ROLE OF MODERN INFORMATION TECHNOLOGY IN CORONA PANDEMIC 2020

Pankaj Padmakar Joshi

(M.A., M.Ed. SET), MSVM's New College of Education

Abstract

Modern Information Technology age becomes an era of enhancing the knowledge providing sound and unmatched feasibility for discovery, exchange of information, communication and exploration to strengthen the teaching learning process. Modern Information Technologies) help in promoting opportunities of knowledge sharing throughout the world. The present conceptual research focused on the study is to discuss the Modern Information Technology for enhancing teaching-learning in pandemic outbreak. Modern Information Technology and teaching-learning are an important aspect in education system. Now a days Modern Information Technology playing a very vital role in human life because with connection in the daily Teaching-Learning Process. The vital roles of technology in education are that Students and teachers can interact very well and teachers can serve all study material through online mode, so that students can better understand the topics and solve the problem. Modern Information Technology approaches modern classroom, Smart classes, which primarily focus on improvising the performance of every student. Modern Information Technology has bought about many dramatic changes in how teachers teach and how students learn. Education use Modern Information Technology to design and assess learning activities, to communicate with students and the interactive education for continuous development. The present paper focused on the study of Modern Information Technology for enhancing teaching-learning in pandemic outbreak with prime objectives are

1: To know the concept of Modern Information Technology in the education field.
2: To know the impact of Information Technology on classroom teaching in corona pandemic 2020.
3: To analyses the role of Modern Information Technology in Teaching-Learning Process in corona pandemic 2020.
The methodology of the research is a different type involving an interpretative, conversation, observations and study secondary sources, like books, articles, journals, thesis, university news, expert opinion, and websites etc.

Key Words: Modern Information Technology, Corona Pandemic

Introduction:

Now a day's Modern Information Technologies age becomes an era of knowledge providing sound and unmatched feasibility for discovery, exchange of information, communication and

exploration to strengthen the teaching learning process. Modern Information Technologies are playing very vital role for every aspect of human activity and have a potential role to play in the field of education and training. Specially, in Corona virus pandemic outbreak distance education to transform it into an innovative form of experience. The need of new technologies in enhancing the teaching learning process grows stronger and faster. Modern Information Technologies help in promoting opportunities of knowledge sharing throughout the world. These can help the teachers and students having up-to-date information and knowledge through online mode. Through Modern Information Technologies accurate and right information is necessary for effective teaching and learning and information technologies. MIT imbibe for students are independent and they can make best decisions possible about their studies, learning time, place and resources. Students can work in collaborative and interactive learning environments effectively communicating, sharing information and exchanging ideas and learning experiences with all in the environment. Hence, Modern Information Technologies are very significant for actively engaging to students and teachers for continuous education in the corona pandemic outbreak.

Modern Information Technologies and Education:

Now a day's the changes brought about by new technology had a significant effect on the life of people living in every corner of the globe. Hence the traditional process of teaching and learning in education has been replaced by new and emerging technologies. Modern Information Technologies is having a major impact on all areas of education- curriculum, methods of teaching, classroom learning etc. Rapid communication with increased access of Modern Information Technologies in home, work place and educational institutions has make education a life-long process. Modern Information Technologies helps in promoting opportunities of knowledge sharing throughout the world. These can help teachers and students in gaining up-to-date information and knowledge. For effective teaching and learning right information is necessary. Modern Information Technologies is a set of tools that can help the right people with the right information at the right time. Present conceptual paper highlights the importance of MIT in educational sector, impact of MIT on classroom teaching.

MIT is bound to rule our present and our future for engaging the education sector. Through MIT computers and the Internet technology have undoubtedly revolutionized the field of education. It plays an important role in this field. The student teacher interaction has

drastically changed since the introduction of technology based class structure. The teacher is no longer the centre of the classroom but rather a middleman between information and student. Instead of a being passive listener, the students now become active in gaining, rearranging and displaying information.

Need of the Present Study:

Teaching and Learning is life time processes, they have no limit of when to start and stop. Learning helps in gaining knowledge, new experiences in our everyday life, thus changing our way of thinking, living and judging human behavior for better development. Through education students are getting various types of information.

- ✓ Modern Information Technology has the ability of speeding up information delivery so this ability can be used in improving teaching-learning environment.

- ✓ Teachers and students are using various MIT to achieve specific academic goals. Information technologies have reduced the cost of education. For example the increased use of internet broadband makes it easy for Teachers and students to access academic information on time in pandemic outbreak. Also teachers use this broadband internet to create and deliver information using videos and graphic illustrations for effective process.

- ✓ MIT enables teachers and students to communicate with each other through electronic email.

- ✓ MIT speeds the transfer and distribution of information. Through online examinations students are getting degrees which make them fit for better employment.

- ✓ In this pandemic outbreak educational institutions publish their results online so students need not have to wait for long to know about their performance.

- ✓ MIT also facilitates group discussion, webinars, seminar presentations. MIT has changed the way pupil learns through introduction of audio-visual techniques in education for continuous education in the corona pandemic outbreak.
- ✓ Modern Information Technology can help the teachers, learners, researchers, administrators, and educational planners to get access valuable treasure of knowledge, skill and application for improving their own tasks.
- ✓ Distance learning, virtual classrooms, e- learning and m-learning are the latest concepts and trends that are emerging in educational horizon of our country.

Objectives of the Study:

The present study has the following objectives-

Obj. 1: To know the concept of Modern Information Technology in the education field.

Obj. 2: To know the impact of Information Technology on classroom teaching in corona pandemic 2020.

Obj. 3: To analyses the role of Modern Information Technology in Teaching-Learning Process in corona pandemic 2020.
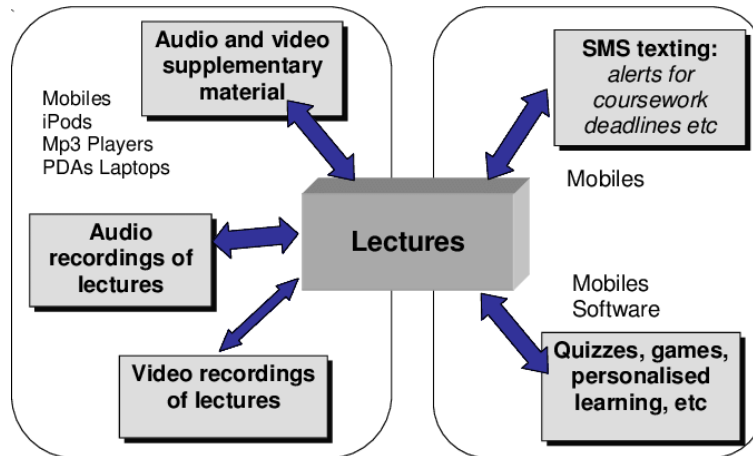
Concept of Modern Information Technology :

According to (Ajayi, (2008)), It's defined as a different set of technological tools and coffers used to communicate, produce, circulate, store, and manage information. Also (Voogt & Pelgrum, 2005; Watson, 2006) explained Modern Information Technologies as being divided into two main approaches in education similar as; Modern Information Technologies for education and Modern Information Technologies in education. MIT for education implies the development of Information and Communication Technology for engaging the education sector and tutoring purpose while MIT in education involves the relinquishment of general factors of information and communication technology in practical use in tutoring and literacy processes for developing the human life though individual development.

MIT in Teaching - Learning Process:

- ✓ Through MIT interest in learning grows the use of coffers as varied as vids, websites, plates, and games make traditional subjects more intriguing. Multimedia content is a veritably useful tool to bring different values closer to scholars in a complete and amusing way.
- ✓ Interactivity the use of MIT in the education promotes the pupil's active and participatory station, which is involved in literacy and is deposited as the promoter.

✓ Through MIT Collaboration between scholars Collaboration between scholars is easily enhanced thanks to colorful digital tools. It's much easier for them to produce platoon systems, cooperate and learn from each other.

✓ They enhance creativity MIT tools stimulate the development of the imagination, as well as the action of all class members in the pandemic outbreak.

✓ Through MIT Increased communication close communication between scholars and preceptors is encouraged through colorful channels, in a more robotic and less formal way.

✓ Through MIT personalization and content up-to- date digital surroundings allow real-time updating of all information and coffers. In addition, it's possible to acclimate the tools and content to original and near realities.

Modern Information Technology and Education:

Now, in the pandemic outbreak the globalization and technological changes have created a new global economy powered by technology, fueled by information and driven by knowledge. The emergence of this new global economy has serious implications for the nature and purpose of educational institutions. As the access to information continues to grow rapidly, schools cannot be contented with the limited knowledge to be transmitted in a fixed period of time.

Modern Information Technology and Education	→ Promotes independent learning for the students
	→ Provide Update and Accurate Knowledge
	→ Need Based Lifelong Learning
	→ Community Linkages for Society Development
	→ Develop the Co-operative learning
	→ Locating research materials

Education is critical in the life of a person. This will give you success and a better future. The people who are educated can survive in the competitive world more precisely as compared to uneducated. Through ICT Value Education gives you better living opportunities and good work.

Various Purpose of Teaching-Learning through Modern Information Technology:

To develop the child's personality in all possible aspects through MIT.

To develop good moral values in the children through online Mode.

To develop thinking in a better aspect and a democratic way of living.

To develop good citizenship and standard of living and behavior of children.

To develop tolerance and make a kind person to the children through MIT.

Education completes this pledge veritably fluently with an impact on the youthful minds making the world a better place to live in. Education indubitably helps in upholding our concinnity in diversity; inculcating and nurturing the spirit of public and societal development; cleaning, guarding and greening of the academy and its neighborhood; and development of scientific spirit; in substance, integrative development of scholars during academy education. And with the use of Information Technology burgeoning swift, nothing other than Modern Information Technology can prove to be a better tool for literacy and for sustainable growth.

Following are the aspects of Teaching-Learning through MIT in corona Pandemic

1. E-Learning for Better Education Work:

The presence of MIT in education allows for new ways of learning for scholars and preceptors. E-learning or online literacy is getting decreasingly popular and with colorful unknown events taking place in our lives, this doesn't only open openings for seminaries to insure that scholars have access to class accoutrements whilst in the classroom but also allows them to insure scholars outside the classroom similar as at home or indeed in hospitals can learn.

2. Modern Information Technology brings addition for Online Teaching-Learning:

For the personality development the benefits of MIT in education is of similar that scholars in the classroom can all learn from the class material. Scholars with special requirements are no longer at a disadvantage as they've access to essential material and special MIT tools can be used by scholars to make use of MIT for their own educational requirements. Despite this, it opens up new issues related to the digital peak and furnishing access to MIT tools and coffers for those who are less fortunate.

3. Modern Information Technology promotes advanced- order thinking chops:

One of the crucial chops for the 21st century which includes assessing, planning, covering, and reflecting to name a many. The effective use of MIT in education demands chops similar as explaining and justifying the use of MIT in producing results to problems. Scholars need to bandy, test, and guess the colorful strategies that they will use.

4. Modern Information Technology enhances subject literacy for Personal development:

It's well known these days that the use of MIT in education adds a lot of value to crucial literacy areas like knowledge and numeracy.

5. Modern Information Technology use develops knowledge and Capability:

Both are 21st-century chops that are stylish developed whilst ICT remains transparent in the background of subject literacy. The stylish way to develop ICT capability is to give them with meaningful conditioning, bedded in purposeful subject- related surrounds.

6. Modern Information Technology use encourages collaboration for Education:

You just have to put a laptop, iPad or computer in the classroom to understand how this works. ICT naturally brings children together where they can talk and bandy what they're doing for their work and this in turn, opens up avenues for communication therefore leading to language development.

7. ICT use motivates learning for Education:

Society's demands for new technology has not left out children and their requirements. Children are fascinated with technology and it encourages and motivates them to learn in the classroom.

8. ICT in education improves engagement and knowledge retention for Education:

When ICT is integrated into assignments, scholars come more engaged in their work. This is because technology provides different openings to make it further fun and pleasurable in terms of tutoring the same effects in different ways. As a consequence of this increased engagement, it's said that they will be suitable to retain knowledge more effectively and efficiently.

Role of Teacher in Enhancing Education through Modern Information Technology:

Teachers are a role-model for the students. Their actions convey more than their words. Students learn values from what the teachers are rather than from what they say. Teachers plays a vital role in the success of any program at the school. If the teachers are not fully comfortable and confident with the new approach to teaching, then there will be a limited impact on the teaching- learning process. Teachers has to be developed their mind set to integrate the latest technology in the Value Based Education. Teachers should also know the right attitude and values, besides being proficient in skills related to Value Education. Teacher is responsible for creating the warm environment in the class. Teachers must have healthy attitude and should possess rich values. Teaching is all about attitude positive/ negative towards their job of imparting quality education. Teacher should act as a friend, philosopher and guide. A teacher is not only a source of information but is also a mentor and guardian. For this teacher must respect the teaching profession, love her subjects and students, Students will seek inspiration from teachers who have high self-esteem.

Teachers can maintain a case-study register to closely observe the students and note down the positive and negative traits of their personality. Teachers should also tell the students to maintain a spiritual diary in which they will surrender themselves to God and take an oath to follow the path shown buy him. By organizing cultural and sports events values like team spirit, sharing, spirit of cooperation, patience, courtesy etc. can be imparted.

Thus Teachers play an important role in the nation building by character building of the students. The best and the greatest profession in the world is that of a teacher, because the future of a nation depends upon the type of teachers who shape the future generations.

Use of Modern Information Technology and Benefits for Teachers:

- ✓ MIT facilitates sharing of resources, expertise and advice.
- ✓ MIT ensures greater flexibility for teachers for carrying out different kinds of task at different times.
- ✓ MIT promotes skills, confidence and enthusiasm of teachers through various teaching techniques.
- ✓ MIT helps teachers in easier planning, preparation of lessons and designing of teaching learning materials.
- ✓ Through graphics, pictures and PPT teachers can present the material in more interesting and attractive ways.
- ✓ Teacher can guide and help students in searching the qualitative material.
- ✓ Students learn by interactive technologies and teacher facilitates them on how to use and reflect responses. He may be diagnosing learning problems and helping students in finding their solutions.
- ✓ Using MIT devices teachers can expand their knowledge and develop their professional teaching skills.

Conclusion:

Now the teacher guides the learners in their study, playing the role of a coach or mentor. Now the role of teacher has been changed from center of instruction in conventional classrooms. He decides contents, experiences, activities, locates the resources and guides learners how to have access and utilize the information for required outcomes.

Modern Information Technology helps teachers and learners to participate co-operatively in the teaching learning process. It broadens their thinking, knowledge and enables them to perform various educational activities in the educational sector. Various kinds of technologies both hardware and software makes the teaching-learning process more interesting. Use of the advanced technologies has a tremendous scope in improving the products and processes of education. It fulfil many needs and requirements of the present age in the field of instruction and education like individualization of instruction, utilization of multi-sensory and multi-media aid material and efficient and effective management of different educational institutions. Information technologies guide teaching- learning process in more productive fashion. Now the teacher guides the learners in their study, playing the role of a coach or mentor. Now the role of teacher has been changed from center of instruction in conventional

classrooms. He decides contents, experiences, activities, locates the resources and guides learners how to have access and utilize the information for required outcomes.

The future of education is not predetermined by Modern Information Technology but rather than this future will hinge prominently on how we construct the place of technology. It was found that still faculty requires support to enable them to effectively use the technology to the benefit of their students. This support should be provided by the institutions. Today internet serves as an asset in providing global information to millions of learners, teachers and administrators. So launching the internet in classrooms as well as administrative areas substantially enhances the opportunities of modern education and allows human beings to use online database resources.

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