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Research Article

The Role of Emerging Trends in Education

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ABSTRACT

Emerging Technology Trends in Education is defined as those technologies that represent new and significant developments in the field like the Internet of Things (IoT), Education 4.0 which uses the Blending Learning, Augmented Reality, and Virtual Reality. In this time of Pandemic there are lots of challenges encountered like we cannot conduct a face to face classroom instruction and even the simulation of activities. Educational courses that require laboratory of simulation of activities is the biggest challenges because students are having hard time in understanding the practical real-time applications. In this time of Pandemic the evolution of Emerging Trends in Education helps a lot because it's characteristics to adopt the requirements as required by the Inter-Agency Task Force on COVID-19 (IATF.)The purpose of the study is to help and strengthen the role of the Emerging Trends in our Education amidst the Pandemic and to help our Educational Sector boost up the level of education in the new Normal Approach and schools will be able to adapt these emerging technologies specially in this time of a pandemic. In conclusion Emerging Trends plays a vital role because majority of the educational sector are now using Augmented Reality (AR) and Virtual Reality (VR) in their practical laboratory exercises while at home.

Keywords: Emerging Trends, Education, Role

Introduction

Emerging Technology Trends in Education is defined as those technologies that represent new and significant developments in the field like the Internet of Things (IoT), Education 4.0 which uses the Blending Learning, Augmented Reality, and Virtual Reality. In this time of Pandemic we should abreast with the Emerging Technologies that can help us in continuing our

Education. Emerging technologies have made distance education more effective and efficient in promoting learning that improves the intellectual level of students and pedagogical skills of tutors and academicians In this time of Pandemic there are lots of challenges encountered like we cannot conduct a face to face classroom instruction and even the simulation of activi-

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ties, (Hussain, 2020). Global leaders need to decisively create an enabling environment by giving gratitude to and communicating with change agents, and developing policies that will encourage institutional-wide rendezvous with emerging technologies, (Ng & Gachago, 2003). Educational courses that require laboratory of simulation of activities is the biggest challenges because students are having hard time in understanding the practical real-time applications. In this time of Pandemic the evolution of Emerging Trends in Education helps a lot because it's characteristics to adopt the requirements as required by the Inter-Agency Task Force on COVID-19 (IATF.) . Technology becomes more invisible, pedagogy that needs to make its practices visible offering practices that take into account the fundamental needs of modern society specially on this time of Pandemic., (Gros, 2015). The assessment of emerging technologies plays an important role because it is effectively integrated into learning and teaching settings which will bring benefits to the learners and teachers that needs reliable methodologies for evaluating the effectiveness of such emerging technologies such as IoT, AR and VR Technologies with LMS. However, the impact evaluations of technology in education are challenging because it will depend on the situation of the school/institution, (Voogt, n.d.)

The purpose of the study is to help and strengthen the role of the Emerging Trends in our Education amidst the Pandemic and to help our Educational Sector boost up the level of education in the new Normal Approach and schools will be able to adapt these emerging technologies specially in this time of a pandemic. In conclusion Emerging Trends plays a vital role because majority of the educational sector are now using Augmented Reality (AR) and Virtual Reality (VR) in their practical labor-

atory exercises while at home. Emerging Technologies evolution will be more inextricably bound to contemporary information communication technologies that can be approximating with some aspects of human thought processes even in this time of pandemic, (Dziuban et al., 2018).

Statement of the Problem

The study will focus on The Role of Emerging Trends in Education, the research study sought to find answers to the following questions:

1. How familiar are you with emerging technology methods?
2. What emerging technology tools are you familiar with?
3. What emerging tools do you use for educational assessment in the classroom?
4. How would you rate your proficiency in terms of emerging technology?
5. How would you rate our school's use of emerging technology in learning and teaching?
6. To what extent has tech made your work more efficient?

Methodology

- The Descriptive statistic research designs summarizes or describes the characteristics of a data set, (Hayes, 2021). As such, the research design maximizes objectivity by Measures of central tendency include the mean, median, and mode..
- This study aims to determine The Role of Emerging Trends in Education

This study has acquired a sample size of 23 respondents. A non-probability sampling method, purposive sampling technique, was used in the selection of respondents.

Results and Discussions

How familiar are you with emerging technology methods?

23 responses

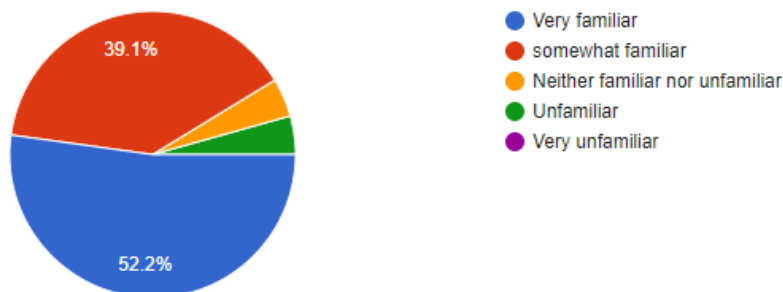


Figure 1. Shows that there are 39.1% who are somewhat familiar with the emerging technology methods or platform which means that majority of the respondents are can easily cope up the technological changes

What emerging technology tools are you familiar with?

23 responses

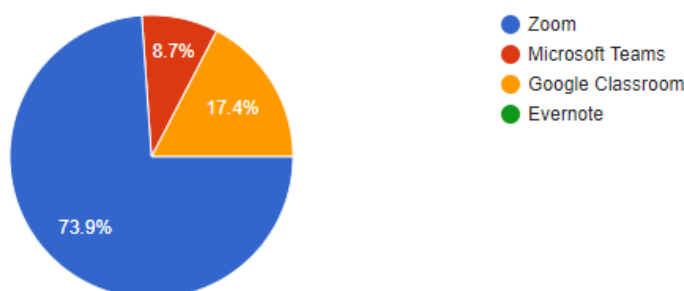


Figure 2. Shows that 73.9% of the respondents are familiar with Zoom platform and majority of them are using this as an emerging technology in terms of teaching and learning activity with their students

What emerging tools do you use for educational assessment in the classroom?

23 responses

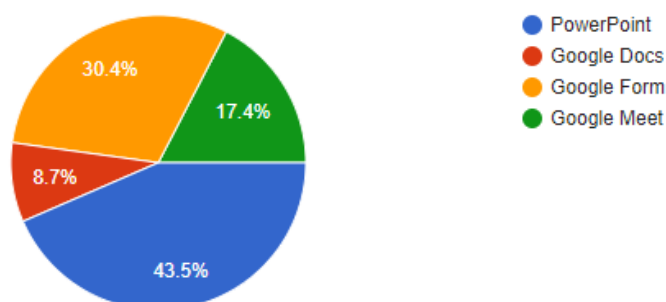


Figure 3. Shows that 43.5 % of respondents uses Powerpoint as educational assessment in the classroom specially in this time of pandemic

How would you rate your proficiency in emerging technology?

23 responses

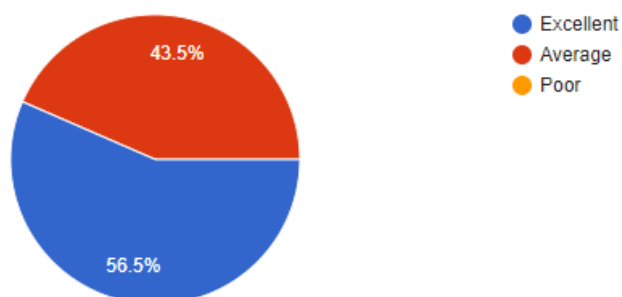


Figure 4. Shows that 56.5% of the respondents are proficient in using the Emerging Technology Platform

How would you rate our school's use of emerging technology in learning and teaching?

23 responses

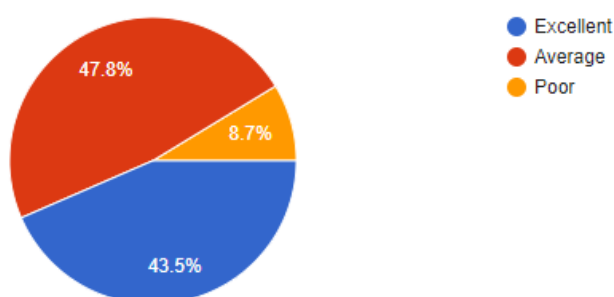


Figure 5. Shows that 47.8% of the respondents are using the Emerging Technology in Teaching and Learning at School

To what extent has tech made your work more efficient?

23 responses

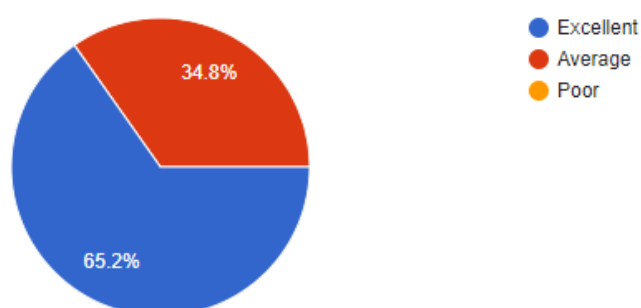


Figure 6. Shows that 65.2% of the respondents has technology made them to work more efficient

The organization uses technology to achieve its objectives.

23 responses

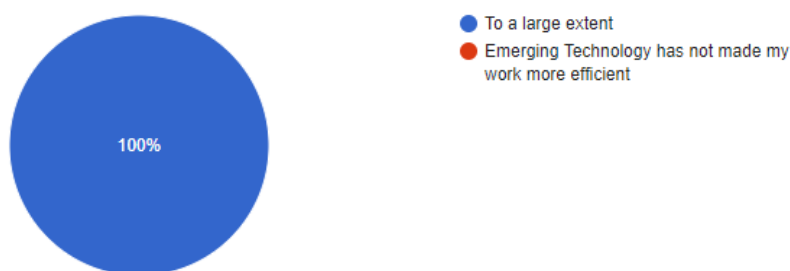


Figure 7. Shows that 100% of the respondents are using technology in achieving the objectives of teaching and learning

Conclusion

In conclusion majority of the respondents are using Emerging Technologies in delivering teaching and learning in high quality standard. Emerging Technologies plays a vital role in the the competences that will improve critical thinking, problem solving, collaborative work approach, creative thinking because Emerging Technologies (ETs) which are more contextual, adaptable, evolving, ubiquitous, disruptive, innovative, complementary and generate a degree of uncertainty and interactive and it found specially in teaching and learning, (Neira, 2017) specially in this time of pandemic.

Recommendations:

Even if the pandemic will end, the importance of using Emerging Technologies in Education is very important and a big help in our society. It is highly recommendable to continue to adopt this new platforms for teaching and learning. Availability of data and material
 • Funding: Not Applicable

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