**ADDIS ABABA UNIVERSITY**

**INSTITUTE OF TECHNOLOGY CENTER OF EXCELLENCE**

**ITSE - 2192**

**WEB DESIGN AND DEVELOPMENT**

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1. **History of the internet**

The internet is a tool we use throughout our day. It was created in order to facilitate faster and better communication flow between two entities. The first recorded description of the social interactions that could be enabled through networking was a series of memos written by J.C.R. Licklider of MIT in August 1962 discussing his “Galactic Network” concept. He envisioned a globally interconnected set of computers through which everyone could quickly access data and programs from any site. In spirit, the concept was very much like the Internet of today. Licklider was the first head of the computer research program at DARPA,[4](https://www.internetsociety.org/internet/what-internet/history-internet/brief-history-internet) starting in October 1962. While at DARPA he convinced his successors at DARPA, Ivan Sutherland, Bob Taylor, and MIT researcher Lawrence G. Roberts, of the importance of this networking concept.Leonard Kleinrock at MIT published the first paper on packet switching theory in July 1961 and the first book on the subject in 1964. Kleinrock convinced Roberts of the theoretical feasibility of communications using packets rather than circuits, which was a major step along the path towards computer networking. The other key step was to make the computers talk together. To explore this, in 1965 working with Thomas Merrill, Roberts connected the TX-2 computer in Mass. to the Q-32 in California with a low speed dial-up telephone line creating the first (however small) wide-area computer network ever built. The result of this experiment was the realization that the time-shared computers could work well together, running programs and retrieving data as necessary on the remote machine, but that the circuit switched telephone system was totally inadequate for the job. Kleinrock’s conviction of the need for packet switching was confirmed.

1. **Top 10 websites**
2. **Websites by category** 
   1. Portal,
   2. News,
   3. Informational,
   4. Business/ Marketing,
   5. Educational,
   6. Entertainment,
   7. Advocacy,
   8. Blog,
   9. Wiki,
   10. Social Network,
   11. Content Aggregator,
   12. Personal
3. **Guidelines for evaluating a website**