

ADDIS ABABA INSTITUTE OF TECHNOLOGY

FUNDAMENTAL OF WEB DESIGN AND DEVELOPMENT

ITSE-2192

DEPARTMENT OF SOFTWARE ENGINEERING

**Introduction to Web and WWW based Assignment**

Prepared by: Semere Habtu

ATR/2583/11

Submitted to: Mr. Fitsum Alemu

Themes

1. The History of the Internet (The Evolution)
2. View the 5-10 popular websites of your choice from Web archive URL and put your observation and assessment.
3. List 5 website each on the 12 categories you learned and observe them in different years in web archives.
4. What are the guidelines for evaluating the value of a website? Try to evaluate 2-5 websites based on the guideline and put your judgment.

# The History of the Internet

## Introduction

The evolution of the internet revolves around four distinct aspects. There is the technological evolution that began with early research on packet switching, the ARPANET, other related technologies, and the yet expanding substructure such as scale, efficiency, and integrated functionalities. There is the operations and management aspect of a wholesome and sophisticated substructure. There is the social aspect which resulted in an ever-broadening community coevolving with the technology. And there is the commercialization aspect, resulting in a very successful transition of research into a broadly applicable and available information infrastructure.

This paper discusses the landmarks in the history of the internet, how it evolved from the Advanced Research Projects Agency (ARPA) in 1957, its formative years (1957-1984) until nowadays; from the early internet devised and implemented in American research units, universities, and telecommunication companies that had vision and internet in cutting-edge research until a global phenomenon. Then to the entry of the internet into the commercial phase (1984-1989), facilitated by the upgrading backbone links, the writing of new software programs and the rapidly increasing number of interconnected international and intercontinental networks; the massive expansion of the internet into a global network; the instant and growing success of social networking – sites that enable Net users to share information, photos, private journals, hobbies and personal as well as commercial interests with networks of mutual friends and colleagues.

## The Formative Years