefully evaluating and incorporating digital tools.

The findings of the researchers' observations of 29 English-language learners connected the usage of technology in the learning process and its role as a tool for learning evaluation. However, research indicates that pupils' willingness to learn is much increased and they feel greatly helped. One of the most crucial aspects of the learning process is assessment. Teachers can use assessment to find issues and challenges that a student is having. For instance, some students may be having trouble speaking. Based on this information, the teacher can then create a lesson plan that will help the student develop those skills. Google Forms is one piece of technology that teachers can use to assist with evaluations. It is an evaluation tool. Google Form: An excellent tool for EFL assessments, Google Form saves time and effort, adjusts to the demands of students, is less expensive, provides detailed results, and has practical features. Of the 29 students, 82% said that using Google Forms is easy and that it saves time when answering questions. Students also think that using Google Forms is enjoyable and enhances their proficiency with tablets and computers. Finally, students are more satisfied with Google Forms than with paper forms because they are more effective than paper ones. By administering the test through a Google Form, educators may quickly ascertain each student's level of grasp of the material and collect scores without having to go over each student's work one at a time, the use of technology in learning, both within and outside of the classroom, is referred to as technology integration in education. It involves enhancing teaching, learning, and evaluation using hardware, software, applications, and online platforms.

CONCLUSION

In the current day, technology assessment in education has grown in significance and offers numerous advantages to students, teachers, and educational institutions. By incorporating many technological tools and platforms, such Google Forms for the final semester exam, technology enables customized learning that caters to the needs and learning preferences of each individual student. Real-time analysis of student performance data via adaptive learning platforms enables the provision of tailored resources and recommendations to enhance comprehension and mastery of subjects. Furthermore, technology streamlines administrative procedures and evaluation assignments, lessens the workload for teachers, and maximizes instructional time. Digital assessments, data analysis tools, and automated assessment systems make it possible to monitor student performance and progress effectively, allowing for prompt intervention and support.

From this research, researchers hope that students will be able to adapt to developing technology and will later use it when they become teachers. This research can also add insight to readers and researchers themselves, the researchers also hoped that the teacher would not only use google forms but also other technologies so that students will not get bored using just one application.

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