

1 CYBERSPACE :

- Cyberspace may be defined as the indefinite place where individuals transact & communicate.
- Coined by William Gibson (science fiction writer) in 1984.
- It can refered as global medium which is the place b/w places.
- Telephonic conversations, audio, video, data entries = Communications + mail, mass media = Internet = Cyberspace.
- Internet increased the physicality of virtual world.

1 A Brief history of Internet

- There was no internet accompanying the intro of 1st computer.
- During Cold war America in 1960s, Govt officials focused on developing electronic & mass comm communication systems.
- So its beginning was a project of Advanced Research Project Agency Network (ARPA Net) sponsored in 1969 by dept of defense - formed a computer network to overcome threats from a blackout commⁿ - used by engineer computer experts, researchers connected to 4 universities.
- Method of commⁿ required users to ^{put} suggestions in papers titled 'Requests for Comments' (RFC) & await responses/ amendments to their documents.
- 1st RFC - on April 7, 1969: closest thing to 'start date' for internet.
- ARPA Net opened to non military users in 1970s.
- International connections (outside USA) started in 1972.
- Just for computers to talk each other & for research into networking.

Mid 1980s: National Science Foundation Net (NSF Net) established under NSF → expanded the Internet & supported by Govt.

It leads to develop online & offline Computer Communication & to create a myriad soft ware ^{UNIX OS} ^{World Wide Web} ^{distributed information} Mosaic Interface (multimedia), Eudora (email system), Gopher (information retrieval tool), Pine (email), U-see me (video conference)

1980s: Commercial Internet exchange (CIX) had emerged → small network expanded to today's so called Internet.

1984 - 'domain names' eg: www.microsoft.com

1989 - Hypertext Transfer Protocol (HTTP) by Tim Berners
He created web to communication b/w scientist. It is used to distribute collection of hyperlinked pages of information called World wide web over Internet.

1993: Graphics were introduced with a browser called

^{using} NCSA Mosaic. Microsoft & Netscape is based on this

1993: Internet Service Provider (ISP): graphical interface ^{online} opened up the Internet to users by their computer & modem to ring up ISP.

1970 - ARPA Net

1972 - International Connections.

1980 - NSF net

1980s - CIX

1984 - World wide web

1989 - HTTP

1993 - NCSA Mosaic or ISP