

ADDIS ABABA UNIVERSITY

ADDIS ABABA INSTITUTE OF TECHNOLOGY

CENTER OF INFORMATION TECHNOLOGY AND SCIENTIFIC

COMPUTING

**Prepared By:** - Mr. Fitsum A.

February 2020

1. The brife history of the internet (the evolution)

The internet is the wider network that allows computer networks around the world run by companies, governments, universities and other organisations to talk to one another.The origins of the Internet date back nearly 50 years, with the U.S. military's funding of a research network called “Arpanet”

The plan for this computer network (to be called [ARPANET](http://en.wikipedia.org/wiki/ARPANET)) was presented in October 1967, and in December 1969 the first four-computer network was up and running. The major problem in creating a network was how to connect separate physical networks without tying up network resources for constant links. The technique that solved this problem is known as packet switching and it involves data requests being split into small chunks or packets which can be processed quickly without blocking communication from other parties this process is still used to run the Internet today.

These networks, despite having many connections, were more like private networks than the Internet of today.This rising of different networking protocols soon became a problem, when trying to get all the separate networks to communicate. There was a solution in sight however Robert Kahn, whilst working on a satellite packet network project for ARPA, started defining some rules for a more open networking architecture to replace the current protocol used in ARPANET. Later joined by Vinton Cerf from Stanford University, the two created a system that masked the differences between networking protocols using a new standard. In the publication of the draft specification in December 1974, this was called the Internet Transmission Control Program.

This specification reduced the role of the network and moved the responsibility of maintaining transmission integrity to the host computer. The result was that it became possible to easily join almost all networks together. ARPA funded development of the software, and in 1977 a successful demonstration of three different networks communicating was conducted. By 1981, the specification was finalised, published and adopted; and in 1982 the ARPANET connections outside of the US were converted to use the new TCP/IP protocol.Then The Internet as we know it had arrived.

3.List 5 website each on the 12 categories you learned

Despite the sheer quantity of websites in the world today, no two are truly the same. There are many different types of websites, with each serving a different purpose, donning a different design, and coming with varying design cost.

Ingeneral websites can be classifisd in to 12 catagories I.e Portal, News, Informational,  Business/ Marketing, Educational, Entertainment, Advocacy, **Blog**, Wiki,  Social Network, Content Aggregator, Personal

1. Portal

Portals are primarily used for internal purposes within businesses, schools, or institutions. These websites often involve a login process, allowing students to access the school website, or granting employees access to their emails, alerts, and files all in one place.

1. News

The primary purpose of a news website is to keep its readers up to date on current affairs

### [Yahoo! News](https://news.yahoo.com/" \t "https://www.techworm.net/2018/12/_blank) -The website offers news related to almost every section, such as sports, finance, politics, and entertainment.

<https://news.yahoo.com/>

### [CNN](https://edition.cnn.com/" \t "https://www.techworm.net/2018/12/_blank)

It is one of the fastest growing online news portals on the planet. The fanbase is so huge that the website also has its own App on the “[AppStore](https://itunes.apple.com/us/app/cnn-breaking-us-world-news/id331786748?mt=8" \t "https://www.techworm.net/2018/12/_blank)” and “[Play store](https://play.google.com/store/apps/details?id=com.cnn.mobile.android.phone&hl=en_IN" \t "https://www.techworm.net/2018/12/_blank)“.

<https://edition.cnn.com/>

### [New York Times](https://www.nytimes.com/" \t "https://www.techworm.net/2018/12/_blank)

It’s an American based newspaper from new york city. Due to its high popularity, as we already mentioned earlier the website receives the love of nearly 70 million unique visitors every month.

<https://www.nytimes.com/>

### [Fox News](https://www.foxnews.com/" \t "https://www.techworm.net/2018/12/_blank)

It is based on United States TV news channel owned by “Fox Entertainment Group”. The combination of blue and white colors on the website appeals to a lot of people.

<https://www.foxnews.com/>

### [NBC News](https://www.nbcnews.com/" \t "https://www.techworm.net/2018/12/_blank)

It’s an American based broadcasting television network NBC, formerly known as the National Broadcasting Company.

<https://www.nbcnews.com/>

1. Informational
2. Business/ Marketing

You may not sell directly through a corporate website, but you can use these sites to provide information about your business, and to let potential clients or customers know how they can get in touch with you.

**[Bloomberg Business](http://www.bloomberg.com/" \t "https://www.allbusiness.com/_blank)**

*Bloomberg* *Business* provides up-to-the-minute U.S. and international news on financial markets, commodities, currencies, company earnings, technology, and more. The site has numerous articles, feature stories, and videos.

<https://www.bloomberg.com/africa>

**[Business Insider](http://www.businessinsider.com/" \t "https://www.allbusiness.com/_blank)**

*Business Insider* is a business news site that certainly knows how to grab the reader’s attention with its catchy headlines. The articles and videos cover the markets, technology, companies, personal finance, venture capital, investing, start-ups as well as more commercial stories on culture and entertainment.

<https://www.pulselive.co.ke/bi?r=US&IR=T>

**[Financial Times](http://www.ft.com/" \t "https://www.allbusiness.com/_blank)**

*The Financial Times* is a print and digital publisher based in London covering the world economy and markets. The site has particularly strong coverage of European companies and markets providing feature stories, analyses, and data insights.

<https://www.ft.com/>

**[Forbes](http://www.forbes.com/forbes/welcome/" \t "https://www.allbusiness.com/_blank)**

Forbes has great and comprehensive content across every business category: the stock market, entrepreneurship, personal finance, M&A, technology, careers, and more. It contains many popular lists, including “The World’s Billionaires” and the “Most Valuable Brands.”

<https://www.forbes.com/home_usa/>

**[Fortune](http://fortune.com/" \t "https://www.allbusiness.com/_blank)**

*Fortune* provides extensive coverage of the financial markets, especially larger companies that make up the “Fortune 500.” Topic categories include careers, entrepreneurs, finance, sports, technology, markets, most powerful women, and energy and the environment.

<https://fortune.com/>

1. Educational

Educational websites are also quite self explanatory. These websites are designed to display information on certain topics, either using interactive games or engaging designs to keep the user hooked.

### **EdX: edx.org**

### This website can be most preferred by the students as it was founded by Harvard University and MIT in 2012. EdX is an online learning destination and MOOC provider, offering high-quality courses from the world's best universities and institutions to learners everywhere. Out of the 90 universities, it includes top global rankers.

### **Academic Earth: academicearth.org**

The website gives huge array of academic options to student from traditional to contemporary studies. They provide online degree courses from accounting and economics to engineering and also carries material on niche subjects like behavioural psychology.

### **Internet Archive: archive.org**

internet archive is an authentic website storing the originals from various big websites. For example, American libraries include the collection of free book directly attached with the college libraries' websites. This is one of the best websites imparting free and accessible knowledge. However, it does not give admission or certificates for learning.

### **Big Think: bigthink.com**

Big Think has over 2,000 fellows who have received great fame in their forte. These experts write articles and record tutorials for the students, later the content is further refined by the editorial team of the website, giving authentic material to the students. Students can make great use of this website by creating their own distinct ideology, as it provide various opinions on one subject. Moreover, students can get views from experts as well

### **Coursera: courser.org**

1. Entertainment
2. Advocacy

Advocacy website is aimed at influencing public policies, social attitudes, or political processes.

* World Advocacy [http://www.worldadvocacy.com](http://www.worldadvocacy.com/)
* Greenpeace [http://www.greenpeace.org](http://www.greenpeace.org/)
* Sierra Club [http://www.sierraclub.org](http://www.sierraclub.org/)
* Environmental Defense Action Fund [http:/www.undoit.org](http://www.undoit.org/)
* Natural Resources Defense Council [http://www.nrdcwildplaces.org](http://www.nrdcwildplaces.org/)
* Jane Goodall Institute [http://www.janegoodall.org](http://www.janegoodall.org/)

1. **Blog**

they’re online journals or informational pages that are regularly updated.

Typically managed by an individual or a small group, a blog can cover any topic – whether it’s travel tips, financial advice, or doughnut reviews

1. Wiki

A wiki website allows people to collaborate online and write content together. The most popular example is Wikipedia itself, which allows anyone to amend, add to, and assess the content of each article.

1. Social Network

These sites are usually created to let people share thoughts, images or ideas, or simply connect with other people in relation to a certain topic. Social media sites are also increasingly becoming the go-to destination for people to read up on the news.

1. Content Aggregator

Content aggregator websites don’t produce their own content. Instead, they collect content from other websites around the Internet and “aggregate” it into one easy-to-find location.

### **1. Alltop**

### **2. Popurls**

### **3. The Web List**

### **4. WP News Desk**

### **5. Blog Engage**

1. Personal

 these types of websites are used to display and promote examples of previous work. Primarily used by those in the creative industry, a personal website can be used like a CV, demonstrating your skills in order to impress clients, customers, or future employers.