



TEACHING 21st CENTURY SKILLS THROUGH INTERACTIVE DIGITAL LEARNING PACKAGE (IDLP)

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Abstract

The shift from in-person to remote learning has led to crisis management. Teachers find it more challenging as content designing and presentation have to undergo drastic change through many face-to-face methodologies could be adapted in the digital context. The critical challenges in this 'new era' is to make learners motivated' productive and responsible through digital learning. As the use of digital learning in teaching learning process become more innovators in fields like space exploration and information, communication technologies. The digital India programmer is assign in the transformation of the entire country into a knowledge-based society. The relationship between technology and education at all levels is reciprocal while education is crucial to this transition, technology will also improve the educational process and outcomes. In this paper we will discuss the "Teaching 21st century skills through IDLP (Interactive digital learning package). The focus of this paper is on major challenges faced by teacher in teaching 21st century skills through digital learning package. In teaching learning process the digital learning will play a vital role in teacher education. There is a rapid increment of advanced learning in teacher education. There is complete focus on knowledge of students with the help of Digital Learning Package which can improve digital learning in Teacher Education Programs.

Keywords- 21st century skills, Interactive digital learning package (IDLP)

Introduction

The emerging scenario of the global education focuses on various skills rather than enforcing knowledge acquisition. The need of new skills for reaching towards sustainable development goals leads towards evolvement of new concepts of various dimensions of education especially skills. One of the most important concepts of these kinds is "21st century skills". The term 21st century skill refers to the combination of three types of abilities: cognitive, interpersonal and intrapersonal skills. These abilities work in parallel with one another rather than sequentially.

There are numerous elements from each of 21st century skills. The three components of the cognitive skills are critical thinking, problem-solving, and creativity. The interpersonal skills which includes- communication skills, social skills, teamwork, dealing with problems, and the third dimensions of intra-personal skills are – self-

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management, self-regulation, Time-management, self-development, Adaptability. Students need 21st century skills in order to succeed in world that is changing rapidly.

The need for 21st century skills is inevitable for the career prospects of students. Through 21st century skills the students who are lack of appropriate knowledge and skills can resolve their problems. The 21st century skill is not based on traditional teaching methods but to involve in developing learners' real-life skills to meet up demands. The requirement for learners to master these skills is one of the most major concepts in education today.

Teachers play a vital role in making the students, perceive the subjects knowledge which is pertaining to the context of real-life situations. The teacher develops every skill in the students by implementing skill-based activities in their classroom. Hence it can be said that incorporating 21st century skills in pedagogical approaches will be more effective in equipping their learning skills. When teachers are digital gurus, they can have put together the learning strategies in their classroom. This can increase the effectiveness of content delivery. For this the teacher used to explore innovative and creative ways of using technology for teachers.

As the educational climate is turning out to be totally digital the teacher can make best use of 21st century skills in teacher education in digital form. With the help of technology 21st century skills are fostering & can be beneficial for the pupil -teachers. As teachers are becoming more friendly with technology and trying to make their classroom more interactive and attractive. For making interactive activities teachers or learners are taking use of digital learning. Digital learning material is helpful in teaching learning process.

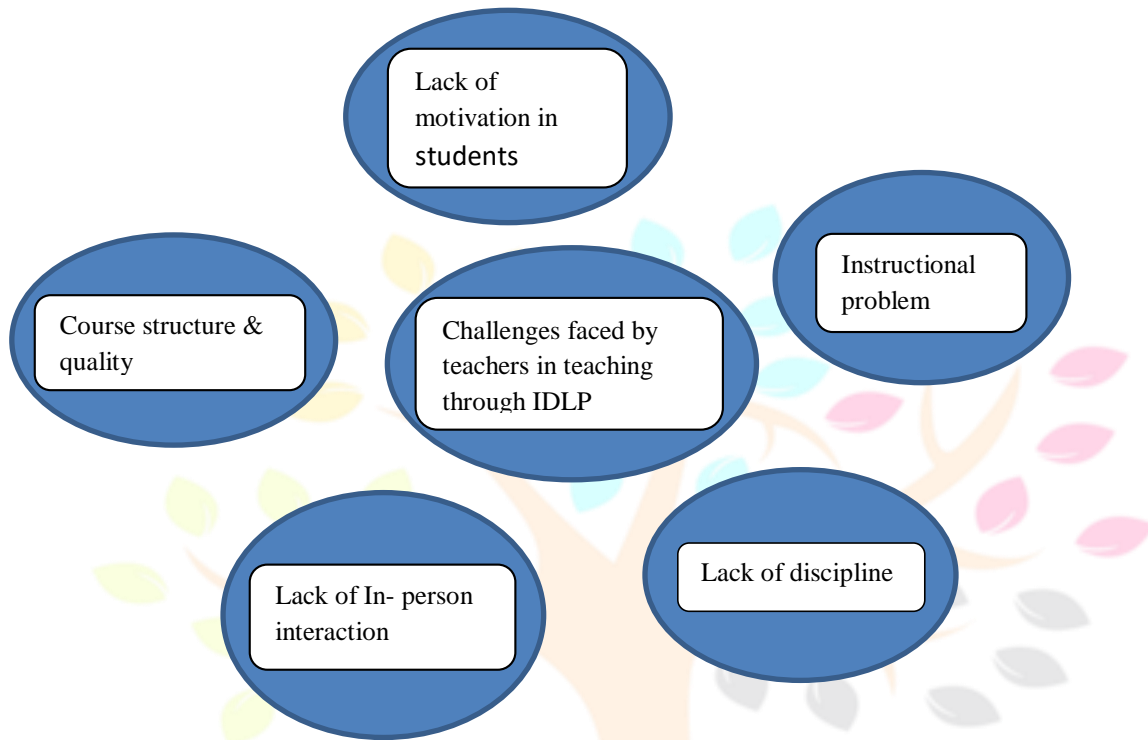
Digital learning material is study material published in digital format. Those include e-learning material, e-textbooks, educational videos, and e-tests, etc. digital learning material enhance the efficiency of teaching and offer more diversified learning experiences without limitations of time, space and place. Student's interaction with digital learning material can be possible with the help of digital learning. Digital learning is learning based on the use of new technological tools to enable learners to learn in different ways, whether it is face to face learning, distance learning or blended learning. The advantage of modern technology has brought about many mutations in every sphere of life across the globe making in the 21st century as an era of technology. The education system of 21st century is to make learner digital in education with the help of support structures. The support structures can be referred as Multimedia learning package, Multimedia instructional package, Digital learning package, Digital instructional package and Interactive digital learning package.

With the help of Interactive digital learning package, the students have comprehensive view of their content. They may consist of number of different elements, such as text, photos, audio, and videos including animation, self-test questions, and other interactive features. IDLP may be important for enhancing the education because it permits the students and educators to approach the course where they have an electronic gadget. And it is more beneficial to utilize electronic gadget for teaching learning process.

We may considered following characteristics of IDLP-

1. IDLP is one of the quickly growing modes of education and people are widely accepting.
2. IDLP is something that gives an opportunity to attach with experts from any part of the world.
3. They consume less money as well as less time.
4. With the help of IDLP, teachers can schedule class at our convenience.
5. Remote teaching got more popular during the pandemic.
6. Increase student's engagement.

With the help of technology digital learning package can be formed and it will be beneficial for pupil-teachers which can helpful in teaching learning process. But while teaching online with the help of IDLP teacher faces many challenges.



1. **Lack of Motivation in students**– It was thought that digital learning would be the new interactive method to teach the new generation of students. Though, the results speak on the contrary. Endless oceans of texts, quizzes and MCQs have led to students losing motivation to keep revisiting the learning portal. Students complain of lacking motivation due to a lack of interpersonal touch between the students and the teachers in the digital classes.

The need for physical interaction between the students is also a necessity for maintaining engagement which the digital learning methodology has no answers for yet. The difficulty of digital learning lies not only in the overwhelming amount of textual content but also in the absence of real life-time interaction. Teachers find it more challenging to stay engaged and motivated without physical interaction that traditional classroom offers.

2. **Instructional problems**– While teaching through digital learning package teachers face problem in giving proper instructions to the students. Sometimes students were not able to understand the teacher instructions and they not take interest in listening the instructions of the teachers.
3. **Lack of discipline**– With recurrent technical issues, bandwidth problems, and monotonous lectures, online attendance has seen a drastic dip. Most students find digital learning boring and often complain of lacking the motivation and start misbehaving during teaching in the digital class. It is also the major challenge for the teachers to keep class in discipline.
4. **Lack of In-person Interaction**–Humans are social animals. The growth of the internet hinged on the principal that humans will always be curious to internet and know about one another. That said, on a psychological level, virtual interaction cannot be mimicking that of a physical one.

The physical presence in the classroom with a teacher and fellow peers often leads to an atmosphere that can't be replicated through virtual needs. It is the major challenge for the teachers to make digital classroom as the traditional classroom.

5. **Course structure and quality**– In digital learning platform teachers try their best to give the good quality of content of their course structure. Sometimes the content was not relevant to the course or the content is too hard to understand. This can be a major challenge for the teacher to find out the relevant and good quality of content.

Solutions to overcome the challenges faced by the teachers

With the help of IDLP teachers can overcome these challenges faced during teaching-

1. To overcome the challenge of lack of motivation in students
 - Break up long lectures and sessions with interactive activities such as quizzes and polls to keep students engaged.
 - Incorporate discussion boards and forums in the digital learning platforms to encourage students to interact and engage with each other.
 - Use of visuals to make lessons more engaging. Incorporate videos, animations, and other visuals to keep students motivated.
2. To overcome the challenge of instructional problems
 - Give the proper and clear instructions to the students while teaching.
 - Make use of some activities to create the interest in between the students.
3. To overcome the challenge of lack of discipline
 - Establish a clear structure for online classes with specific goals, objectives, and expectations.
 - Incorporate creative activities such as video projects, online polls, and quizzes to keep students engaged.
 - Encourage students to take breaks between classes to avoid burnout and keep them refreshed and motivated.
4. To overcome the challenge of lack of In-person Interaction
 - One possible solution to the lack of in-person interaction in virtual classroom is to create smaller groups of students for digital learning. This would enable students to interact with one another as well as with the instructor, creating a more engaging atmosphere.
5. To overcome the challenge of course structure and quality
 - There should be focus on practical knowledge and skills, instead of relying solely on theoretical knowledge.
 - There should be concern that content is up to date with the latest developments in the field, as well as provide high-quality of audio and video content.

Conclusion

Technology can and does enhance the performance of educators, professors, and entire school and university systems. Basic skills of technology for teacher education and educators will include basic literacy in the subject areas but in addition, teachers also need basic scientific, economic, technology and digital literacy. And teaching of 21st century skills through Interactive digital learning package is better than traditional classroom. With the help of IDLP students keep engaged in activities during teaching learning process. Teachers teaching will be interactive with the help of IDLP. Students make their complete interest while learning 21st century skills through IDLP. Teachers can overcome their all challenges which they were facing during digital classroom teaching.

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