

# Impact of Modern Technology in Higher Education and Students Engagement

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**Abstract:** To achieve the educational objectives by ages, it is necessary to enhance the educational planning and implementation. In India our higher education reflects a slow growth scenario in overall representation. NPE-2019 declares a long term beneficial policy. It is about to overall integration of physical and biological resources of education with technology and to provide a large scale facility and access to educational needs. The teacher, students, curriculum, co-curricular activities, teaching adds, facilitators, evaluations, assessment, virtual utility etc. Would be in integrated form, it will provide a maximum production in higher education with higher values. The agencies and organizations related to direction, control and management of higher education regularly monitors the programs while education technology will provide a timely and perfect functionalism to the organization to making further policies. The government as well as private efforts creates opportunities for educational mission and vision. Educational technology assures the actual preservation and analyses of data for educational purpose. In respect of higher education the electrification and engagement with communication and technology enhance the interest and output with the matter of student.

**Key words:** *technology, virtual utility, influence*

## 1.0 INTRODUCTION

The use of computer, mobile devices, and the internet is at its highest level to date and expected to continue to increase as technology becomes more accessible, particularly for users in developing countries (Poushter, 2016). Greater access to and demand for technology has presented unique opportunities and challenges for many industries some of which have thrived by effective digitizing their operations and services and others that have struggled to keep up with the pace of technological innovation (Gandhi, Khanna, & Ramaswamy 2016). Further compounding this challenge is the limited shelf life of new device and software combined with significant internal organization barriers that hinder universities from efficiently and effectively integrating new technologies (Linder-Vanberschot & Summers 2015, Westera 2015). Implementation of educational technology reflects its impact in performance of students as well as teachers. In higher education, there is no specific psychological technique to facilitate the students in higher education. It is the matter of creating interest among the students for learning. Students might be able to get a link or access to their educational needs worldwide. Educational technology enables the student to get themselves over worldwide. Students can get information and resolve with form of information like video, text, book, research review in form

of virtual utility. It is a basic need of a student to have a recognized and valid datum and information to explore his knowledge. It emphasizes mobility which allows for alerted timing, location, and accessibility and context of learning, nevertheless its purpose and conceptual principles are those of educational technology. If student requires to use the integrated form of education related resources, the information and communication technology or electric form of data will prove the purpose. Positively it influence the interest of students in fulfillment in respect of higher education.

## 2.0 ASPECTS OF IMPACT

Generally students get data and information from the different types of resources like internet, books, veteran experience research papers, workshops etc. But it does not provide the interrelate and relatively integrated knowledge, so it decline the students attachment. There are some important aspects of student's engagement to educational technology in higher education-

### 2.1 COGNITIVE ASPECT

It provides the student to hold tensionless and relax full approach that make it stress less attentive to students. They can thought and analysis comfortably.

### 2.2 RESOURCE ASPECT

The integrated form of data and other type of information from different sources by physical and biological resources become enable to the students.

### 2.3 UTILITY ASPECT

Educational technology provides to students, the individually needs and utility fulfillment.

### 2.4 PRODUCTIVE ASPECT

It is the platform for comparatively valuable output of knowledge based exploration.

### 2.5 EXPLORATIVE ASPECT

It boundless and open access to all over the world, a student can access to virtual type of knowledge like library, specialist views, laboratory etc.

### 2.6 ECONOMIC ASPECT

The cost of education is reduced significantly by educational technology, so it is enable to all and everywhere.

### 3.0 TOOL OF MODERN TECHNOLOGY

Many of digital education tools are in use for the engagement students and given autonomy to the students, improving the administration of educational process. It is mandatory to encourage collaboration and facilitating between teachers and learning. Some important educational technology. Tools are following-

**3.1 MOOCS:-** The utility of course can be seen at the present time by the MOOC platform. MOOC is giving new direction to online education with technology. MOOC course are also offered by the world most renowned universities such as MIT, Harvard, Cambridge and many other famous university.

**3.2 EDMODO:-** To connect teachers, student and assimilated into social network.

**3.3 SOCRATIVE:-** It is design by a group entrepreneurs engineers to create exercise or educational games.

**3.4 PROJEQT:-** The tool allow to create multimedia presentation with dynamic slides.

**3.5 TED-ED:-** It is website that seeks to reduce the cost of academic books.

**3.6 CLASS-DOJO:-** It is a tools improve student's behavior. It provide results are notification to students.

**3.7 EDUCLIPPER:-** It platform allows teacher as well as students to share and explore referencing of educational material.

### 4.0 SCOPE OF MODERN TECHNOLOGY IN STUDENT'S ENGAGEMENT

Educational technology is as well as education itself. It refers the use of all resource like men, methods, material and techniques. We can identify the scope of educational technique-

**4.1 BEHAVIORAL TECHNIQUE:-** the scope is related to the manner of expertise or skillfulness with educational technology.

**4.2 INSTRUCTIONAL TECHNIQUE:-** It refers the instructions between users and providers. It is provide the services for timely.

**4.3 TEACHING TECHNIQUE:-** it facts directory to the learning to educational process willingly. It Constance physical and natural resources management.

**4.4 INFRASTRUCTURAL TECHNIQUE:-** It is hardware object of educational technology Constance equipment and other technological where working properly in production of educational process.

**4.5 IMMEDIATE ASSESSMENT:-** It is timelessly process that provides immediate feedback and evaluation to the learning as well as facilitator in technology base educational exchange.

### 5.0 CHALLENGES AND ISSUE

Educational technology refers the technological management learning and teaching related process. It content many factors related to technological as well as physical resource with biological resource. These factors are liable to make project and meaningful performance of educational technology. It doesn't work always supportably while it has source in proper working for student in higher education. There trouble factor can be identify in form of challenge, engagement of students-

**5.1 ECONOMIC AND COST FACTOR:-** The technological equipment services are not comfortable for users by the view of economic condition.

**5.2 ABILITY OF RESOURCE:-** The required infrastructure and classroom management according to e-learning and learning management system provide required production.

**5.3 EXPERT OR TRAINED FACILITATOR:-** For the use educational technology in references of students in higher education, expert and skillful trained inspector or teacher is mandatory for proper utilization of educational technology.

**5.4 POLICY MAKING AND IMPLEMENTATION:-** It is the most durable challenge for higher education because the policy related to educational technology prepared on behalf of uncertain data and information. So it has a great space between educational technology and student's requirement.

**5.5 DEVOTION TO THE EDUCATIONAL TECHNOLOGY:-** The student need to devotion for learning and innovation learning in the same way teacher should have devoted teaching according to requirement.

### 6.0 CRITICAL REVIEW IN PRESENT SCENARIO:

Providing overall facility related to educational technology, the attachment of student with that, a major problem, in higher education, the curriculum and the process of learning have suffered environment to deployment of policy to engage the educational technology. The facilitators or teacher should be trained for the provided task, they have deference to the innovations and its implementation. The NPE-2019 also declared to connect the teachers, students and other relative recourse in a uniformity of learning process. So it is the need of age to engage with educational technology to the higher education. It will increases the achievements of students and establish the new goal for higher education. Educational models are gravitating blended and hybrid learning, and collaborative models.

## 7.0 CONCLUSION

Educational technology is a wide term by utility and facility sites. It is not only management of equipment physical resource but also the management and intellectual process the possessive the educational process. In higher education, the interest of students should be created and uplifted by the curriculum design and organization with expert skillfulness the policy related to the students should be formatting in the light of students need, ability of resources engagement of infrastructure and facilitation privilege the students will provide to educational technology if they have full better and simple learning process, comfortable access to the educational resources like library, laboratory, university, expert etc. the fulfill of learns requirement provide the engagement students for purpose.

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