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## Implementing Blended Learning

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**Abstract :** In today's educational system, educational technology is highly beneficial. The adoption of new terms like "Blended Learning" or "Hybrid Learning" has elevated the significance of educational technology. The usage of blended learning has increased dramatically over the last ten years, particularly since the pandemic. It is a hybrid of online and offline learning where students can learn at their own speed and professors can instruct. The goal of the current systematic review is to identify future trends in blended learning within the current educational environment. In a blended learning setting, students may attend in-person classes a few days a week and do the remainder of their schoolwork online using learning management systems (LMS) like Canvas, Moodle, or Google Classroom. This approach promotes a more engaged and independent learning process in which technology is used to supplement teachers rather than to take their place.

**Keywords:** Hybrid Learning, blended learning and Google Classroom

### INTRODUCTION

Students enthusiasm for their studies is known as student engagement. Increased student participation can lead to higher learning results, which in turn can encourage more student engagement. It has been discovered that students' academic learning outcomes are improved by blended learning, which combines the advantages of in-person instruction with online instruction. It's still unknown, though, whether and how mixed learning settings improve student involvement and learning outcomes not only academically, but also personally, socially, and in terms of citizenship. It is crucial to understand how to successfully combine online and in-person learning and how doing so might motivate students to study. This information is crucial for both professionals in higher education and for comprehending the field. For instructors and legislators who wish to implement and oversee blended learning as a way to enhance student engagement and, consequently, learning outcomes in higher education, this paper attempts to give an overview and insight into the data.

## The Importance of Blended Learning

The need for flexible education systems, a variety of learning demands, and technological advancements have all contributed to the growing significance of blended learning in the educational landscape of the twenty-first century.

### 1. Increases Flexibility in Learning

Because they may access resources at any time and from any location, students can study at their own speed and go over difficult subjects again as necessary.

### 2. Encourages Participation from Students

Lessons become more interactive with the use of digital resources like gamified quizzes, films, simulations, and virtual debates, which encourage involvement and interest.

### 3. Encourages Customized Education

Teachers can use web analytics to monitor students' progress, spot learning gaps, and give tailored comments.

### 4. Fosters Lifelong and Digital Skills

Students acquire crucial 21st-century skills that are vital in both higher education and the workforce, such as digital literacy, time management, and self-motivation.

### 5. Increases Educational Resource Accessibility

Through open educational resources, online courses, and professional lectures, blended learning gives students access to a worldwide network of information.

### 6. Strengthens Academic Resilience

In the event of pandemics, natural disasters, or other calamities, the model guarantees learning continuation.

## Blended Learning Implementation

Careful planning, teacher preparation, and technology preparedness are necessary for blended learning to be implemented successfully.

### 1. Curriculum Development

Teachers should decide which sections of the curriculum are best taught in person and which can be completed online. The balance must be in line with the demands of the students and the learning objectives.

### 2. Choosing Platforms and Tools

Digital tools and appropriate Learning Management Systems (LMS) should be implemented by educational institutions. For interactive learning, popular platforms include Moodle, Google Classroom, Microsoft Teams, Zoom, and Kahoot.

### 3. Professional Development for Teachers

In addition to learning how to use digital tools, teachers also need to be taught in creating interesting online content and efficiently running virtual classrooms.

### 4. Orientation and Support for Students

In a partially virtual setting, students should receive instruction on time management, responsible use of online platforms, and maintaining motivation.

### 5. Constant Evaluation and Input

Teachers can utilize a variety of evaluation techniques, including online tests, projects, and peer conversations, thanks to blended learning. Students stay motivated and on track when they receive regular feedback.

## Technology and Instruments for Blended Learning

Technology plays a major role in blended learning by facilitating student involvement and delivering online information. The following are some common tools and technologies seen in blended learning settings:

### 1. Systems for Learning Management

A centralized platform for planning and distributing online curriculum, monitoring student progress, and promoting teacher-student collaboration is offered by LMS systems.

### 2. Video Conferencing

Real-time virtual classroom sessions are made possible by platforms like Zoom and Google Meet, which let teachers and students communicate and work together from a distance.

### 3. Tools for Online Collaboration

Students can work together on projects, exchange ideas, and give feedback to their classmates using tools like Google Docs, Microsoft Teams, and Padlet.

### 4. Resources for Interactive Learning

Students are engaged and given practical learning opportunities through interactive simulations, virtual labs and online Classes.

### 5. Software for Adaptive Learning

By modifying the content and pace according to each student's requirements, adaptive learning platforms such as Khan Academy and Dream Box personalize the educational experience.

These technology and tools are always changing, giving teachers more ways to improve blended learning and meet the varied requirements of their students.

## Teachers' Role

Teachers continue to be at the center of the educational process, even if technology is essential to blended learning. Blended learning necessitates qualified teachers who can successfully incorporate technology into their lesson plans and provide their students with engaging learning opportunities.

In blended learning settings, instructors serve as mentors and facilitators, helping students learn and offering assistance as required. They create and select online content, lead conversations, and provide students prompt feedback. Teachers may give their pupils a more individualized and interesting learning experience by utilizing technology. Additionally, teachers are essential in evaluating students' progress and modifying curriculum as necessary. To pinpoint areas where students might struggle and offer

focused treatments, they leverage information from online tests and student interactions. This tailored approach guarantees that every student gets the help they require to be successful.

### Conclusion:

Adopting blended learning is essential to realizing the promise of education as the world develops at a rapid pace. This strategy is essential to creating a better future for students everywhere because of its capacity to improve student results, boost engagement, and personalize learning. The greatest features of both traditional instruction and online learning are combined in blended learning, which provides a flexible and dynamic educational paradigm. Blended learning enables students to become active learners, critical thinkers, and collaborators by utilizing technology and offering individualized learning experiences.

Careful planning, continuous assistance, and a readiness to adjust to the evolving requirements of students and the educational landscape are all necessary for the successful implementation of blended learning. Academic institutions can use blended learning to prepare students for the opportunities and challenges of the future by investing in the required resources, offering professional development to teachers, and encouraging collaboration among all stakeholders. By working together, we can fully realize blended learning's promise and revolutionize education for coming generations.

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