**A SERMINAR**

**ON**

**THE ROLE OF INTERNET IN EDUCATION**

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**APPROVAL PAGE**

We hereby certify this seminar titled “**the** **role** **of** **internet**” written by **Goodness** **Monday** **ekpenyong** with registration number “**N/2019**/**CSE**/**013** has been examine and found acceptable for the award of National Diploma in Computer Software Engineering.

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**ABSTRACT**

The growth of the Internet in the world provides many opportunities to many people around the world in many different ways. When education is considered, the use of the Internet is not mainly for social and entertainment purposes. However, it is very obvious that the Internet provides not only social connection and entertainment, but also academic and scientific information as well. Additionally, the Internet can be used as a tool to learn the latest news all around the world as well as getting any kind of information that serves different purposes such as learning more information about a hobby or health. Therefore, it can be said that the Internet is the source of spreading information quickly to a large audience and of going beyond the limitation of time and space. In the light of the above information, it is vitally important to encourage stakeholders in the educational sector to use this invaluable source to get any kind of information they need in their academic studies. For the reasons mentioned above, the aim of this seminar is to examine the role of internet in education.

**1.1 CHAPTER ONE**

**INTRODUCTION**

Nowadays, it is difficult to discuss any aspect of contemporary society without considering the Internet. Many people’s lives and careers depends fully on the internet.The internet has become the most useful and valuable technology in today’s time not only helping us in our day-to-day living but also in our own professional lives as well. One sector of our lives that has feel the greatest impact of internet is the educational sector from primary to tertiary level.

One of the basic functions of education is preparation of students for life. This function in 21st century may be participation in an information rich society, where knowledge is regarded as the main source for socio-cultural and politico-economical development of countries and/or nations. The advent of Internet Technologies has inevitably changed the way we acquired knowledge. These technologies, as well as others, have altered the method in which people learn, work, communicate, and even shop. Today, internet tools such as e-mail, satellite connections, and video conferencing software have provided educators with the tools to provide synchronous as well as asynchronous communication with their students.

The use of internet technologies in education has grown tremendously. Online courses, which may or may not provide teacher-student interaction, are becoming the most common form of acquiring qualitative education in all countries Nigeria not being an exception.

Educators and Students who have unlimited access to internet technologies at school and/or at home tend to be more knowledgeable and have more computer experience than those that do not (Zeliff, 2004).

The introduction of internet technologies in classrooms has followed the same pattern of use. Before the advent of microcomputers in the 1980s, mainframe computers were used to deliver drill and practice and simple tutorials for teaching students lessons. When microcomputers began populating classrooms, the natural inclination was to use them in the same way. ( Salisu Abdullahi, et al 2014).

Later in the 1980s, educators began to perceive the importance of internet technologies as productivity tools. The growing popularity of Email, Whatsapp , MS powerpoint, word processing, databases, spreadsheets, graphics programs, and desktop publishing was enabling learning to become more easily. So students in classroom began using Gmail and Whatsapp group chat, MS word and using graphics packages to write assignment and receive lecture.( Salisu Abdullahi, et al 2014).

The role of internet in the development of any nation educationally cannot be overemphasized. The Internet plays a major role in the lives of young people today. Children and youngsters engage in online activities both inside and outside the classroom (Sefton-Green 2004). Formally, that is in the school, young people use the Internet for instance, when searching for information and when completing tests. Informally, that is in their spare time, they chat with friends, play online computer games and are involved in fan fiction, i.e. using published material to create pictures and films etc.(Olin-Scheller & Wikström 2010).

The main aim of this seminar will be to examine the positive roles and impact of internet on education ranging from primary to tertiary level. The term E-learning will be used interchangeably with internet in Education.

**1.2 SCOPE OF THE STUDY**

The seminar focuses on the role of internet in education using secondary and tertiary education level as case study.

**1.3 Aim/objective of the study**

The aim of this research was to know the importance and benefits of internet in our education system.

**The objective of the study are as follows:**

1 To know the impact of internet on student.

2 to know about the benefits of internet in the field of education.

**CHAPTER TWO**

**REVIEW OF RELATED LITERATURE**

**2.1 A BRIEF HISTORY OF INTERNET**

The Internet started in the 1960s as a way for government researchers to share information. Computers in the '60s were large and immobile and in order to make use of information stored in any one computer, one had to either travel to the site of the computer or have magnetic computer tapes sent through the conventional postal system.

Another catalyst in the formation of the Internet was the heating up of the Cold War. The Soviet Union's launch of the Sputnik satellite spurred the U.S. Defense Department to consider ways information could still be disseminated even after a nuclear attack. This eventually led to the formation of the ARPANET (Advanced Research Projects Agency Network), the network that ultimately evolved into what we now know as the Internet. ARPANET was a great success but membership was limited to certain academic and research organizations who had contracts with the Defense Department. In response to this, other networks were created to provide information sharing.

January 1, 1983 is considered the official birthday of the Internet. Prior to this, the various computer networks did not have a standard way to communicate with each other. A new communications protocol was established called Transfer Control Protocol/Internetwork Protocol (TCP/IP). This allowed different kinds of computers on different networks to "talk" to each other. ARPANET and the Defense Data Network officially changed to the TCP/IP standard on January 1, 1983, hence the birth of the Internet. All networks could now be connected by a universal language.

The term “e-learning” has only been in existence since 1999 when the word was first utilized at a CBT systems seminar. Other words also began to spring up in search of an accurate description such as “online learning” and “virtual learning”. However, the principles behind e-learning have been well documented throughout history, and there is even evidence which suggests that early forms of e-learning existed as far back as the 19th century.

Long before the internet was launched, distance courses were being offered to provide students with education on particular subjects or skills. In the 1840′s Isaac Pitman taught his pupils shorthand via correspondence. This form of symbolic writing was designed to improve writing speed and was popular amongst secretaries, journalists, and other individuals who did a great deal of note taking or writing. Pitman, who was a qualified teacher, was sent completed assignments by mail and he would then send his students more work to be finished using the same system.

In 1924, the first testing machine was invented. This device allowed students to test themselves. Then, in 1954, BF Skinner, a Harvard Professor, invented the “teaching machine”, which enabled schools to administer programmed instruction to their students. It wasn’t until 1960 however that the first computer based training program was introduced to the world. This [computer-based training](https://www.talentlms.com/blog/computer-based-training-101/) program (or CBT program) was known as PLATO-Programmed Logic for Automated Teaching Operations. It was originally designed for students attending the University of Illinois, but ended up being used in schools throughout the area.

The first online learning systems were really only set up to deliver information to students but as we entered the 70s online learning started to become more interactive. In Britain, the Open University was keen to take advantage of e-learning. Their system of education has always been primarily focused on learning at a distance. In the past, course materials were delivered by post and correspondence with tutors was via mail. With the internet, the Open University began to offer a wider range of interactive educational experiences as well as faster correspondence with students via email etc.

With the introduction of the computer and internet in the late 20th century, e-learning tools and delivery methods expanded. The first MAC in the 1980′s enabled individuals to have computers in their homes, making it easier for them to learn about particular subjects and develop certain skill sets. Then, in the following decade, virtual learning environments began to truly thrive, with people gaining access to a wealth of online information and e-learning opportunities.

By the early 90s, several schools had been set up that delivered courses online only, making the most of the internet and bringing education to people who wouldn’t previously have been able to attend a college due to geographical or time constraints. Technological advancements also helped educational establishments reduce the costs of distance learning, a saving that would also be passed on to the students – helping bring education to a wider audience.

In the 2000′s, businesses began [using e-learning to train their employees](https://www.talentlms.com/solutions/employee-training-software). New and experienced workers alike now had the opportunity to improve upon their industry knowledge base and expand their skill sets. At home, individuals were granted access to programs that offered them the ability to earn online degrees and enrich their lives through expanded knowledge. ([www.Talentlms.com](http://www.Talentlms.com))

**2.2 THE ROLE OF INTERNET TECHNOLOGIES IN TEACHING LEARNING PROCESS**

**Making Students Independent in their Studies**

Using internet technologies students can decide about their own studies, learning time, place and resources in a better way. Students can work in more supportive environments, seek help from teachers and fellows, and share their learning experiences and ideas in romantic and productive fashion. Dede (1996, p. 4) stated that the development of high performance computing and communication is creating new media such as the www and virtual realities. In turn these new media enable new type of messages and experiences, such as interpersonal interactions in Immersive synthetic environments lead to the formation of virtual communities. The innovative kinds of pedagogy empowered by these emerging media and experiences promoted the opportunities of distance education and at present virtual education and eliminated the barriers of distance and time. New and innovative learning experiences would be enhanced and encouraged by these technologies, as by virtual communities, which exist by interactions across the globe through global network of computers round the clock.

The global sharing of experiences would make possible the group presentation form of instruction in distance education. Distance education encompasses and relies on the use of internet technologies to make learning more productive and more individualized, to give instruction a more scientific base and make it appropriate & more effective, learning more immediate and access to resources more equal. These remarkable aspects can expand the quality and quantity of instructional resources.

( Salisu Abdullahi, et al 2014)

**2.3 THE ROLE OF INTERNET TECHNOLOGIES IN RESTRUCTURING THE TEACHING LEARNING PROCESS**

Internet technologies can transform teaching and learning process by offering alternatives to the educators and students in providing latest information, access to virtually unlimited resources and opportunities for real world communication, collaboration and competition. The phases of this process as described by Mariam et al (1997, p. 34) are:

* Developing awareness – recognizing that something is wrong or different.
* Exploring alternative–researching for new ideas from other institutions and acknowledging that change is needed.
* Making a transition–leaving the old approaches behind (or dramatically changed).
* Achieving integration-putting the pieces from the transition phase back together.
* Taking action-putting new ideas into operation. ( Salisu Abdullahi, et al 2014).

**2.4 BENEFITS OF THE INTERNET IN THE FIELD OF EDUCATION**

Importance of internet in education to the students’ means that it makes easier for them to research things, and relearn the content taught in the school. People use it according to their needs and interests.

There are many benefits of the internet in the field of education. Some of these are:

**1. Cost Effective and Affordable Education**

One of the largest barriers to education is high cost. The Internet improves the quality of education, which is one of the pillars of sustainable development of a nation. It provides education through Videos (like youtube tutorial videos) and web tutorials which is affordable to everyone and cost-effective.

**2. Student – Teacher and Peer Interaction**

The internet has allowed students to be in constant touch with their teachers or with other fellow classmates with the help of social media, messaging apps and chat forums. Parents can interact as well as communicate with teachers and school authorities about their kid’s performance in the school. Interaction with the like minded people on forums can help students to explore new ideas and enrich their knowledge.

**3. Effective Teaching and Learning Tool**

The Internet has become a major tool for effective teaching as well as a learning tool. Teachers can use it as a teaching tool by posting their teaching materials (notes and videos) on school website or forum. The learning process becomes interesting and diverse with the use of tutorial videos and notes. Teachers can teach with the use of animation, powerpoint slides, and images to capture the students’ attention.

**4. Easy Access to Quality Education**

Students can easily access quality education materials like tutorial videos on youtube for free or pay fees online for more quality study materials. Teachers can also make use of the internet by proving the students with extra study material and resources such as interactive lessons, educational quiz as well as tutorials. Teachers can record their lectures and provide it to the students for revisions which is better than reading from notes.

**5. Interaction with Digital Media**

Regular use of digital media is one of the most basic parts of our lives. Digital bulletin boards save paper, allow displaying of videos and audios to attract the attention of students. Nowadays, there are many paid sites which provide education resources which are rich in quality and easily understandable to masses.

**6. Keeping you updated with Latest Information**

Information is the biggest advantage which the internet is offering. There is a huge amount of information available for every subject. It keeps us up to date with the latest information regarding the subjects in which we are interested.

**7. Learning with Multimedia**

It helps the students with the learning process as it helps to simplify the knowledge. Also, it helps to visualize what is being taught by the teachers in school. If you want [to prepare for final exams](http://www.theasianschool.net/blog/how-to-prepare-for-final-exams/), you can access Video Tutorials and other resources online through the Internet.

**2.5 USES OF INTERNET BY STUDENTS AND TEACHERS**

**Students**

Participate in a media revolution, profoundly affecting the way they think about and

**Use of internet technologies.**

* Improve the ways of learning in new learning fashions
* Extend the ability and skills of applying their learning in real situation.
* Working in groups for cooperative and collaborative learning.
* Developing self-learning habits at their own pace and time.
* Learn with the teacher rather by the teacher.
* Develop inquiry-learning habits.
* Use right information at right time to achieve right objective.
* Review and explore qualitative data.
* Exchange learning experiences and information with others students and teachers living anywhere in the world.
* Internet technologies facilitate students in their learning process through their active participation on one hand and help teachers on the other hand. ( Salisu Abdullahi, et al 2014)

**Teachers/Lecturers**

* Present the material in more interesting and attractive way.
* Guide and help students in searching the qualitative material.
* Make best use of time.
* Educate the students.
* Provide individualized instruction.
* Direct the students toward cooperative as well as collaborative learning activities.
* Prepare learning material for students, rather teaching in conventional situations.
* Diagnose the learning problem of students and help them to overcome.
* Solve the study problems of students.( Salisu Abdullahi, et al 2014).

**2.6 ADVANTAGES OF INTERNET IN EDUCATION**

**1**. **THE** **INTERNET** **PROMOTES** **OPPORTUNITIES**: Regardless of whether you’re a current student or not, education never seems to have an absolute end. There is always room for more learning as you utilize what you learned some years ago. And the internet is a huge source of information. You’ll always get new, existing, and historical information from online magazine, books, journals, research publications, websites, blogs, new sites. There are multiples disciplines and courses you can take online. You can pursue a masters in special education.

**2**. **VIRTUAL** **FIELD** **TRIPS**: As student, especially in college, academic field tips are an important learning tool. Thanks to internet student are nowadays able to take what is called virtual trips without having to leave the classroom. Addition to being awesome, virtual trips save time, effort, money. The tech is a huge advantage when utilized in the education sector.

**3**. **IMPROVE** **SOCIAL** **SKILLS**: Today, even newborns, let alone infants are on instagram, facebook, and twitter. And you might be surprised to find out that some of them are even more active than you. This aside, social media plays a huge role in the educator sector. In addition to improving people’s communication skills, it tends to foster togetherness, group work, and teamship, some of the most adorable qualities in education.

**4**. **JOB** **SEARCH**: who uses manual letters anymore when applying for a job? Okay, people do, but most of the job opportunities out there are communicated and applied online. And during their studies, students need to be abreast with the respective job markets of their specialization. They get updated through the internet. Additionally, the internet promotes recordkeeping, as well as education systems, which means that it’s easy to monitor the learner’s progress as well as to verify their claimed achievements.

**5**. **INFORMATION** **AND** **EDUCATION** **ONLINE**: information is the most significant advantage that the internet has to offer. The internet is a treasure trove of practical knowledge. Any kind of information on any subject or course is available on the internet. Search engines like Google and yahoo are on your service through the internet. One can use search engines, websites dedicated to various topics, and a large number of articles and papers avail forums on many sites allow people to discuss and share their ideals with other people. A huge amount of time is spent on the internet on every subject. With an information repository, people cannot only waste their time by visiting libraries and doing comprehensive research but also increasing their knowledge. With the internet, students can find their time to learn new things for their school projects and even topics they are interested in. online education has grown

**2.7 DISADVANTAGES OF INTERNET IN EDUCATION**

The internet also doesn’t come with unapplealing traits when it comes to education.

The following are ways internet affect education:

1. **LAZINESS**: it can promotes laziness among students in some cases, especially depending on the level of study. For instance, consider a student who’s given assignment and end up copying and pasting content from the internet. Most instructors would find such a move lazy, ignorant, and reckless. Compared to the past where getting information from physical libraries was much more involving, it can be safe to postulate that the internet could promote laziness in education.
2. **SPENDING** **MORE** **TIME** **ONLINE**: also, some students spend more time online. Students are more likely to neglect their studies. Students may lose focus on their studies as they spend too much time on the internet. Many cannot devote their time to their study and assignment, but they may spend time watching movies or chatting.
3. **CHEATING**: The internet archives the world’s knowledge. Student can find essays or test answers for any course imaginable. Knowing that the correct answers are readily available online can prove far too tempting for some student, which leads to academic fraud, plagiarism, and rampant cheating. Educators have taken steps to counter such practices. They have develop sites that checks essays and research papers against published content to detect pilfered materials. Determined students may attempt to circumvent such safeguards by using social media and message boards to share class information. This contributes to culture of cheating that didn’t exist on such a scale before the internet.

**CHAPTER THREE**

**3.1 SUMMARY**

The internet is the wider network that allows millions of computer networks around the world run by companies, governments, universities and other organizations to communicate with one another and to share resources. There are many benefits of internet in education. They include:

### Cost Effective and Affordable Education

### Student – Teacher and Peer Interaction

### Effective Teaching and Learning Tool

### Easy Access to Quality Education

### Interaction with Digital Media

### Keeping you updated with Latest Information

### Learning with Multimedia

#### It provides credibility for the teacher.

#### It provides access to numerous resources instantly.

#### It creates a collaborative learning approach.

#### It is an easy way to learn core vocational skills.

#### It allows the classroom to reflect modern times.

#### It can put all the needed data into one location.

#### It allows students to work at their own comfortable pace.

#### It provides an opportunity to learn different ways.

#### It can boost learning motivation.

#### It is more affordable to do than many people may realize.

**3.2 CONCLUSION**

The application of internet in Education is not a new phenomenon in promoting education in some parts of world. Presently, some institutions even in Nigeria are using it to promote distance education (DE) and life long learning. E-learning according to Sale (2002), is the use of electronic technology especially internet to deliver education and training applications, monitor learner’s performance and report learner’s progress. The survival of educational institutions in the 21st century will increasingly rely on various forms of electronic delivery and communication and availability of internet. E-learning is now widely used in most of the developed countries to promote distance education (DE) and life-long learning in an effective way.

* 1. **RECOMMENDATION**

As a result of this research a number of areas of potential interest for further study have come to light. These relate to:

1. Students and lecturers should be allowed to have free and easy access to internet facility which is already available in the campus.
2. It is recommended that internet and ICT gadgets like interactive whiteboards, handheld PDA’s and podcasting equipment should be used in lecture halls as it can improve the quality of education in many ways.
3. It opens doorways to a wealth of information, knowledge and educational resources, increasing opportunities for learning in and beyond classroom. Lecturers use online materials to prepare lessons, and students to extend their range of learning.
4. Lecturers should be allocated more time to integrate ICT gadgets and internet usage in their teaching.

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