



A STUDY OF INTEGRATING INNOVATION IN A TRADITIONAL CLASSROOM FOR TEACHING 21ST CENTURY SKILLS

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Abstract:

Education is sometimes seen as a sector that is resistant to change, even though it is experiencing productivity and efficiency problems. In times of budget constraints and increased demand, innovation could assist improve education quality while also providing more "bang for the buck." Any society's growth and progress are powered by education. It is responsible for developing human capital, which nurtures, drives, and sets technical innovation and economic progress and imparts knowledge, and skills, and instills values. Education is a beacon that points humanity in the correct direction. The goal of education is to help students develop rational thinking, knowledge, and self-sufficiency in addition to literacy. This study aims to propose some creative teaching strategies that can be used to transfer knowledge to students. This paper aims to assess traditional teaching methods as well as multimedia teaching methods and suggest other beneficial teaching methods that can be used to convey knowledge to students. There are two major components to teaching: sending and receiving information. Finally, a teacher does his utmost to communicate knowledge in the manner in which he perceives it. As a result, any communication strategies that do this without detracting from the goal could be deemed innovative teaching approaches. Innovative educational approaches have the potential to improve education and empower people, strengthen governance, and galvanize efforts to attain the country's human development goal.

Keywords: *Traditional Teaching Methods, Creative, Innovative, Teaching Methods, ICT, Education.*

Introduction:

Education is a beacon that points humanity in the right direction. The goal of education is not only to make a student literate, but also to develop rational thinking, knowledge, and self-sufficiency. When people are willing to change, there is hope for progress in any field. Creativity can be developed, and innovation benefits both students and teachers. Teaching must include two major components: sending and receiving information. Finally, a teacher does his or her best to impart knowledge in the manner in which he or she learned it. As a result, any communication methods that serve this purpose without undermining the goal could

be considered innovative teaching methods. The use of innovative methods in educational institutions has the potential to improve education and empower people, strengthen governance, and galvanize the effort to achieve the country's human development goal. It is not the students' fault if education fails to instill self-discipline and a desire to succeed in their minds.

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their knowledge and understanding". But more than that:

1. Teaching entails making certain that you acknowledge every student daily.
2. Teaching is never forgetting that you may be the only person who has an impact on someone's life for a brief moment each day.
3. Teaching entails constantly being aware of what you are doing incorrectly in the classroom and attempting to correct it.
4. Teaching entails keeping up with current research while also honoring long-standing traditions.
5. Teaching is stressful because you are concerned that you do not know enough about the subject to make it easily accessible to everyone.

When it comes to teaching methods, our society is divided into three groups: those who favor traditional teaching methods, those who favor modern teaching methods, and those who support a combination of both for effective teaching.

Traditional Teaching Method:

Traditional teaching methods are used in most educational institutions throughout our country. Teachers use chalk and a blackboard to demonstrate concepts to students in the traditional teaching method. Everything important about the topic is written on the blackboard, and students take important notes from it. After the lecture, students go over their notes and try to memorize them. The primary goal of traditional instruction is to pass the exam.

Merits of traditional teaching methods:

Traditional teaching methods in educational institutions have numerous benefits. These benefits can also be viewed as disadvantages of modern teaching methods:

Traditional teaching methods are less expensive than modern teaching methods, making them more appropriate for schools in rural areas.

Some subjects, such as mathematics or chemistry, are best taught on a blackboard because the concept must be explained at each step.

Traditional teaching methods involve more interaction between the teacher and the student than modern teaching methods. We can also say that in traditional teaching, the class is more disciplined.

Traditional teaching methods do not necessitate any special technical knowledge on the part of the teacher, allowing him to concentrate on his subject and provide the best possible education to his students.

Traditional teaching methods do not place any strain on students' eyes, whereas modern teaching methods can have a negative impact on students' eyes.

Traditional Teaching Method Limitations:

1. Classroom teaching with chalk and talk is a "one-way flow" of information.
2. Teachers frequently talk for an hour without knowing the students' reactions or feedback.
3. The information presented is based solely on lecturer notes and textbooks.
4. The emphasis in teaching and learning is on the "plug and play" method rather than on practical aspects.
5. The lecturer's handwriting determines the fate of the subject.
6. There is not enough interaction with students in the classroom.
7. There has been a greater emphasis on theory without any practical and real-life situations.
8. Learning through memorization but not comprehension

Modern teaching methods

Modern teaching methods are part of a large-scale educational reform brought about by technological advancements and the need to not only educate but also inspire and generate curiosity. As a result, the traditional teaching style must be modified so that the new teaching methods are demonstrative, explanatory, and practical. These new teaching techniques involve a teaching style that focuses on cognitive thinking and the development of new learning patterns. The student is central to curriculum design and lesson planning in modern education methods. By providing the necessary resources and support, the teacher acts as a facilitator, paving the way for the student to learn. New teaching techniques and modern learning methods have been found to be effective in both schools and higher education.

The Need For Modern Teaching:

Over the decades, the education sector has consistently evolved and transformed to adapt to modern-day

developments, particularly in the fields of science and technology. As a result, changes were made to the way education is delivered from the ground level up. As a result, the most up-to-date teaching methods, as well as modern learning and teaching strategies, must be both knowledge- and technology-driven. This is critical for thriving and progressing in society as a whole. Instead of spoon-feeding students, modern teaching techniques encourage creative thinking and problem-solving. This is accomplished by focusing on the development of application-based skills and learning in a manner that is relevant to the changing needs. The traditional method of memorizing and reciting, when applied on a large scale, results in a stagnant society. Modern teaching methods, on the other hand, promote advancement. The breadth of knowledge has grown. We are no longer isolated from one another, and information is being exchanged on a global scale. This has also increased the human capacity to adapt to and absorb global knowledge. This can be accomplished by implementing new teaching strategies and techniques that promote a more holistic approach to education.

Finally, by emphasizing an exploratory approach, modern learning methods shift the emphasis away from parroting and toward discovering and researching unexplored areas in various fields.

Characteristics Of New Teaching Methods:

Modern teaching differs from traditional teaching methods in that it takes a constructivist approach. Students are not taught to memorize or recite. Modern teaching methods, on the other hand, emphasize the importance of meeting learning objectives through classroom interaction, collaboration, and active participation in engaging activities. The following are some characteristics of modern teaching styles:

Learner-centric: The curriculum and lessons are designed in such a way that the teacher's role is limited to facilitating and supporting learning, whereas the student is central and dominant in classroom activities and interactions.

Collaborative Approach: New teaching methods encourage students to collaborate and value the work of their peers.

Integrative: Students learn about topics that are related to and supplemental to the main topic as a result of modern teaching styles.

Interactive: Modern teaching techniques emphasize the importance of an interactive setting. To promote better decision-making and problem-solving, students are asked to work in groups as well as individually.

Inclusive: Modern teaching methods emphasize identifying a student's individual skill set while maintaining a collaborative approach, allowing the student to learn at their own pace.

Active Participation: Rather than passive consumption, modern teaching methods include engaging activities and hands-on learning.

Modern Teaching Methods:

New teaching techniques impart knowledge in such a way that it piques students' interest. Technology and global information exchange have played a critical role in this, causing a shift in the traditional classroom dynamic. Teachers use some of the following new teaching methods to account for this shift:

Collaborative Learning: Isolated learning is a thing of the past. Modern teaching takes the approach of providing students with a platform to collaborate and learn together in order to achieve synergy.

Spaced Learning: A teacher will repeat a lesson multiple times at 10-minute intervals to reinforce it. This is done to allow the brain to recharge, which is usually accomplished through physical activity or mindfulness techniques.

Flipped Classroom: In this method, students are asked to do preliminary work for a specific lesson at home, such as watching a video tutorial or conducting an online search. The homework (which is traditionally done at home) is then completed in class to maximize the students' time and learning experience.

Self-learning: Modern teaching techniques promote self-reliance. By sowing the seeds of curiosity, students are encouraged to delve deeper into the topics that interest them the most.

Gamification: One of the most effective modern teaching strategies, particularly in elementary and preschool settings, has been the use of video games in the classroom. This

relatively new teaching technique is a modern teaching method that is effective in higher education.

VAK Teaching: Visual, Audio, and Kinesthetic (movement) teaching, or VAK teaching, is a new teaching method in which teachers identify whether a student is a visual learner, an audio learner, or a kinesthetic learner. With this categorization, a teacher can better prepare a lesson to cater to each student's unique abilities.

Crossover Learning: It is a combination of formal and informal learning. In crossover learning, formal classroom learning is supplemented by the use of students' everyday experiences and interactions with their surroundings, which constitute the informal component of this method of learning.

Project-based Learning: Instead of relying on theoretical knowledge, project-based learning requires a teacher to assign projects to students that address real-life scenarios. Project-based learning also promotes the development of supplementary skills like critical thinking and communication.

Problem-solving Learning: This is a cyclical methodology in which answering the posed questions leads to further questions, thereby arousing a student's curiosity. The problem-solving technique promotes creative thinking and helps to improve problem-solving abilities.

These are some of the most recent teaching methods that teachers can use to provide a more comprehensive education. The four modern teaching methods that are widely used in higher education are collaborative learning, flipped classroom, self-learning, and crossover learning. Modern teaching methods in schools may differ slightly from those used in higher education. Gamification or spaced learning techniques, for example, maybe more effective at the school level. Self-learning or project-based learning, on the other hand, maybe better suited as a modern teaching method in higher education.

Objective Of The Study:

1. To study an innovative teaching style.
2. To analyse the traditional teaching approach
3. To understand the variations between innovative and traditional teaching methods.

Research Problem Of The Study:

- a) Lack of awareness in implementing digital tools in the teaching method.
- b) Insufficient infrastructure is used in some educational institutions.
- c) Difficulty in implementing innovative methods in traditional teaching methods.

Review Of Literature:

1. Inadequate infrastructure According to (Kapur, 2018), To some extent, educational institutions and training centres face a short supply of sufficient infrastructure. For teaching, proper accessibility of teaching equipment, machine tools and technology, and proper facility of ventilation are the basic requirements of comfortable physical environmental conditions. Lack of facilities and infrastructure are mostly found in the underdeveloped situation in schools of rural areas. These factors lead to a reduced number of student enrolment in institutions therefore, proper measures should be taken to improve the quality of infrastructure.
2. Barriers to adoption of technology According to (Nagel, 2016), Adopting new digital technology in education might remain one of the hurdles which affect the education and study process of students. Digital literacy is a widespread issue that influences both youngsters and elderly people. Adopting new technology is easy and faster for the younger generation as compared to the elderly. In rural schools, it becomes difficult for teachers to adopt technology in the educational sector due to a lack of awareness of digital technologies.
3. Innovations in teaching method According to (Fedena, 2019) & (Forbes, 2018), Creating an innovative, open and trustworthy environment for students and making them feel comfortable in their own patterns of learning remains a challenging task in front of teachers, and in modern life, it becomes very important to adopt innovative methods of teaching in a traditional pattern so that students can actively participate in the learning process. In today's life traditional method of teaching has become dull, leading to the classrooms becoming less interactive but if modern technologies will be used it will keep students engaged by making classrooms interesting.

Research Methodology:

The research is quantitative. This research supports a qualitative approach which enables the researcher to collect the information by allowing a study of issues and there by following a less structured format. The research work is completely based on secondary data which was collected from various sources from official websites, journals, research papers, books, and scholarly articles discussed during the study. The study is limited to a specific time and scope.

Conclusion:

Any teaching method that does not compromise the objective can be considered innovative. There are some who believe that the primary goal of teaching is to transfer information or knowledge to the minds of students. There are several ways for teachers to circumvent the system and provide students with the tools and experiences that promote an innovative mindset. Education is a beacon that points humanity in the right direction. The goal of education is to provide students with rational thinking, knowledge, and self-sufficiency, in addition to literacy. There is hope for progress in any field when people are willing to change. Creativity can be developed, and innovative teaching and learning benefit both students and teachers. From the above research study, it is clear that including both forms of teaching methods will be helpful for students to understand the concept efficiently. The new ways of teaching make students more productive and motivate them to actively participate in the learning process.

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