

**“CO-CREATION MODEL OF LEARNING, TEACHING &
CURRICULUM – STAFF & STUDENTS AS PARTNERS
TOWARDS NATIONAL EDUCATIONAL POLICY 2022”**

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PERSPECTIVE OF E-LEARNING THROUGH PEDAGOGY ENHANCEMENT WITH SPECIAL REFERENCE TO FEATURES OF E-LEARNING TOOLS AND TECHNOLOGIES

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Abstract

E-Learning is considered as one of the thrust area for divulging education with the use of educational outfits and various means of media of communication. Information and Communication Technologies (ICT) acts as a facilitator for E- Learning. The Ministry of Electronics and Information Technology aims at providing the necessary tools and technologies that are essential in promoting E-learning throughout the Nation. It provides financial assistance to Research and Development Projects that are carried out in the field of E-Learning through offering supports to various educational institutions, laboratories of Research and Development etc. The benefits of E-learning are uniform content for the learners, anytime learning, re-use of the learning contents and cost effective. Hence this article focuses on identifying the various features of E-learning tools and technological resources available for the enhancement of E-Learning.

Keywords: E-Learning, Pedagogy, Tools and Technologies, ICT, Features of E-Learning

Introduction

E-Learning is considered as one of the thrust area for divulging education with the use of educational outfits and various means of media of communication. Information and Communication Technologies (ICT) acts as a facilitator for E- Learning. The Ministry of Electronics and Information Technology aims at providing the necessary tools and technologies that are essential in promoting E-learning throughout the Nation. It provides financial assistance to Research and Development Projects that are carried out in the field of E-Learning through offering supports to various educational institutions, laboratories of Research and Development etc. The usage of E-learning has vividly increased in the educational sector and the covid-19 has paved the way for it in an up-trend. The high speed internet and latest technologies are slowly replacing the classroom based teaching to electronic mode of learning.

The benefits of E-learning are uniform content for the learners, anytime learning, re-use of the learning contents and cost effective. E-Learning assists the students to enhance themselves with novel and creative ideas and share them with their folks. It also helps the students to gain the necessary skills and imparts the required knowledge in the minds of them other than the knowledge they gain through the school education.

E-Learning and its Importance

The importance of e-learning shows how the e-learning takes its role in the prevailing environment and fits into a strong place in the educational sector at present and the following points exhibits the reasons for importance of e-learning:

- ❖ Through E-Learning the students can learn from anywhere and at any time without being inside a classroom phase of learning.
- ❖ Focusing on the mentor's side, they can teach their subjects and concepts through online from anywhere and not restricted to an institutional environment alone.
- ❖ E-learning's application in school has made the children to grasp their lessons and contents in a faster mode.
- ❖ Students are being effectively engaged as the presentations of the study content are given through audio-visual mode.
- ❖ The tutor and the students have gained advanced learning skillset and capacity through E-learning as they develop e-contents with the help of the e-materials as their samples.
- ❖ E-learning acts as a common phase in bringing the experts, learners, mentors etc. into a single platform.
- ❖ In this competing world, faster learning and sharing of information helps the learners to grow faster in their personal and intellectual means.

Positive phase of E-Learning

- ❖ E-Learning helps in facilitating and satisfying the requirements of every individual.
- ❖ Classes can be handled and observed from anywhere throughout the world.
- ❖ The learning contents shall be accessed by everyone as an open source of learning with secured environment and without any interruption to the lectures.
- ❖ It helps to connect with advanced learners and make themselves get updated with recent trends in learning.
- ❖ The delay caused in traditional means of teaching would not happen in case of e-learning which ensures in faster means of learning.
- ❖ The learners' knowledge are being tested at intervals in e-learning and that can be learnt from their convenient environment.
- ❖ Expenses such as travel charges, infrastructural need and other basic needs are not necessary in case of e-learning. They help in cost cutting that takes place in traditional mode of teaching.
- ❖ Revising the lessons with audio-video effect helps the students to feel like a tutor taking the classes a number of times until a particular student understands the concept. So it helps the student to learn the concepts in a better understandable way.
- ❖ It motivates the learners to take a self-paced learning.

Tools for E-Learning

1. Adapt

This is a free software that offers accessibility to the users at different levels. The software application helps in creating a responsive learning content which is accessible in different forms of devices. The users of the adapt tool can create their own course contents,

add interactive effects in it, preview them and make it published in the software platform which can be used as resource for e-learning by the learners.

2. Evolve

Evolve acts as a resource for e-learning and the writers can develop their contents using HTML5. The contents can be accessed from any type of device. Interactive contents with advanced styles can be used to create the contents. Evolve permits to entrench a combination of different forms of contents like videos, audios, graphical representations, tabular formats and additional features to their contents so that it attracts the attention of the users and make it interesting to learn the created content in an effective way.

3. Camtasia

This software provides the users the option of video editing and helps the users to make their demonstrations and learning contents to get recorded as per their needs. Templates are also being provided to create effective contents and recordings. Their royalty free library for music shall also be permitted to use to add extra effects to their contents.

4. Elucidat

Elucidat is another platform for large part of the content writers. Special features like team-specific features, like branding guidelines everyone can follow, along with expedited options to help the user to produce content faster. For learning and development teams, Elucidat can help increase reach and improve authoring speed, helping companies to distribute their content more effectively.

5. Articulate Rise 360

Articulate Rise 360 highlightsthe user experience, making the e-learning offerings available on a variety of platforms. To do this, it has features that hide media to make it easier to navigate on a small screen. The user can structure and build courses online and preview your lessons before publishing them.

6. Adobe Captivate

This tool helps learning and development teams create content like branched scenarios, software simulations, demonstrations and quizzes. Like many other tools on this list, Adobe Captivate can help you produce content in HTML5 format, but it also has a Shockwave Flash formatting option. Using their software, you can create smartphone-ready courses using their slide offerings and pre-programmed interactions.

7. Gomo

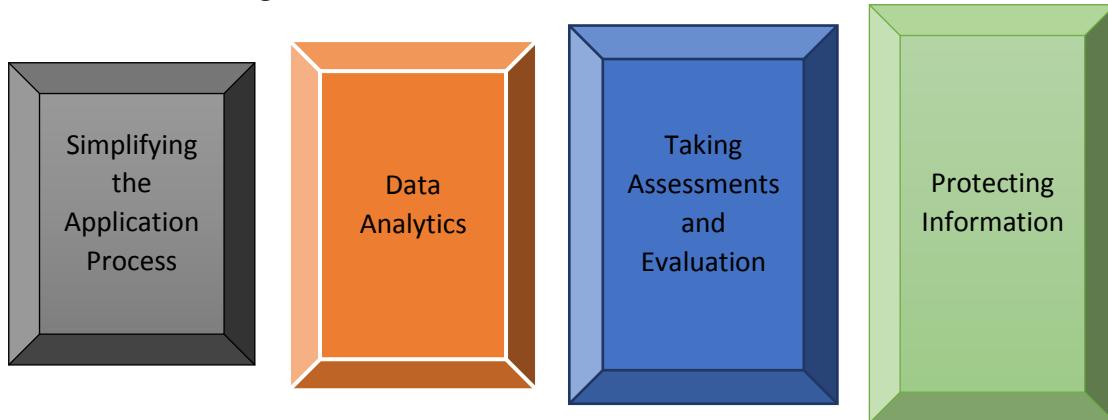
Gomo is a cloud-based authoring tool that includes delivery and analytics features. You can use their tool to drag-and-drop content, create branching scenarios, provide

localized language or content options and offer content upgrades. They offer templates you can use and provide multi-device compatibility.

8. Knowbly

Knowbly is a paid software option for educators, freelancers and small-to-medium businesses. They offer administrative capabilities using their tool, so you can share and limit access according to your needs. Knowbly helps authoring professionals produce continuing education resources, employee training content and compliance training offerings.

Features of E-Learning Tools



Simplifying the application process of installed tools of e-learning, abridged data analytics, conduct of assessments and application of various evaluation techniques to assess the learner's skills and knowledge and offering a protected environment and information are considered as the basic and most important features of E-learning tools. Collaboration of various learning tools, Strong reporting with customization, Web-based business support, Brand Integration, Online course catalogues, Self-Registration, Responsive Design Features, Accreditation Support, Natural User Interface and Availability Features are the basic features encountered for an effective medium of learning through online platforms.

Conclusion

The technologies has changing the educational structure on the whole throughout the Nation at a greater speed. It has been estimated that the online market of the nation is supposed to have a greater growth from 2021 and there has been an effective growth annually for about 52% during the year 2016 and the revenue out of it was 247 dollars. It has also been estimated that it would have an increase for about 175% for classroom education cost which makes the online educational system as the most preferable mode of education and cost effective too. Even in the rural background the entry of digital education is entering the market at a quick pace. The traditional teaching faces the issues

such as oldest form of teaching methods, insufficient mentors, improper mentor-mentee relationship and lack of proper teaching resources and so on slowly and rapidly increases the usage of online learning platforms to improvise their knowledge level and their technical and inter-personal skills. The urban students are being educated using the modern tools and technics which also helps the remotely located students in a vast spread geographical areas are being made to get connected through technology. The various digitally educating platforms may help in solving the problem of teachers' shortage in the nation at the earliest. To a country like India with varied regions, languages, social status and castes, the problem of advanced pace of education persists but however the chances for development of technology oriented e-learning and this is the right time to implement the system throughout.

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