

Role of Web Technology in Primary Education

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Abstract - World is changing day by day using technologies. Web technology plays vital role in educational field. Technology is progressing rapidly. Great amount of educational information is readily available and easily accessible throughout the web. There are lots of technologies like internet, email, online teaching platforms, etc. used by the teachers and students to communicate. In this research paper we are specially focusing on the 'Role of Web Technology in Primary Education'.

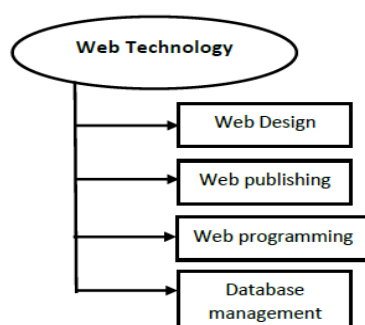
Keywords: Primary Education, Technology in Education, Student Life-changing Technology.

I. INTRODUCTION

Now days there are different types of teaching methodologies in primary education. Various online educational platforms are open to all students. Use of web technology in education sector has some advantages and disadvantages too. In this research paper, we are going to know about not only Web Technology but also the changing life of students due to this technology.

II. WEB TECHNOLOGY

Web technology is defined as the various tools and technologies that are used as a medium of communication between server and user/client using internet. Web Technology is the combination of World Wide Web (WWW), web browser, web server, web pages. WWW is the collection of documents, connected through links, spread out over thousands of computer over the internet and these pages over the web can be accessed using a web browser. It includes building, creating, and maintaining of websites. Furthermore it contains aspects such as web design, web publishing, web programming, and database management.



Primary Education

In India, Primary education is of eight years. Students' ages from 6 to 14 comes under the primary education. Mainly primary education has two stages first one is 'primary stage' from class 1 to 5 and second one is 'upper primary stage' from class 6 to 8. It is a time of remarkable growth with brain development.

For primary students, technology can be used to build fundamental skills to prepare them for future independent learning. Students are using interactive games to reinforce math, spelling, phonetic, and reading skills. Sites like Spelling training permit students our teachers to upload their own word lists to practice word pronunciation and create interactive games. Parents can also use these sites to exercise fundamental skills beyond the walls of the classroom.

In primary students, Technology help to teach Math and English and indeed other curriculum in a fun manner and put these subjects into environment making them easier to digest and more understandable to younger primary age pupils.

Technology in Teaching and Learning

It is very easy to know or learn something. Today we all are using technology and so all the educational information is easily available throughout the web. Just one click on Google, we come to know the answer to our questions. Also on you tube there are lot of tutorials to watch and study. The teacher will simply switch on or switch off radio programs, television programs, play DVDs or CDs that contain educational programs. Technology is a teaching tool, but can never replace a teacher. It is being used to facilitate and lightens the work of the teacher. Technology has modernized the teaching-learning environment.

While the teacher utilize technology as the tool for learning, likewise it is an effective tool, it makes learning interesting, easy and effective. Even the teachers who are teaching can utilize similar tools for learning. Students are using these learning tools and completing their academic task effectively using the technology. The topics they are studying are also becoming increasingly clear to them because of availability of information in images, videos and animation format.

III. IMPACT OF TECHNOLOGY ON EDUCATION

Technology is changing in such way that we learn from zero to hero. Education is one of the most impacted areas of technology. According to our research, there is some positive impact as well as some negative impact of technology on education.

Positive Impact

1) Easier Access to Information: The books can be stored in the classroom because the information that they need is easily accessed on a computer.

2) Broaden the mind: Before the internet, children knew what their family thought them. This caused their political and religious views to be the only ones that the children knew. Having access to the technology will expose them to things outside of their parents' interest and help them to form their own opinion.

3) Prepare student for the future: If the students are well-versed on using technology to collaborate and communicate as early as now. They will not have trouble fitting in, competing and finding jobs in the future.

4) Promotes exciting way to educate students: Since there are lots of images, videos and other graphics and text that may be found in your computer, more students would feel the excitement in studying through the use of the gadget, this is very important in order to arouse their interest in studying.

5) Make students challenging: Education is becoming challenging day by day. Educational websites, applications, games like word puzzle, sudoku, logical games make students' mind challenging that will be better for their future life. If students learn how to face challenges today, it will become easy for them to face challenges in their next educations.

Negative Impact

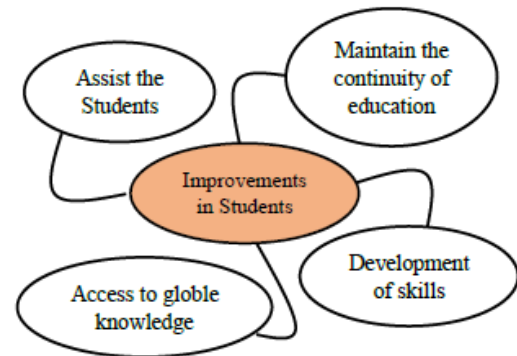
1) Expensive: Technology required in the education includes internet services, computer hardware, printers, internet browser etc. Acquiring all of these needs a lot of money to invest in technology at your school.

2) Distraction: Cartoons are becoming very popular among the children. They are spending most of their time, which is having a bad effect on their studies.

3) Students acquiring wrong information: Many websites and other online platforms are providing wrong information that users require. Many websites post deceptive material online in order to increase traffic, even if the information is inaccurate.

4) Health issue: Media devices may lead to psychological and physical issues, such as eyestrain and difficulty focusing on an important task. They may also contribute to more serious health conditions, such as depression.

Improvement of students due to technology



IV. CONCLUSION

Technology is being used more and more in education. Students are progressing highly using these technologies. Getting the prior knowledge is very helpful for students in their education. Students can get prior knowledge of their higher education so that whenever they will go for their higher education, it will not be difficult to learn and understand. Technology is very helpful for not only students but also teachers. Teachers are using new concepts for teaching using the technology. In some schools, teachers are providing 3D animated concepts so that students will visually understand all the concepts easily. But technology can not replace a teacher. They both together will make a bright student.

REFERENCES

- [1] https://en.wikipedia.org/wiki/Primary_education
- [2] https://www.researchgate.net/publication/303703009_Web_technology_based_innovations_in_education_sector
- [3] <https://www.dezzain.com/technology/technology-effects-on-education/>
- [4] <https://happynumbers.com/blog/list-of-teaching-methodologies-primary-school/>
- [5] https://prezi.com/t7_x60fsmas4/a-summary-of-the-role-of-web-technology-in-education/

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