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WEB DESIGNING AND PROGRAMMING

(B.Sc. (IT) First Year : Second Semester)

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SECOND EDITION



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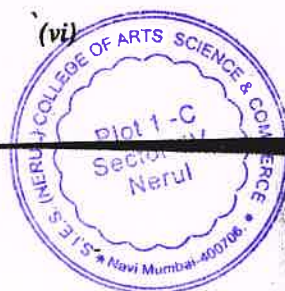



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1.1 INTRODUCTION TO INTERNET AND ITS APPLICATIONS:

The evolution of internet began with the development of the Advanced Research Projects Agency Network (ARPANET) which was funded by the United States Department of Defense for use by its projects at universities and research laboratories .In 1982, the Internet protocol suite (TCP/IP) was standardized and the concept of a world-wide network of fully interconnected computers called the Internet was introduced. By the early 1990, the concept of commercial Internet took shape.

The Internet thus became a global system of interconnected computer systems using the standard Internet protocol suite to serve billions of users worldwide. It can be defined as the network of networks that connects millions of private, public, academic, business, and government networks spread all across the world using electronic, wireless and optical networking technologies. The Internet carries an extensive range of information resources such as the inter-linked hypertext documents of the World Wide Web (WWW).A user on the internet can browse through millions of such documents stored on computers around the world. The internet also offers services like electronic mail and the FTP (file transfer protocol) for downloading textual files and multimedia files from servers all over the world.

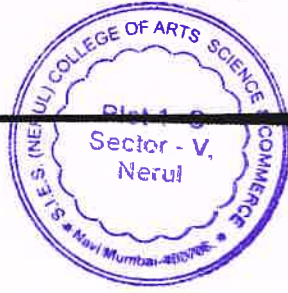
Commercialization of internet has had a revolutionary impact on culture and commerce .With the birth of electronic mail, instant messaging, Voice over Internet Protocol (VoIP) phone calls, video conferencing etc, the internet has revolutionized the way people communicate with each other. Communication thus became cheap, instant and effective. The World Wide Web with web sites, discussion forums, blogs, social networking has brought people and cultures close to each other.

Many small businesses are going global with the evolution of E-commerce and E-Business .The internet has become one big market place with millions of people buying and selling goods, commodities and services online. Millions of People world wide now use the internet for conducting business, shopping, booking of train, air and bus tickets, stock market trading etc.

Some of the common applications of internet are

- E-mail
- Telnet
- FTP
- E-commerce
- video conferencing
- E-business

This chapter explores the above applications of internet in detail.



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