

CHAPTER -I
INTRODUCTION

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1.1 Introduction

The coronavirus pandemic has generated changes in the teaching-learning process in educational institutions and has influenced the interaction between teachers and students. As a consequence of the pandemic, schools' organization was constrained to carrying out their activity with students exclusively online. In this regard, many governments took measures in order to avoid spreading the virus and to ensure the continuity of the educational process and schools worldwide adopted online learning. While in general, internet-based learning is considered an option, an alternative to traditional learning, during the Coronavirus pandemic it became an essential element for maintaining the activity of schools and universities. This paradigm shift could generate changes in students' perception of this way of teaching and their perception might be different from the one found in studies previous to the pandemic. However, once victimised E-learning platforms there are also some components that may be thought of as obstacles in students' method of learning, like attenuated motivation in students, delayed feedback or facilitate thanks to the very fact that academics don't seem to be perpetually out there at the time students may have facilitate whereas learning or feelings of isolation thanks to lack of physical presence of classmates. None the less these obstacles can be overcome with the assistance of academics who ought to adapt their teaching methods to the requirements of scholars. So as to try to therefore, expertise and information regarding teaching within the online surroundings are unit necessary. Thus, we have a tendency to believe that these challenges and drawbacks may be a lot of distinguished whereas the E-learning platform offer many advantages to learners such as control over the content, control over the time spent learning and thus the process can be adapted according to the learner needs and objectives of learning.

This might contribute to better communication with the students and spite of some inherent challenges brought by this time of crisis, E-learning might enhance to learning process for students.

Thus, through this paper, we have a tendency to try to capture the existence of such changes. Previous studies show that E-learning offers several edges for college students as a result of this kind of learning involves student-centeredness, it's a lot of versatile and it also can improve interaction with students by providing asynchronous and synchronous tools like e-mail, forums, chats, video conferences. what is more, web technologies expedited the distribution of content at constant time to an outsized range of users, E-learning platforms supply several blessings to learners like management over the content, management over the time spent learning and so the method are often custom-made in step with the learner wants and objectives of learning. This would possibly contribute to raise communication with the scholars and in spite of some inherent challenges brought by now of crisis, E-learning would possibly enhance the educational method for college students educational method takes place completely on-line. This would possibly happen thanks to the shortage of academics expertise in exploitation E-learning and thanks to the short time within which that they had to adapt their teaching vogue to the new conditions. Relevant during this method are the results of a study conducted by faculty Education entree Ate starting of the pandemic that showed that sixty six.9% of respondents thoroughbred that they used on-line platforms for teaching for the primary time. Thus, it is inferred that students and academics weren't prepared for a wholly on-line expertise.

The whole instructional system from elementary to college level has been folded throughout the imprisonment amount of the novel coronavirus malady 2019 (COVID- 19) not solely in Republic of India bust across the world. The COVID – nineteen may be an extremely communicable disease or illness caused by severe acute metastasis syndrome corona virus , originated in metropolis town of China, has already taken on pandemic proportions, moving across all the continents, principally unfold among people throughout shut contact currently leading to several death.

COVID -19 is referred as pandemic thanks to its severity and wildness conjointly because the greatest international health crisis since when centuries in human civilization. The onset of the novel coronavirus created everything type world economies to social rituals ravaged. In fact, imprisonment may be a state of the emergency protocol enforced by the competent authorities (during this case it's central and state Government) to limit folks from departure their place of living leading to mass quarantines and occupy home across the planet since March 2020. The coronavirus triggered the primary section nationwide imprisonment in Republic of India that began on March 25, 2020 for twenty one days and afterward perennial on April fifteen, 2020 for nineteen days because the second phase; on could four, 2020 for fourteen days because the third phase; on could eighteen, 2020 for fourteen days because the fourth section and on June one, 2020 just for containment zones taking sixteen days. To urge management over COVID-19 pandemic is feasible to bigger extent with people's unrestrained determination of the rigorous precaution measures like maintaining social distancing, following medically tutored quarantine method and embarrassing hygiene and sanitation. Therefore, this is often the time to gravely rethink and plan out education system in a lot of exacting would like of new current scenario. Informal and non-formal education is additionally hugely affected. However, it's a well-established assumption that no education approach will replace the height position of formal education thanks to having teacher- tutored direct interaction. But, the aftermath of COVID-19 crisis, on-line teaching became an education shift from ancient technique to the trendy approach of on-line teaching from schoolroom to zoom, from personal to virtual and from seminars to webinars. Previously, e-learning, distance education and correspondence courses were popularly thought of because the half on non-formal education, however as of currently, it looks that it'd bit by bit replace the formal education system if the circumstances enduringly persist over the time. There are some difficulties felt within the implementation of the modification method within the education system that has been arisen when COVID-19 crisis, these difficulties are connected with the novel perspective of on-line teaching and their

technological complexities, But several study are conducted over on-line teaching and learning and its effectiveness, no such studies conducted throughout COVID-19 imprisonment amount. Thence during this study of on-line teaching issues and problems can studies in Demonstration utile faculty Students.

Therefore faculty establishment members and students came upon several challenges. The Organization for Economic Co-operation associate degreed Development mentioned that a number of the challenges colleges got to face were keeping an equilibrium between on-line courses, that would have an effect on student's health, the disbursement several hours before of a screen and non-digital activities, analysing and that specialize in student's emotional health- providing them with support throughout the method of learning, taking under consideration the actual fact that not all students have access to the net and managing and observation their access to devices so as to effectively collaborate with them. what is more colleges and different education establishments are struggle with keeping the content of the course consistent and relevant, with human action clearly with the educational community and conjointly with exploit and recruiting students. On the opposite hand, students conjointly had to face challenges and a study that specialize in student's perspective on E-learning known that among the most challenges that students encountered were accessibility, property, lack of acceptable devices, social problems diagrammatical by the dearth of communication and interaction with lecturers and peers.

Taking under consideration the aspects mentioned higher than we have a tendency to believe that the transition to exclusive E-learning will extremely have an effect on the tutorial method and student's perception concerning the employment of the net atmosphere within the method of teaching and learning and these concepts stand at the idea of our analysis. we have a tendency to thought-about it vital, relevant and necessary to analyse whether or not students have custom-made to E-learning and whether or not they are happy instead of discontent with this exclusive on-line learning expertise.

The aim of the paper is to spot the student's perspective on the E-learning expertise throughout the Coronavirus pandemic so as to enhance and strengthen the E-learning system. In different words, our study examines the approach the method of learning was affected throughout now of crisis and investigates the student's read on the employment of E-learning platform and the way these technologies influenced their understanding and assimilation of knowledge. Moreover, we tend to were conjointly interested context they might like these platforms to be any employed by faculties.

Thus, my analysis will contribute to the event of the E-leaning method, for it provides info of the quality of bound strategies utilized in order to deliver the courses, the time spent on finishing tasks and comes, the content of the course and conjointly student's grievances recommendations and preferences for teaching techniques.

1.2 Technical Education in India

Technical Education plays an important role in human resource development of the country by making skilled personnel, enhancing industrial productivity and up the standard of lifetime of its folks. Government of Bharat has established special technical Education sector beneath the Department of upper education that oversees Central and authorities funded Institutes of upper learning targeted on sciences, Engineering, Technology, Management, Applied arts and Crafts and job Technology. There's a growing demand within the international setting to make a virtual learning setting within which all aspects of a course square measure handled through an identical computer programme. A number of these learning programmes square measure initiated in Bharat and learners got to attend orientation sessions at school and faculties wherever the course content is delivered online.

Already on-line teaching learning programs square measure running by the government so throughout coronavirus pandemic whole establishment square measure closed at that state of affairs central government take

action to supply on-line teaching categories to the learners. For that learner's square measure still obtaining on-line categories.

1.3 Online Education in India

The traditional learning system had been utilized in Bharat and has been property for long. However the academic wants square measure quickly dynamic and a world education customary is imposing itself and conjointly forcing the Indian education system to endure many changes. Bharat has become the hub of knowledge Technology (IT) and IT enabled services business. on-line learning holds specific connection to Bharat because the youth represent its major population and there's no alternative thanks to take education in such a scale while not the intervention and there's no alternative thanks to take education in such a scale while not the intervention of technology. The construct of e-learning is unquestionably gaining quality in Bharat however as a slow pace as compared to alternative countries. E-learning has the potential to beat the inadequacy of qualified academics in rural Bharat (Yuen, 2010). Live on-line tutoring, live streaming videos and virtual school rooms square measure a number of the net learning solutions for such issues. E-learning is looked upon as a best substitute for effective and arranged room teaching. Computerised Assessment of learners, educational performance becomes easier to the teacher particularly for the courses wherever the entering is giant. E-learning is increasing the proportion of literate population within the total population of Bharat.

1.4 Promising way forward for on-line Education in India

ICT as a tool in education is obtainable to US at this juncture and that we would like to totally utilize it to boost the present entering rate in Education. It's an important chance for all academics and consultants within the country to pool their collective knowledge for the good thing about each Indian learner and thereby reducing the digital divide. Though disjointed efforts are occurring during this space by varied institutions/ organizations and isolated success stories also are on the market, a holistic approach is that the want of the hour. It's obvious that stress on ICT could

be a crying want because it acts as a number for capability building efforts of instructional establishments while not compromising the standard.

India's online students understand convenience, flexibility with Commencement dates, as key engaging aspects of on-line learning. They indicate quality after all content because the high reason for selecting a selected course and appear to like laptops over mobile for accessing the course material type of study materials square measure alternative key psychological feature factors to adopt on-line channel. Because of coronavirus pandemic each instructional organization square measure mistreatment on-line teaching and learning mods to complete the student's course of study on time. The subject that opt for analysis that's to gather on-line learning expertise by student's perspective.

1.5 Aim of the Study

The aim of the paper is to spot the student's perspective on the E-learning expertise throughout the Coronavirus pandemic so as to enhance and strengthen the E-learning system. In alternative words, our study examines the means the method of learning was affected throughout now of crisis and investigates the student's read on the employment of E-learning platforms and the way these technologies influenced their understanding and assimilation of knowledge. Moreover, we tend to were conjointly inquisitive about characteristic the person difficulties that students encountered whereas learning on-line and within which context they might like these platforms to be any employed by universities.

Thus, analysis will contribute to the event of the E-learning method for it provides info on the quality of bound strategies utilized in order to deliver the courses the time spent on finishing tasks and comes the content of the course and conjointly student's preferences for teaching techniques.

1.6 Open Education Resource

UGC has conjointly launched its Digital Library syndicate to supply access to see reviewed journals and listing databases.

1.6.1 Mobility

Adoption of the BlackBerry, iPhone and different good devices that have net access permits students and college to perform a large vary of assignments. Tasks like Administration, sharing category notes, downloading lectures, instant electronic communication, etc., square measure potential anyplace mobile phone service is accessible.

1.6.2 Gamification

Gamification in on-line learning is that the use of theory of games and game mechanics in nongame contexts to interact and encourage users to perform higher.

1.6.3 Social Learning

The emergence of internet two.0 and social networking like blogs and wikis, furthermore as new on-line video repository and delivery websites like YouTube, iTunes U and massive suppose is influencing a brand new trend in pedagogy.

1.6.4 Video Contents

Learners report higher satisfaction towards video primarily based content. About to concerning five hundredth of the net learners indicate preference for video contents.

1.6.5 Tutor Marketplace

Online platforms alter students to satisfy tutors in relevant discipline in on-line and offline modes. This trend is gaining enlarged acceptance particularly from tier two and tier three cities.

1.7 Various on-line learning and assessment ways

1.7.1 Blended Learning

Blended learning is associate education program (formal or non-formal) that mixes on-line digital media with ancient room ways. It needs the physical presence of each teacher and student, with some part of student

management over time, place, path, or pace. Where as students still attend categories in physical field, face-to-face room practices square measure combined with computer-mediated activities concerning content and delivery.

1.7.2 Online learning

The terms 'e-learning' and 'online learning' square measure used interchangeably by several authors. On-line education is outlined as associate approach to learning that uses net, network, or standalone electronic devices to speak, collaborate in academic context. Internet is revolutionizing info transmission and provides higher forums for exchange. Several universities square measure channelling efforts into advanced conference, video conferencing to expand their on-line engagement. Self-paced learning, ability to hide distance, robust government initiatives push the code enrolments for e-learning dynamical the market enlargement.

1.7.3 Digital Libraries

Digital libraries square measure repository of domestically made tutorial outputs and conjointly act as purpose of access to different on-line sources. **Several** tutorial establishments square measure a lot of actively concerned in building repositories of the institution's books, papers, thesis, journals and different paper works which may be digitized. a number of the common factors that square measure influencing to alter to digital mode square measure info explosion, storage issues, looking drawback in ancient libraries, environmental factors (Save trees!!) and new generation wants.

1.7.4 E-books

E-book in easy terms is electronic version of a written book in paper format. E-books square measure rising because the format of future in lecturers. Growth generally use of pill computers is coupled up with growth in quality of E-books. Sharon Kerr, head of Macquarie university

accessibility services, says E-books deliver increased learning expertise for learners due to the transmission concerned.

1.7.5 Video Assignments

While teaching learning in on-line platform some task conjointly provided via video assignment. There students can collect all subjective knowledge through video in keeping with given instruction in order that assortment of content and learning conjointly fulfil by assignments.

1.8 Informal learning ways in which

Social media tools like Wikis, blogs, YouTube square measure wide accepted as skilled networking tools and square measure looked upon as learning tools.

1.8.1 Online Tests

Online tests and quizzes square measure used for grading and to reinforce learning expertise. This has gained momentum attributable to faster response that keeps students driven and additionally enhances their participation in learning. Several certification exams square measure out there on-line offered through laptop primarily based testing centres.

1.8.2 Online learning strategies

Course modules, Video assignments, Digital libraries: E-books, e-libraries etc. on-line strategies to assess and assess student progress, course material, feedback on the right track material, on-line tests.

1.9 Rationale for choosing the subject

The decision to specialize in this space was taken on the grounds listed below:

The augmented availableness of assorted on-line learning strategies and their fast adoption has created a void within the teaching. it's been a tutorial an instructional} interest to seek out the excellent list of on-line learning strategies offered by educational establishments and their

effectiveness to the learners UN agency square measure the first finish users or shoppers of on-line learning.

Given the dearth of conclusive analysis regarding the effectiveness of on-line education in thought with all aspects in fact, design, technology, neutral (Learner) characteristics, environmental characteristics this study might offer higher insights to the education suppliers, learners, instructors and different relevant stakeholders.

There square measure many qualitative studies conducted as a shot to see the effectiveness of on-line learning and assessment strategies. However, there has been very little analysis to check the learners' perception on ICT integration, impact of technology dimensions (ICT support, ICT skills and ICT Infrastructure) of on-line learning of learners.

1.10 Online learning capabilities – Digitization of study material/E-content Generation

The learning material for college students is digitized. Instructors add pictures, animated videos, videos and lectures by eminent industrialists and academicians on every topic, web links, multiple alternative queries, quizzes and games to the e-notes. These e-notes square measure uploaded within the academy's networking web site even before a selected topic is instructed in order that students will be ready for interactive lecture sessions. Students are concerned in making and planning e-books victimization iPad. Lecture capture is associate degree umbrella term describing any technology that enables instructors to record what happens in their lecture rooms and create it out there digitally. A number of these establishments square measure equipped with a Lecture Capturing System wherever lectures square measure recorded. These video lectures square measure created out there to students for reference just in case of absence or as a neighbourhood of revision.

1.10.1 E-books

Students have fast and simple access to many books on their desktop computers, notebooks or e-Book readers. These e-books embody several purported international publications.

1.10.2 E-library

A brief summary for all e-books is created out there for college students to flick thru the essence of every book before launching into an in depth study. NPTEL Video categories (e-resources on website) are uploaded on the establishments networking web site for the advantage of students. These have a good and made assortment of academic DVDs additionally.

1.11 Definition of key terms / Operational definition

1.11.1 Online learning

ICT primarily based learning is referred in varied terms like on-line education, e-learning, distance education or distance learning. Technology primarily based learning that makes use of web and different technologies to supply, maintain and upgrade learning material and teach learners is noted as e-learning (Fry,2001). As per Abbad et al (2009), on-line learning refers to any learning that's enabled electronically. Algahtani (2011) divided e-learning into 2 basic sorts, consisting of computer-based and therefore the web primarily based e-learning. During this study, on-line learning is outlined because the style of learning expedited by ICT and on-line capabilities is that the comprehensive list of all e-service offerings by academic establishments like e-library, e-books, e- learning, etc.

1.11.2 Information communication Technology

ICT stands for data and Communication Technologies. ICT is Associate in nursing umbrella term that embraces all technologies for the communication of data. It includes any medium to record data and every one technologies for broadcasting data. ICT in Education means that teaching and learning with ICT.

1.11.3 School

A School is an academic establishment designed to supply learning areas and learning environments for the teaching of scholars below the direction of academics.

1.11.4 Online Teaching

Online teaching is that the method of training others via the web.

1.11.5 COVID-19 Pandemic

The COVID – nineteen could be an extremely communicable disease or ill health caused by severe acute metabolism syndrome corona virus , originated in city town of China, has already taken on pandemic proportions, poignant across all the continents, principally unfold among people throughout shut contact currently leading to lots of death.

1.12 Need and Justification / significance of the study

In today's issues teaching is students centred on minimize the gap between students and also the teacher adopting completely different ways of teaching. Thanks to COVID-19 all instructional institute square measure closed there for on-line teaching programs running by the varsity management. On-line programs square measure fulfilling the gap between students and teacher. It'll conjointly facilitate to grasp regarding the effectiveness of on-line teaching with the mixing of ICT in achieving students learning competencies and capabilities. Throughout COVID – nineteen pandemic all instructional institutes were closed thus there only method for learning that's on-line teaching method.

1.13 Statement of the matter of study

'A study of on-line learning initiated in Demonstration utile faculty Bhopal throughout COVID-19 Pandemic'.

1.14 Objective of the Study

- To study the positive facet of on-line Learning throughout COVID -19 pandemic.
- To study the difficulties face by students thanks to the introduction of on-line learning throughout pandemic.

1.15 Delimitation

Study are conducted solely during a restricted sample. The study are conducted in one School DMS in Bhopal.

The study is the following limitations -

- The study was confined only one Demonstration Multipurpose School in Bhopal.
- The study was conducted classes of 9th and 10th students.
- The Questionnaire was prepare only 20 questions related to objectives.
- The Survey details collected by Google forms so that not able to interacted with students.