



A Study On The Effectiveness Of E- Learning Tools InThe Classroom.

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1. Abstract:

The role of technology within the instructional sector is increasing at an outstanding rate and has revolutionized ancient varieties of teaching-learning processes. differing kinds of technological tools are developed to cater to the varied backgrounds and demands of learners of upper education. One among the necessary technological innovations is e-learning which can be represented because of the application of broadband web and computers to help teaching and learning. Several e-learning tools like Google Classroom, padlet, kahoot etc have become common these days.

The current paper highlights the importance of E-learning tools in trendy education and discusses the pros and cons of E-learning tools in their day to day learning. E-Learning is one among the academic education programmes that may facilitate students in their studies. Presently the idea of E-learning is changing into highly regarded because the numbers of web savvy users square measure increasing. E-learning is the way forward for education because it is an interactive, fascinating and amusing method of learning, and can before long replace the paper books within the sort of bit screen tablets. The purpose of this study was to analyze the effectiveness of E-learning tools among undergraduates students. information was collected from one hundred students learning at Nirmala memorial foundation College of commerce & science, kandivali (E).

Keywords: E-Learning, Interactive Learning, Future of Education, Interactive Classrooms

2. Introduction:

E-learning can best be defined as the science of learning without using paper printed instructional material. E-learning is the use of telecommunication technology to deliver information for education and training. With the progress of information and communication technology development, E-learning is emerging as the paradigm of modern education. The great advantages of E-learning is that it promotes active and independent learning. The term

E-learning comprises a lot more than online learning, as the letter “e” in E-learning stands for the word “electronic”, E-learning would incorporate all educational activities that are carried out by individuals or groups working online or offline.

In the world we live in, technology is literally everywhere and the kids adapt to it more than anyone else. Unlike teachers, students are being raised in a digital world. It is absolutely natural for students of all ages to use technology in every aspect of their lives. This is why digital tools in the classroom are becoming more and more crucial. Traditional methods for teaching are already going through a transformation to adapt to the needs of 21st-century students and to enhance the professional practice of teachers. The digital future is literally happening now. Hundreds of digital education tools have been created with the purpose of giving autonomy to the student, improving the administration of academic processes, encouraging collaboration, and facilitating communication between teachers and learners. Digital tools, by a short definition, are any type of software or hardware that can be used for education (Mahiri, 2011).

They can of course be employed in the classroom by faculty in a variety of forms, from anything as simple as PowerPoint presentations to complex programming software. Using technology for education provokes students’ curiosity, boosts their engagement, and leads to better learning and comprehension. These factors are a priority for every effective teacher and today they can be easily achieved by using digital tools in the classroom. Some innovative digital tools for the classroom which foster responsibility, relationships, and respect, and can be used by educators and students.

- Padlet is a digital pinboard that allows participants (students and teachers) to contribute by pinning different images, videos, text files, links, and more. Digital tools for the classroom like Padlet motivate students to work together and brainstorm like a team.
- Quizlet is a great app that can come in very handy for students of all ages. By using flashcards, games and more fun activities, Quizlet allows students to learn a subject and assess themselves
- Google Classroom is a powerful community based social tool for learning. It allows students to post questions and receive answers from their teachers and fellow students.
- Kahoot is a platform for game-based learning, where students are in control of the process and teachers are assessing their progress through quizzes and enhancing responsiveness. You can choose games from thousands of pre-existing options or create your own.

- Blookey is a learning platform that is built in a gamified way. This combines quiz-style questions and answers with fun skill games that students get to play on answering the questions. It all adds up to a lot of fun, a lot of learning, and a system that's very easy to use.
- Quizizz is an education-based platform that offers engaging gamified quizzes and interactive lessons to any learner.

3. Literature review:

- In recent years e-learning has been the subject of many researches, Keller & Suzuki (2004) studied on Learner motivation and e-learning design; the results of their empirical studies have approved the validity of their model for the systematic design of motivationally enhanced instruction in E-learning settings with regard to diminishing drop-out rates and other positive motivational results.
- Schaer, Roizard, Christmann & Lemaitres' (2006) study deals with using an e-learning course at ENSIC in France. The results of their study demonstrate that this new teaching does not decrease the time of teaching but encourages more active learning, moreover a better understanding of technology for students to proceed with their own ability.
- Rovai, Ponton, Wighting, & Baker, (2007) studied on student Motivation in Traditional Classroom and E-Learning Courses, Their study results give evidence that students who are taught by e-learning are more intrinsically motivated than students who go to Traditional Classroom, They found that there were no differences in three extrinsic motivation measures or a motivation. And also, the outcomes showed that graduate students were more intrinsically motivated than undergraduate students in e-learning and traditional education.
- Liaw, Huang & Chens' (2007) researchers' aim was to examine learners' approach toward e-learning systems they believed that learners' approaches can be classified four different factors "e-learning as a learner autonomy environment, e-learning as a problem-solving environment, e-learning as a multimedia learning environment, and teachers as assisted tutors in e-learning.

4. Objective of the study:

- To evaluate the effectiveness of various e-learning platforms and tools used at undergraduate level in classroom teaching.
- To compare the attitudes and achievement levels of students learning with the help of digital tools.
- To identify the e-learning platform which is more user friendly.
- To assess students' perception of their interactions with their teachers teaching in electronic classroom settings.
- To identify the students' awareness about e-learning.

5. Scope of the study:

The scope of the study is Nirmala Memorial foundation college of Commerce & Science, Kandivali (E) Only. Undergraduates students are selected for the study.

6. Research Methodology:

- Sample Type and size

Sample type consists of undergraduate students. The sample size is 100 respondents.

- Source of data :

The current paper is based on the study from primary data collected by using structured questionnaires.

- Sampling method:

The sampling method followed is a simple random sampling method. This technique provides every element or unit an equal chance of being selected in the sample.

- Data collection:

The data is collected from undergraduate student. Closed ended questions were included in the questionnaire.

7: Limitation of the study:

- The study is limited to Undergraduates students only.
- The study is limited to Nirmala memorial foundation college of Commerce & Science, Kandivali east only.
- The study is limited to English Medium College, Other mediums of colleges are not considered.

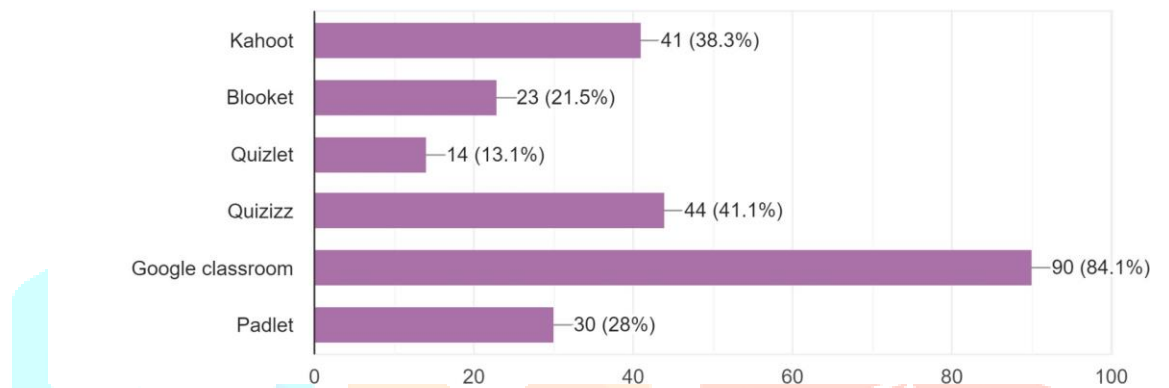
8. Data analysis and interpretation:

This questionnaire was prepared with an aim of understanding the behavior of students towards the use of E-learning tools and how effective these tools are in the classroom environment.

The observation from the survey are as follows:

Which of the following E-learning tools have you used before?

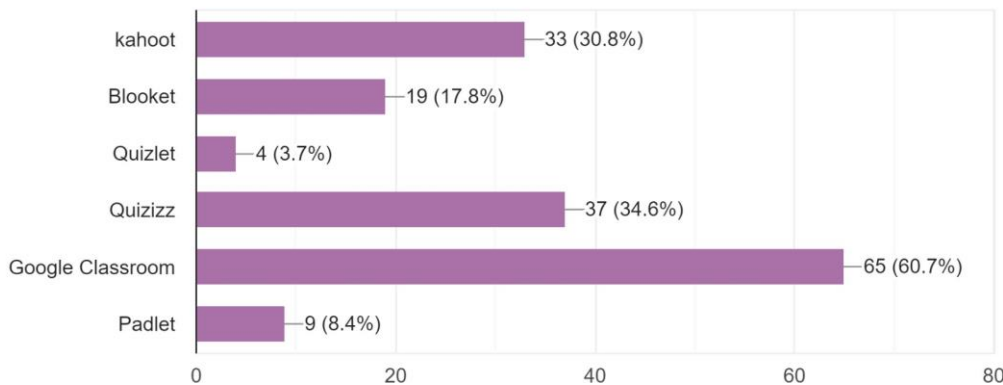
107 responses



- Out of a hundred respondents, majority of the students have E-learning tools however the foremost used tool per the respondents is Google classroom that is followed by Quizizz, kahoot, padlet, Blooket and Quizlet.

Which is your favorite tool from the following?

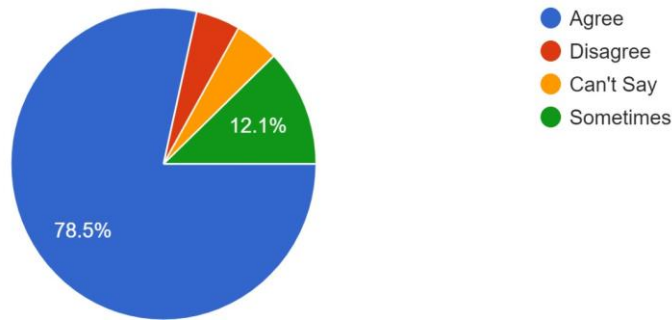
107 responses



- Out of a hundred respondents the foremost favorite tool of scholars is Google Claaroom that is followed by Quizizz,kahoot,Blooket,padlet and Quizlet.

Do you find the lecture interesting when the teacher uses E-learning tools?

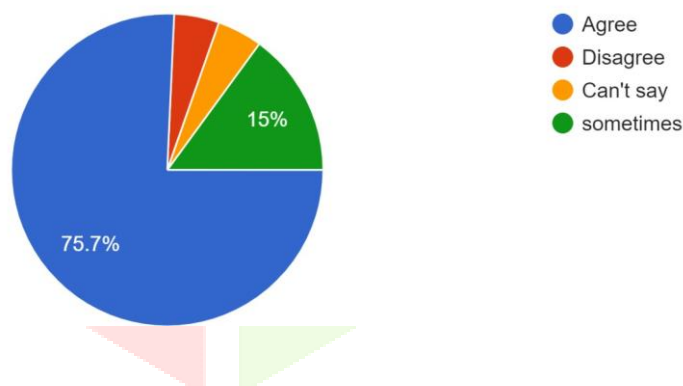
107 responses



- According to the survey almost 78.5% of students say that they find the lecture interesting when their teacher uses E-learning tools in the classroom. Around 12.1% of the students feel that the lecture is sometimes interesting with the use of E-learning tools. And around 10% of the students can't say/disagree with the above statement. Through this data it can be interpreted that more percentages of students find their lectures interesting with the help of E-learning tools.

It is easier for you to remember the concepts with the help of E-learning tools.

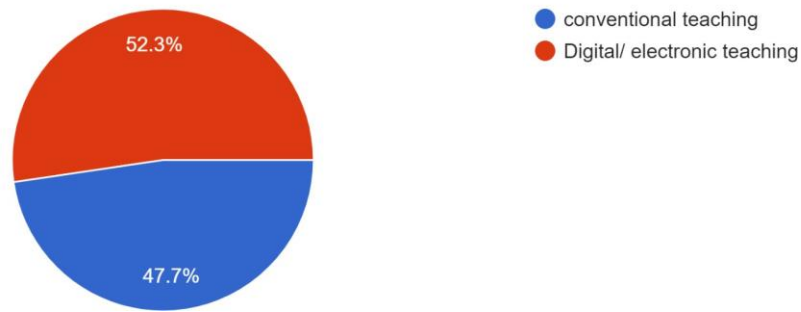
107 responses



- According to the survey almost 75.7% of the students can easily remember concepts with the help of E-learning tools. 15% of the students find it difficult to understand certain concepts with the help of E-learning tools. And around 10% of the students Can't say/disagree with the above statement. Through this data it can be interpreted that more percentages of students can easily remember concepts with the help of E-learning tools.

Do you prefer conventional teaching or digital/electronic classroom teaching?

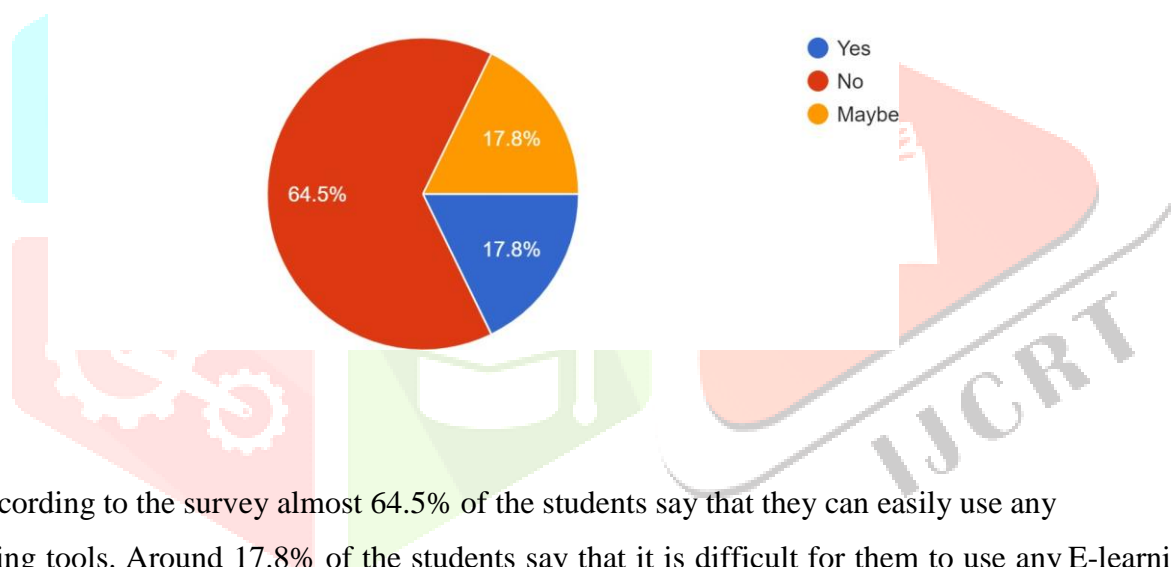
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- According to the survey almost 52.3% of the students prefer digital/electronic methods of teaching as compared to 47.7% students who prefer conventional/ traditional methods of teaching in the classroom.

You find it difficult to use E-Learning tools?

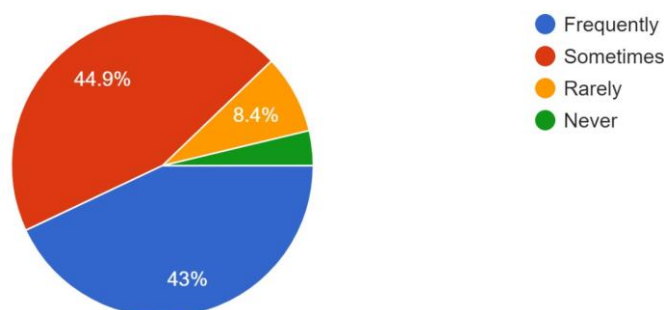
107 responses



- According to the survey almost 64.5% of the students say that they can easily use any E-learning tools. Around 17.8% of the students say that it is difficult for them to use any E-learning tools. And around 17.8% of the students are confused with the use of digital tools in the classroom. Through this data it can be interpreted that more percentage of students can easily use E-learning tools.

How often does your teacher use E-learning tools in the classroom?

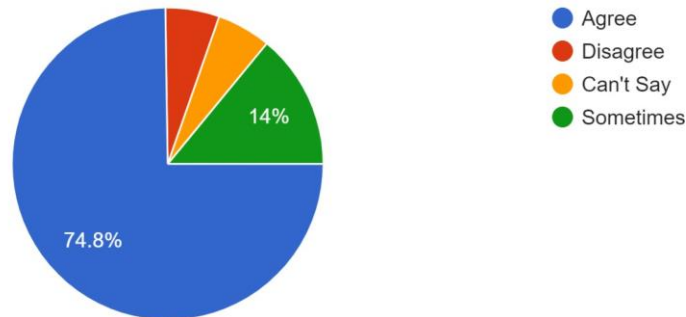
107 responses



- According to the survey almost 44.9% of the students say that their teacher sometimes uses E-learning tools in the classroom. Around 43% of students say that their teacher frequently uses E-learning tools in the classroom. 8.4% of the students say that their teacher rarely uses any digital tools in the classroom and around 3.7% of the students say that their teacher never uses any of the digital tools.

E-Learning tools provide clarity on difficult topics.

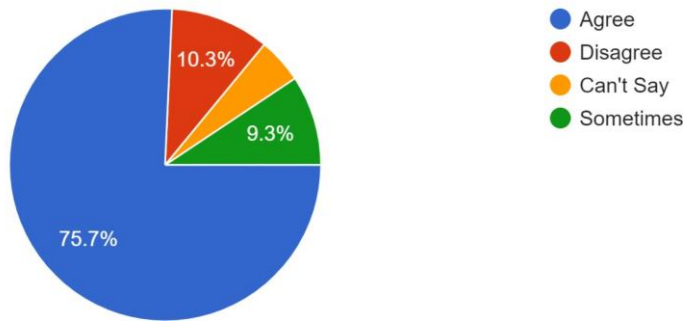
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- According to the survey almost 74.8% of the students say that they get clarity on difficult topics if the topics are explained with the help of E-learning tools. Around 14% of the students feel that they sometimes get clarity on difficult topics and around 11.2% of the students can't say/disagree with the above statement. Through this data it can be interpreted that students get clarity on difficult topics with the help of E-learning tools.

E-Learning tools make the classroom interactive.

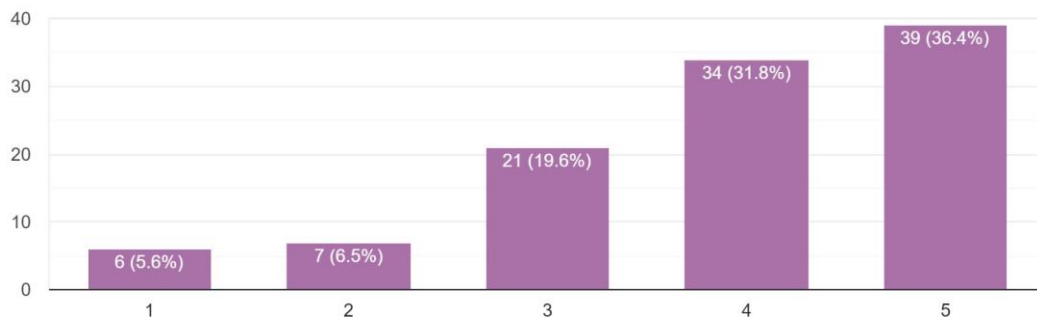
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- According to the survey almost 75.7% of the students feel that E-learning tools make classroom learning interactive as compared to 10.3% of the students who disagree with the above statement. Around 9.3% of the students feel that only sometimes the classroom is interactive. Through the above data it can be interpreted that E-learning tools make the classroom interactive for students.

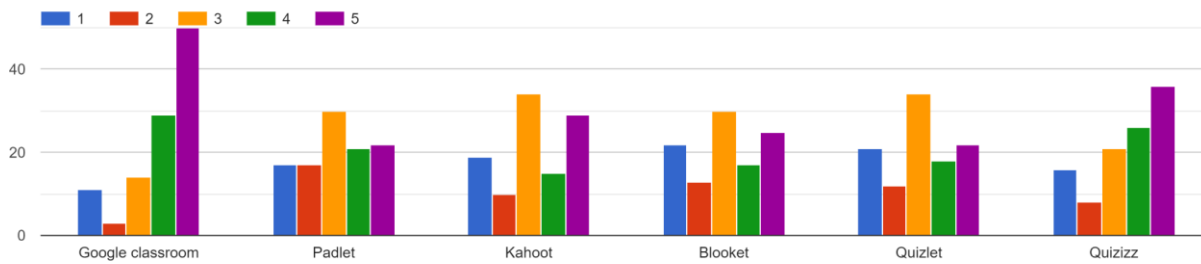
How beneficial are E-Learning tools? Rate your overall experience with 1 being the lowest and 5 being the highest.

107 responses

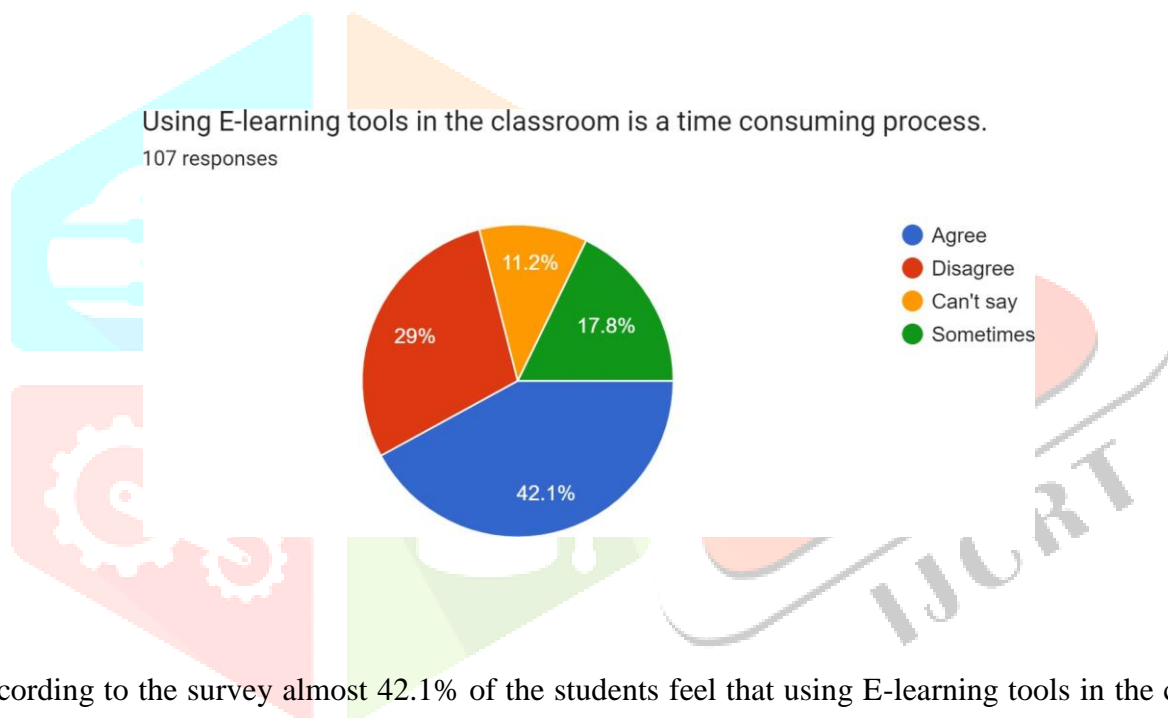


- Out of 100 respondents almost 36.4% of the students say that E-learning tools are beneficial in the classroom environment.

Rate the following E-Learning tools with 1 being the lowest and 5 being the highest.



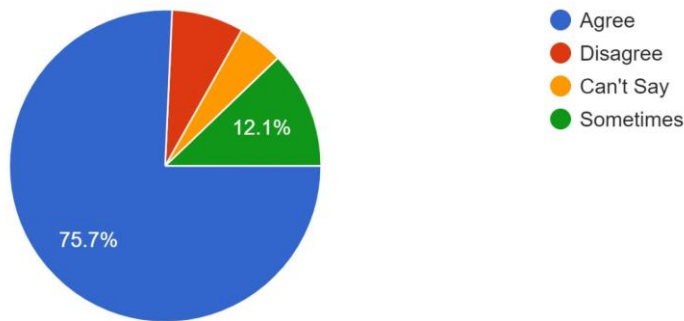
- All the a hundred respondents have rated the top of mentioned E-learning tools as per their preferences. The highest rated E-learning tool is Google classroom followed by Quizizz and Kahoot.



- According to the survey almost 42.1% of the students feel that using E-learning tools in the classroom is a time consuming process. Around 29% of the students disagree with the above statement. 17.8% of the students feel that sometimes using an E-learning tool is a time consuming process. And around 11.2% of the students can't say if using an E-learning tool is a time consuming process. Through the above data it can be interpreted that using an E-learning tool is a time consuming process.

E-Learning tools helps the learner to stay attentive and interactive throughout the lecture.

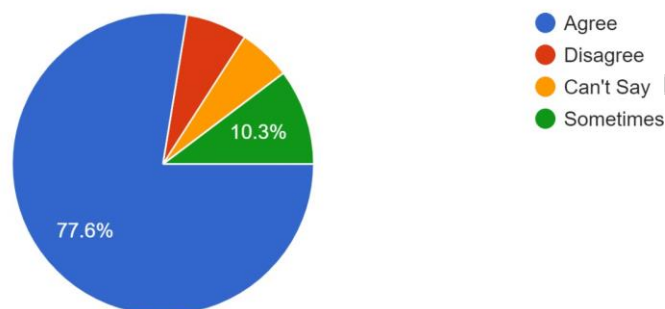
107 responses



- According to the survey almost 75.7% of the students say that using E-learning tools helps them to stay attentive and interactive throughout the lecture. Around 12.1% of the students say that the E-learning tool sometimes helps them to stay interactive and attentive during the lecture. 7.5% of the students do not agree with the above statement and around 4.7% of the students can't say if using digital tools help them to stay attentive and interactive during the lecture. Through the above data it can be interpreted that using an E-learning tool sustains the attention and interaction of the learners during lectures.

E-Learning tools helps students to become independent learners.

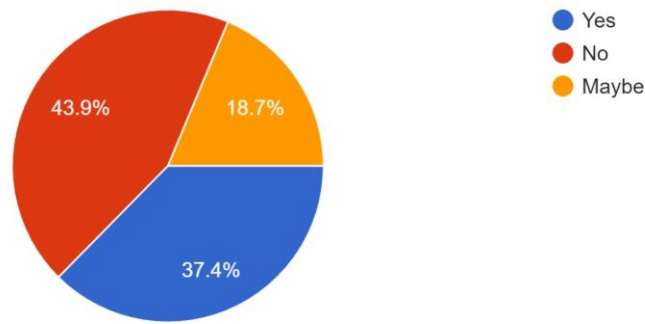
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- According to the survey almost 77.6% of the students say that E-learning tools facilitate them to become independent learners. Around 10.3% of the students say that sometimes E-learning tools can help them to become independent learners. 6.5% of students do not agree with the above statement and around 5.6% of the students can't say if E-learning tools can help them to become independent learners. Through the above data it can be interpreted that using an E-learning tool helps the students to become independent learners.

Does E-Learning tools reduce the interaction between a teacher and a student

107 responses



• According to the survey, virtually 43.9% of the students say that E-learning tools don't cut back the interaction between an instructor and a student. Around 37.4% of the students feel that using digital tools reduces the interaction between a teacher and a student. And 18.7% of the students are quite unsure regarding the above statement.

Through the above data it can be interpreted that an E-learning tool doesn't cut back the interaction between an instructor and a student.

9. Conclusions:

Electronic learning technologies are the best tools in the process of teaching and learning. These tools make learning from anywhere and everywhere easy for the students. Electronic learning or 'e-learning' has been an influential mode of learning today.

Based on this study, it can be concluded that the students were exposed to e-learning tools on a regular basis. This study has also proven that e-learning tools are a great help to the students in their teaching learning process, it helps the students to remember certain concepts with great ease and fun and could provide greater flexibility on instructor-led or self-study courses among the

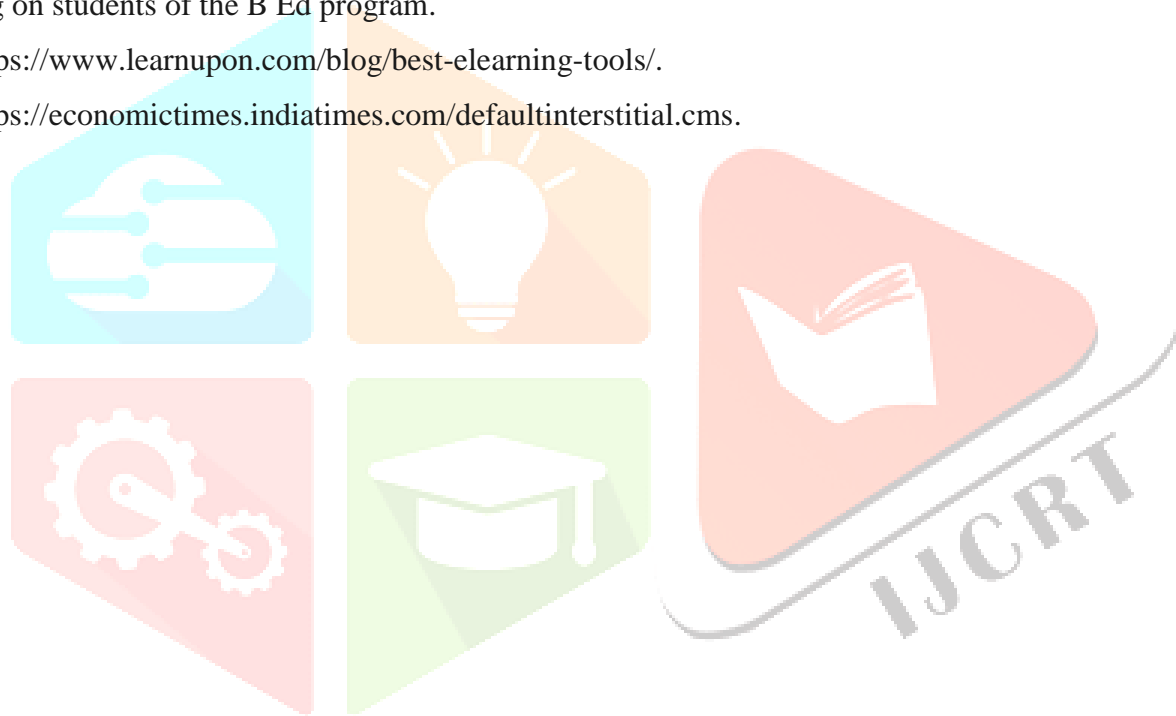
students. The main advantage of e-learning tools is it enables learning at any place and time while making the topic more interesting and interactive and its disadvantages are the students

may feel that they lose their focus from the actual content because using E-learning tools at times is a time consuming process. Through this study it was also found that using e-learning tools helps the students to retain more attention throughout the lectures.

In short, e-learning is an integration of technologies in teaching and learning. It enables students to learn effectively but eventually it is the educators who still need to play their roles and perform their tasks in order for the learning process to happen.

10. References:

- Keller & Suzuki (2004) studied on Learner motivation and e-learning design.
- Rovai, Ponton, Wighting, & Baker, (2007) studied student Motivation in Traditional Classroom and E-Learning Courses.
- Schaer, Roizard, Christmann & Lemaitres' (2006) study deals with using an e-learning course at ENSIC in France.
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Appendix:

Appendix A: Questionnaire.

SR. NO	ASPECTS				
1	Which of the following E-learning tools have you used before?				
2	Which is your favorite tool from the following?				
3	Do you find the lecture interesting when the teacher uses E-learning tools?				
4	It is easier for you to remember the concepts with the help of E-learning tools.				
5	Do you prefer conventional teaching or digital/electronic classroom teaching?				
6	You find it difficult to use E-Learning tools?				
7	How often does your teacher use E-learning tools in the classroom?				
8	E-Learning tools provide clarity on difficult topics.				
9	E-Learning tools make the classroom interactive.				
10	How beneficial are E-Learning tools? Rate your overall experience with 1 being the lowest and 5 being the highest.				
11	Rate the following E-Learning tools with 1 being the lowest and 5 being the highest.				
12	Using E-learning tools in the classroom is a time consuming process.				
13	E-Learning tools help the learner to stay attentive and interactive throughout the lecture.				
14	E-Learning tools help students to become independent learners.				

15	Does E-Learning tools reduce the interaction between a teacher and a student				
16	Do you feel E- learning tools divert the attention of students from the content to mere visual aids.				

