

Topic - Impact of virtual learning environment

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Introduction

In today's world, the very pillars of education have changed drastically. People are now more concerned about living in indoors rather than going out for day-to-day activities. The very foundations of education have shifted to online learning or virtual learning (Tabatabai, 2020). People are now more concerned with their children staying indoors and learning their lessons rather than going out to schools or colleges to gain an education. This is because in the recent scenario covid-19 has impacted fatally. Lessons are now taught by teachers in virtual learning through phones or laptops and the students can gain access to these lessons while being in their homes (Henritiuse *et al.*, 2019). This has both negative and positive aspects. On one hand, the children can gain knowledge without having to go through the stress of going to school but on the second hand, the children can't be kept in proper check as the teacher is on a virtual basis.

Problem statement

In the current situation as of 2020, it has been seen that every section of the world has been affected due to the Covid-19 pandemic (Kim and Asbury, 2020). Every business and office has been shut down for reducing the rapid spreading of this virus. The infection rate among humans is increasing gradually which gives a negative impact on the education system specifically in the UK.

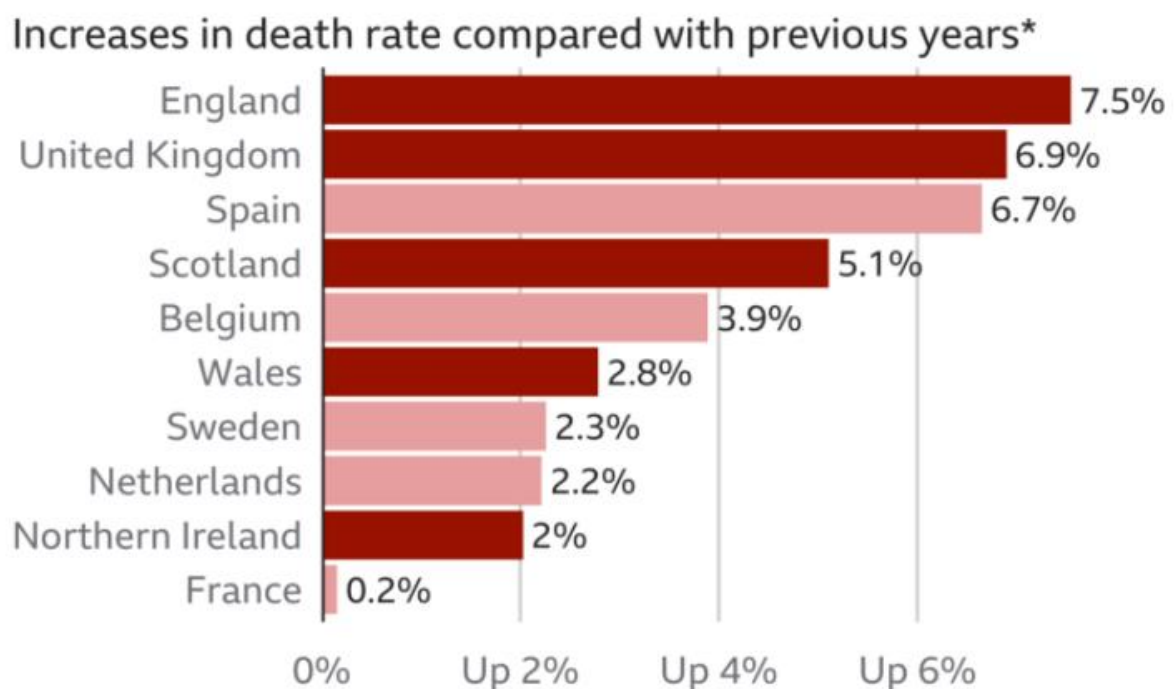


Figure 1: Death rate of population in Europe in 2020

(Source: BBC, 2022)

From the graph, it can be said that the death rate due to Covid-19 is highest in the England and UK which gives an impact on the health of every people in this country. Hence, the government of this country announced a permanent lockdown in each of the schools and colleges in the country. Therefore, the students of this country are not able to gather knowledge and continue their studies physically (Kim and Asbury, 2020). This provides restrictions to the study of the education process of the students. Therefore, a new version of the study has been introduced in the world such as online study. In the current situation, the students of the UK are studying through an online process which also give a positive and negative impact on the student's life. In this project, the researcher had discussed the impact of the virtual environment on the student's life.

Research Aim.

This research aims to find out the impact of virtual learning on the education imparted to the students. Virtual learning has both negative as well as the positive manner and both aspects are in a balanced state. The positive is that the students are now safe and the negative is that the students can drop the video session anytime they feel like it.

Research Objectives.

The main objective of this research is to find out about the implications of virtual learning on students' growth. The main research module function on this basic need.

Literature Review

In this we mainly see that virtual learning is categorized into five basic types of learning (Perervaet *al.*, 2020), mainly being;

Distance learning - this is the type of education when the element of physical education are the ones where the students are allowed to use different technologies to get an education.

Online learning –takes place over the internet, and the student learns. This takes place in an active time.

Blended learning – this is the one where the students are to learn the lessons on an online as well as an online basis. This is where the student can get maximum knowledge of the subject.

Virtual school – a virtual school is one where the students are allotted permanent school from home. This is mainly the case with distance schools.

Self-regulated learning – in this the students are encouraged in their behavioral patterns in the schools. The students are made to learn through new experiences in the field. This also enhances the student's all-around development.

Research Methodology

The research methodology is the sources from which the data has been taken for the conducting of this research. These are the primary and the secondary sources from which the participants have given their opinions and it is analyzed on a statistical basis regarding this research (Dung, 2020). The primary data sources are mainly the students who are deking the virtual sessions from the schools and colleges regarding their education, on the other hand, the secondary sources of the inner people who are attached to the process as the parents the teachers, and any other individual who is indirectly influencing this education process (Almarzooqet *al.*, 2020). Both the individuals are collectively given their opinions of the research.

Research philosophy

The research philosophy is the objective way of understanding the research objective. The research philosophy in this case is positivism. The facts and the figures gained from the research are dependable data sets.

Research approach

In this research, the approach research is mixed that is both deductive as well as inductive. This means that the research aims at developing and testing the proven theory.

Research design

In this research, the design is both qualitative as well as quantitative. This means that the research has the dealing with both the numbers and statistics as well as the words and meanings.

Sampling

As per Robertson and Sibley (2018), sampling is a process by which the researcher can select the sample size from a wide range of populations. In this case, the research had selected the random sampling method to select the sample for the survey in the project. The researcher had selected 23 students from various colleges and schools in the UK and asked them various questions which can provide answers to this research objectives. On the other hand, the researcher had used the inclusion and exclusion method to select the articles for the secondary research and they had selected 10 relevant articles to conduct secondary research on the impact of online classes on the environment. They have selected those articles which

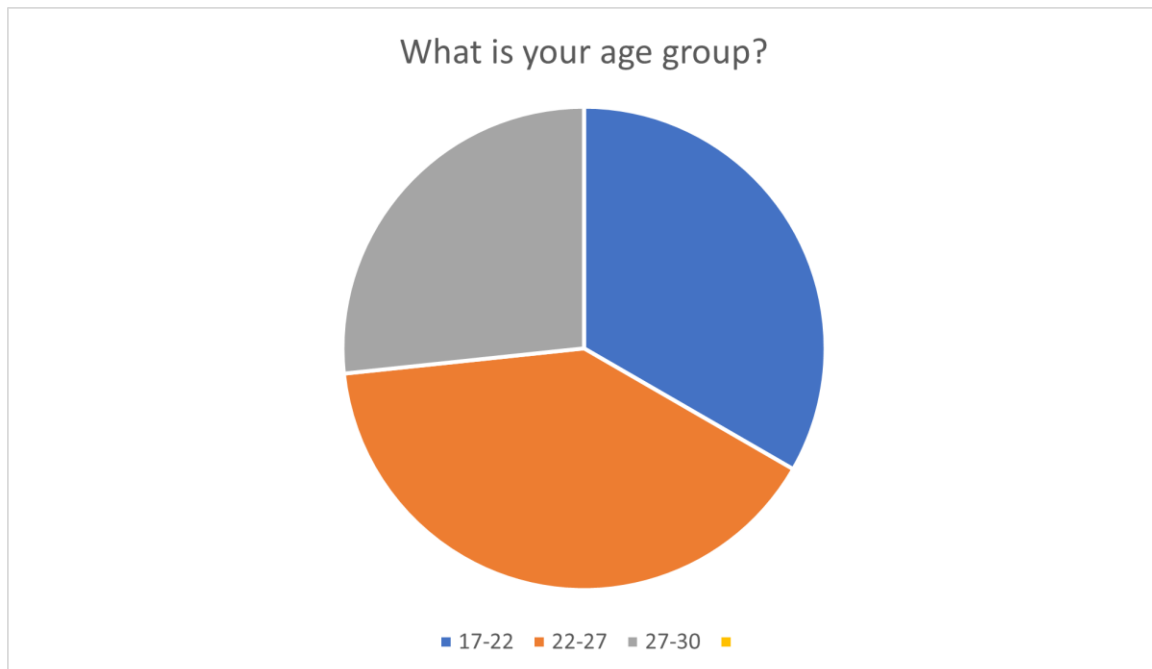
had well structure and wide discussions about the research related to virtual learning environments. They had also excluded those articles which did not have good structure and discussion.

Data collection

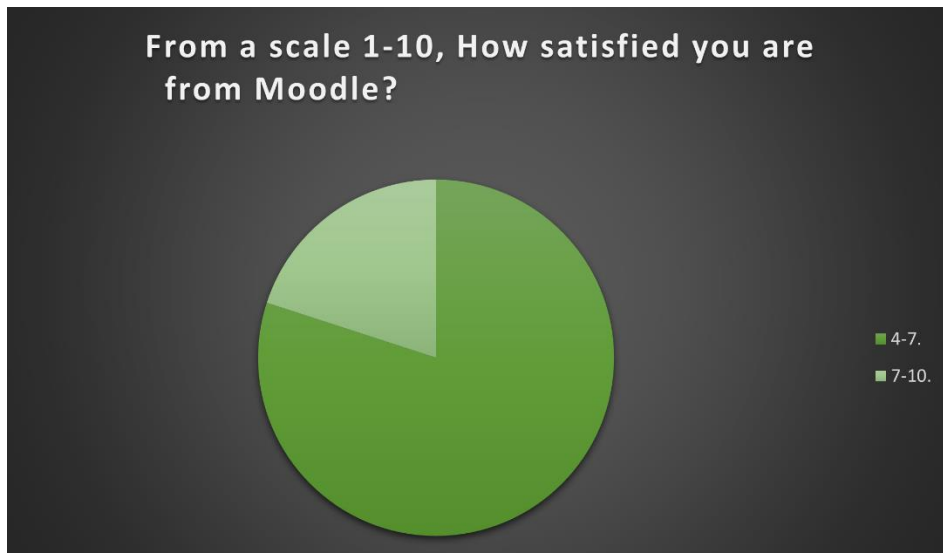
In the data collection process, the researcher had structured the questionnaires with the help of the Google form and after that sent all the questions to the participant through mail as they want to avoid physical contact for this Covid-19. After this, the researcher had collected the responses from the participants and analyzed them with the help of graphical structures. On the other hand, the researcher had collected the information from the selected articles and analyzed those through the thematic data analysis process about the impact of a virtual learning environment.

Primary data analysis

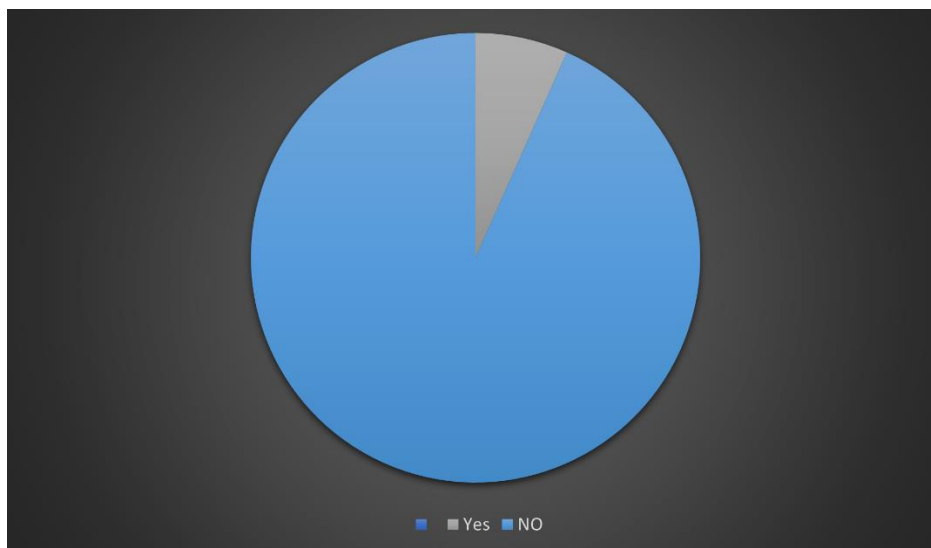
Q1.What is your age group?



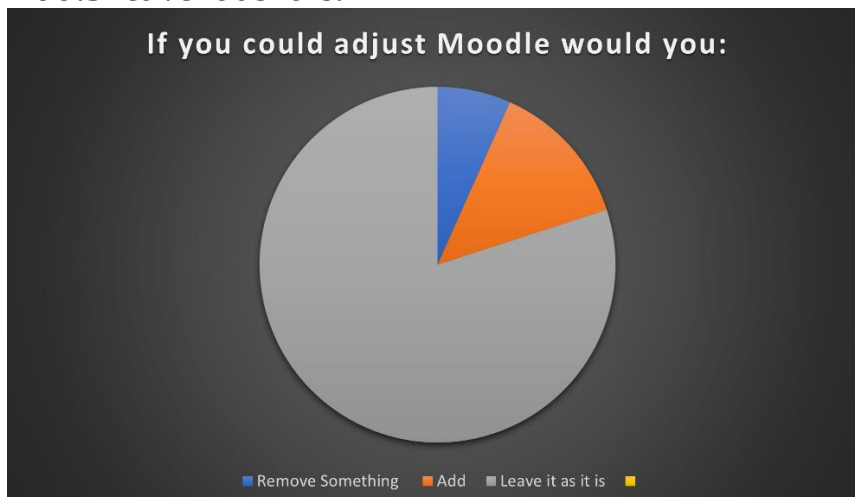
Q2. From a scale 1-10 how satisfied are you from Moodle?



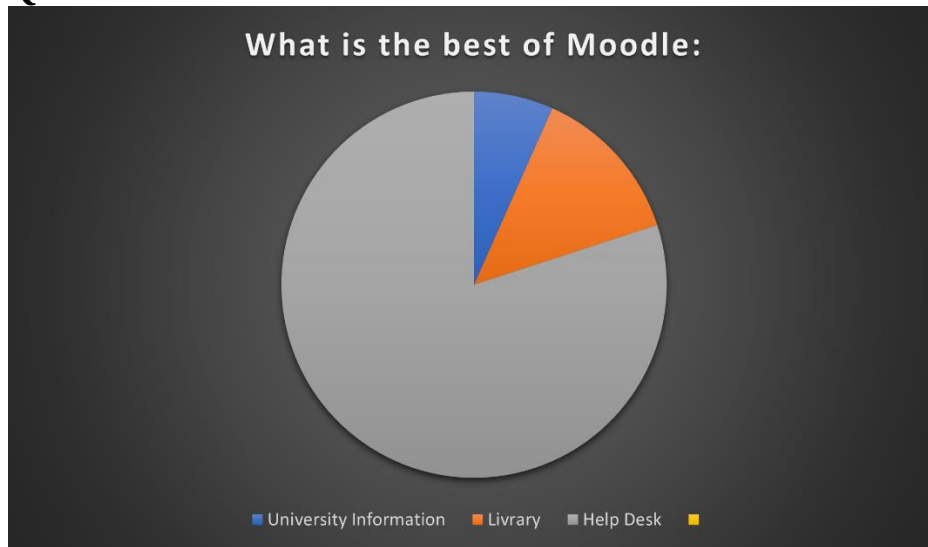
Q3. Do you feel that Moodle is complicated? Yes-No



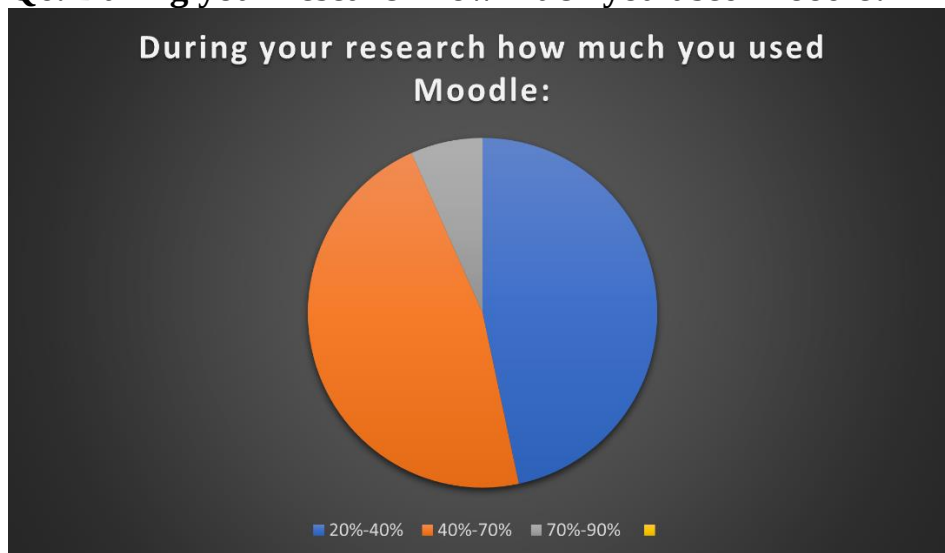
Q4. If you could adjust Moodle, would you 1. Remove something.2 Add.3 leave it as it is.



Q5. What is the best Part of Moodle?



Q6. During your research how much you used Moodle?



Secondary data analysis

Theme 1: More than 81% of students preferred visual learning techniques within the UK

With the advancement of technology, every sectoral business has developed and evolved with time all over the globe (Pezzino, 2018). As stated by Wati (2020), visual learning techniques aid in enhancing the overall systematic procedures of learning enhances the self-interest of the students, and thus optimize the overall behavioral patterns of the students. Henceforth it

can be concluded that the students are overall favoring the visual learning techniques very much because not only the strategies of gaining knowledge have become creative, but also the overall future concerns have become enhanced.

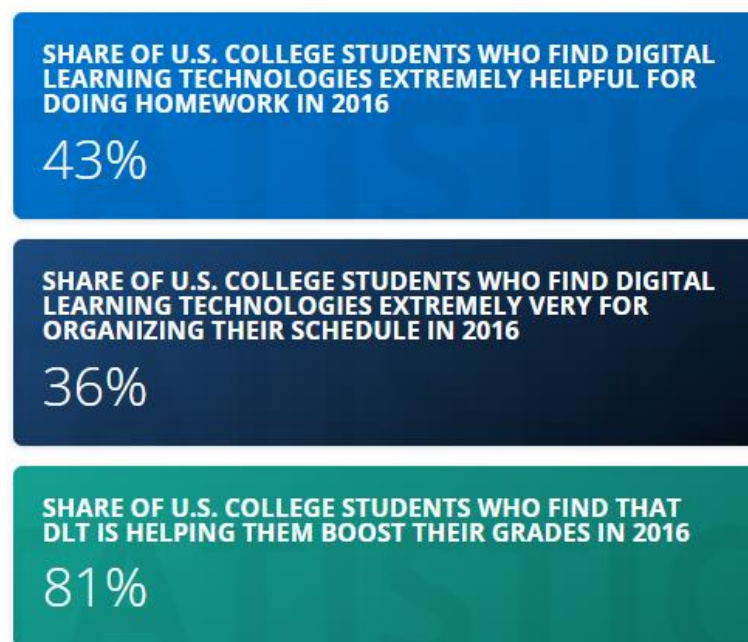


Figure: Visual learning techniques favored by the students of the UK
(Source: Statista, 2022)

The above figure illustrates the favourableness of the students of the UK towards digital learning technologies. As derived from the above figure, it can be concluded that the overall favourableness increases because of the enhanced technologies, adaptations of visual understanding, and much more optimistic behavior of the students too.

Theme 2: The advent of the pandemic has further increased the favourableness of the students toward visual learning techniques

It has been observed that the advent of the uncertain pandemic has adversely impacted physical interactions and the imposed lockdown has closed educational institutions too (Checa and Bustillo, 2020). As stated by Statista (2020), 89.65% of schools have initiated online classes, even the marginalized sections of society have also been given such devices by governmental forums. Henceforth it can be concluded that the incorporation of the visual

learning techniques has overall enhanced the performance of the students, and enhanced their interests and motivational attributes all over the UK. Furthermore, it has been observed that the students can easily understand the course curriculum through visual learning processes (Khanzode and Sarode, 2018). The increased awareness is majorly known for the higher grades students as through such optimistic approaches the complex processes could be much more easily understood too. Thus, the advent of the pandemic and the imposed lockdown have further showcased the significance of the visual learned techniques as that was the only left means which have enhanced the effectiveness of the product features and thus optimizes the learned behaviors of the concerned students.

Discussion

It has been observed that students, teachers, and parents are also favoring the efficiencies of the visual learning techniques. The current spread of the virus has adversely influenced physical interactions and in such adverse cases, the only optimistic feature that could aid in continuing the course curriculum of students is visual learning beneficiaries. The effective video lessons aided in a much easy understanding of the complex chapters too (Torres Martínet *al.*, 2021). Henceforth it can be concluded that the increased death rate because of the poor academic performances of students could be easily mitigated through the visual learning methodologies as it not only made the video lessons interesting but also enhanced the interest factors of the students. The effective doubt clearing sessions could also be conducted at any point in time. Furthermore, the increased capability of joining and revisiting the videos aided them to revise anytime the course curriculum (Gourlay, 2021). Thus, with the efficient visual learning techniques, the overall performances, as well as the optimistic outcomes of the students, got improvised.

Conclusion

Henceforth it can be concluded that the visual learning methodologies aided in enhancing the overall strategic forums of teaching and the easy availability have further enhanced the reach of the students too. It not only aided in optimizing the careers of the individual students but also aided the government in reducing the spread of the virus during the time of the pandemic. The effect of the pandemic has reduced the learning of many students around the world. As many of the laureates have suggested this is the new normal now. The students as well the parents need to adopt this new learning.

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