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Edited Book

TEACHING LEARNING

AND



INNOVATION^s

IN ICT



Editor

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TITLE

Edited Book

TEACHING LEARNING AND INNOVATIONS IN ICT



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About the Book

"Teaching Learning and Innovations in ICT" is a book that focuses on the integration of information and communication technology (ICT) in education. Written by various experts in the field of education and ICT, this book aims to provide teachers and educators with a comprehensive understanding of how to use technology to enhance learning and teaching.

The book begins by introducing readers to the concepts of ICT and its potential impact on education. It then delves into the various technological tools and resources that are available to teachers, such as multimedia, interactive whiteboards, and e-learning platforms. The authors also explore the ways in which ICT can be used to promote student-centered learning, collaboration, and creativity.

One of the key themes of the book is the importance of innovation in education. The authors emphasize the need for teachers to be flexible and adaptable in their use of technology, and to continually seek out new and innovative ways to engage students and promote learning. They also stress the importance of incorporating emerging technologies, such as artificial intelligence and virtual reality, into the classroom.

Another important aspect of the book is its focus on the role of teacher training and professional development in promoting the effective use of ICT in education. The authors provide practical guidance on how to design and implement effective professional development programs that will enable teachers to acquire the skills and knowledge they need to use technology effectively in the classroom.

Overall, "Teaching Learning and Innovations in ICT" is an informative and practical guide for teachers and educators who are looking to incorporate technology into their teaching practice. The book provides a wealth of insights, strategies, and practical tips that can help teachers to harness the power of technology to enhance student learning and engagement.

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AN ANALYSIS OF NEW EDUCATION TECHNOLOGY IN PRESENT ERA'

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"By Education I mean an all-round drawing of the best in a
child and man in body, mind and spirit."

- Mahatma Gandhi Ji

Introduction: Nearly 2 years ago, software development specialists talked a lot about machine learning and the Internet of Things. Today, the use of these technologies has become a part of the distance learning strategy. But in the background of the already implemented tech solutions, we see something new. The innovative trends in educational technology are coming to action. They promote student-centered learning. These top trends in educational technology allow for higher engagement and connectivity. They emphasize collaboration and versatility. But what are these? Let's figure this out.

E-learning: Today, we witness a rising demand for distance learning and training because of the evident reasons. Some years ago, attending a workshop or lecture abroad was a great adventure for both

TEACHING LEARNING AND INNOVATIONS IN ICT

students and employees. But today, people avoid attending mass events and prefer to manage their learning and training online. This is why the trend of e-learning is growing. E-learning is the process of delivering education via electronic devices. E-learning can be implemented for both employee training and student education. PCs, laptops, tablets, mobile phones are used for information delivery. These tools assist educators and facilitate the learning process.

Higher academic performance, greater student engagement, better learner outcomes. This is what we get with e-learning. Instead of being passively involved in a lesson, students can continuously interact with teachers and peers. They can play games, pass quizzes, ask questions, create visual elements online. They can memorize new information quickly and effectively. As you see, e-learning provides students with an interactive and collaborative environment. In 2018, we knew that the e-learning industry market size would grow to \$325 billion by 2025. In 2021, we knew that edtech had to reach the point of \$1 trillion in 2027. Sounds impressive, right? E-learning gives you a toolset for information processing. Animation, 3D slides, video, images, podcasts, multi-functional whiteboards, and much more. You have to decide yourself what features to implement. And if you are not sure whether to build your own e-learning or buy an off-the-shelf one, check out our article. Here, you will compare both scenarios and decide which one to choose.