Course : **INTERNET TECHNOLOGY AND WEB DESIGN**

Module : **Introduction to Internet**

TABLE OF CONTENT
UNIT NUMBER   **1/11**

E-Content of
INTERNET TECHNOLOGY AND WEB DESIGN

Syllabus

E-Content of
INTERNET TECHNOLOGY AND WEB DESIGN

Chapter: 1.1 Objectives

Objectives

- At the end of this course, the user will be able to
  - ➢ understand what is Internet.
  - ➢ known about the anatomy of internet.
  - ➢ understand about Net etiquette.
  - ➢ known about the applications of internet

Chapter: 1.2 Introduction to Internet

Topic: 1.2.1 Internet

Internet

- The Internet is a global system of interrelated computer networks that use the standard Internet Protocol suite (TCP/IP) to serve billions of users worldwide.

- The primary purpose of the internet is sharing of information and communicating with remote PC's.

- The largest network of networks in the world, joining many government, university and private computers together and providing an infrastructure for the use of E-mail, bulletin boards, file archives, hypertext documents, database and other computational resources.

- The Internet has extremely changed nearly every aspect of life by revolutionizing how individuals and business,
  - ➢ Access information and electronic files,
  - ➢ Communication personally and professionally,
  - ➢ Shop for products and services,
  - ➢ Share resource.

FIG 1.1: Internet

Chapter: 1.2 Introduction to Internet

Topic: 1.2.2 ARPANET and Internet history of the World Wide Web

ARPANET and Internet history of the World Wide Web

- **Origins in ARPANET**
  - ➤ ARPA (Advances Research Project Agency) started an experimental Computer Network in January 2, 1969.

- **Growth and Development of ARPANET**
  - ➤ In 1971, Ray Tomlinson developed e-mail and ARPANET includes more than 20 sites including Harvard.
  - ➤ Vinton Cerf and Robert Kahn developed standard or protocol for communications over a network TCP and IP in 1972.
  - ➤ In 1981, the ARPANET linked 200 sites.

- ARPANET eventually lost its reason to survive as other special-internet networks took its place.

- In 1990, ARPANET was eliminated, leaving behind a legacy of networks that evolved into the internet.

- **The Beginnings and Rise of the Web**
  - ➤ In 1991, Tim Berners-Lee created HyperText Markup Language (HTML), Hypertext Transfer Protocol (HTTP), first Web browser and Web server.
  - ➤ In 1993, Marc Andreessen and Eric Bina developed MOSAIC browser.
  - ➤ In1994, Marc Andreessen and Jim Clark founded Netscape Communication and Netscape Navigator browser.