International Journal of Research Publication and Reviews

Journal homepage: www.ijrpr.com ISSN 2582-7421

HIGHER EDUCATION AND ROLE OF ICT IN IMPROVING STUDENTS LEARNING

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ABSTRACT :

Educational institutes have adopted more conventional methods of teaching for a long time. Today information and technology is the new way of education that uses ICT for sustenance, boost and enhance student learning on the global scenario. There is an increase in the students' performance and achievements due to more and more use of ICT tool as there is advancement in technology and education institutes are using these tools to enhance student's performance.

As per the report published by national institute of multimedia education in Japan, it is proved that understanding concepts, enhanced knowledge, skills, innovative capabilities are the positive result of use of ICT in higher education system.

Lot of advancements has happened in the technological use of ICT. The dominant features are

- Flipped classrooms

- Access to course material made easy

- Online digital repositories for lecture, course material and digital library.

- Audio-Video devices, projector, online presentations are useful in enhancing students understanding level.

KEYWRODS: ICT, innovative capabilities, integrative technology

INTRODUCTION

Teachers and students are motivated by the advancement in technology and this new trend is now making the teaching learning process more interesting as it is a win - win situation for both the learners and the teachers. Use of ICT tools has bridged the gap of understanding about the concepts and theories and not this use of ICT tools has emerged as a fundamental part in this process. With more emphasis is now being given to technology driven learning the educational institutes around the globe are adopting this new method of teaching to their students. In order to provide knowledge and skills to the learners to meet the challenges of educational environment ICT is the answer to such questions. Communication technology has made many innovations in the field of teaching and also made a drastic change from the old paradigm of teaching and learning. In the new example of learning, the role of student is more important than teachers. The concepts of paperless and painless classroom are emerging as an alternative to the old teaching learning method. The newest technologies allow us to try things in physical and virtual classrooms that were not possible before. What you use depends fundamentally o what you are trying to accomplish. Creativity has always been a part of successful classroom, however recent advance in technology are making it possible to increase the ability for students to use their creativity in academic. Today students have the ability to be more and more creative in their projects, assignment's, as well as group and individual tasks with the assistance of ICT. With the use of ICT in schools and colleges at various levels is now giving wings to the student creativity and his thoughts. The teachers have to come up with new innovative ideas and have to validate their use of ICT and the effectiveness of technology supported learnings in the curriculum. Usage of ICT tools will also help the teachers in higher education system to measure the student's performance and his attainment towards the course

LITERATURE REVIEW

L.S Waghmare (20104), in their research work titled" role of information and communication technology in higher education talks about the point of view of the students in rural schools in the field of medical schools. They further talk about the ICT role it is going to play in teaching and student learning process. Mahisa, Anuj (2014), in their work titled "The role of ICT in higher education in India" suggests that ICT is playing a very strong role and is changing the scenario of many education institutes across the globe. Dr. Md. Mahmood Alam (2016), in his research work talks about the role students have to play is more active with the use of ICT rather being more of a passive learner with traditional method of teaching and learning process

which will provide balance in research and critical areas. MR. Sandeep Singh Butttar (2016), in his work titled "ICT in Higher Education" talks about the optimal application ascending due to dissemination of ICT in higher education system and the challenges that will arise in the educational institutions.

ICT ingenuities in higher education

With increasing use of ICT in the past it signifies the impact ICT will have on the overall development of the higher educational system. With increasing transparency and reduced cost use of ICT has initiated development in the system. The Indian Government has taken many initiatives and a result of such initiatives Gyan Darshan was started as an educational program for school going students, university student's adults. Institutes like IGNOU and Indian Institute of Technology also contributed to the cause by introducing Gyan Vani under University Grant Commission on DD national channels for the students. Gyankosh arouse as a digital learning resource was launched by IGNOU in 2005 and the printed material was converted to digital mode and was uploaded in the system. NPTEL is another initiative by the IIM, IIT which have made many certification programs available for the learners across globe thus bridging the gap between the student and the premier institutes in teaching learning process.

Advantages of ICT in higher education.

ICT comes with many benefits and challenges and have evolved as a major player in the education system.

- **Improved learning made convenient**

  As the material is provided online in ICT mode the learners have ready access to the study material available online and the learning process is more interactive and engaging and students' progress can be monitored as well.

- **Collaborative learning**

  As all the data and resources are available online ICT fosters better communication among the teachers and learners across the globe as it smooths collective learning and sharing of knowledge resources.

- **Enhance competence**

  With automation and use of ICT in teaching learning process the output and effectiveness with improve and people performance will develop across sectors.

- **Inclusion and Accessibility for All:**

  ICT can help bridge the gap for students with special needs, providing them with access to essential materials and tools.

- **Flexibility and Autonomy:**
  ICT allows for flexible learning and working arrangements, enabling individuals to access information and resources from anywhere at any time.

- **Inspiring learners**
  With increasing use of internet and continuous connectivity of internet has inspired students to take up ICT as a learning resource and the educational institutes must get the most out of the students as they are now inspired and enthusiastic about the learning process through internet. The canvas has expanded due to this and students are ready to take on additional activities which were unavailable in the traditional mode of teaching and learning.

- *Low cost education*

  The use of ICT and automation has changed the entire scene in business and now business are making use of technology and setting up the business to make them cost effective and more profitable. For students this is available at a very low cost and as a result of this cost effectiveness more and more institutes are now emphasising on using ICT in higher education and encouraging students to take up their career in automation and allied businesses.

- *Better Availability*

  With better availability and 24X7 connectivity it is possible for the students to take up the assignments and courses and go through it any time they want. They are not restricted by time even if they are accessing the content for some other country.

RECOMMENDATION

ICT has emerged as boon to the new teaching learning process. Over the past few years there has been vast changes in the dynamics of teaching learning programs. The institutions are now getting equipped with this teaching pedagogy as there will be a paradigm shift in the teaching learning process as these ICT tools tend to meet the expectations of the all the stakeholders in the scenario. With NEP coming in picture it would be appropriate to say that use of ICT will increase with coming time. Post Covid the educational institutes have improved the usage of ICT in their teaching learning process. With all the material is available online it has become increasing important and useful for the students to comply with the situations and the teachers can now monitor the progress of the students with much ease.

Conclusion

From the above study I can conclude that the pedagogy is now changing and ICT will play a fundamental role in changing scenario of the education system. With online facility ICT in higher education will definitely improve the teaching learning process and keep both the teachers and the students on their toes to the changing scenario in the education system. Easy access to the study material and at lower cost the students are in a win-win situation as they don't have to confine themselves to the time and cost and even to the geographical location constraints.

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