

A computer network is a set of computers sharing resources located on or provided by network nodes. Computers use common communication protocols over digital interconnections to communicate with each other. These interconnections are made up of telecommunication network technologies based on physically wired, optical, and wireless radio-frequency methods that may be arranged in a variety of network topologies.

The nodes of a computer network can include personal computers, servers, networking hardware, or other specialized or general-purpose hosts. They are identified by network addresses and may have hostnames. Hostnames serve as memorable labels for the nodes and are rarely changed after initial assignment. Network addresses serve for locating and identifying the nodes by communication protocols such as the Internet Protocol.



B. Kavipriya
P. Dhineshkumar

Computer Networks

Edition I

Mrs.B.KAVIPRIYA MCA., M.Phil., Assistant Professor,
Department of Computer Science,
Vidyaa Vikas College of Arts and Science, Tiruchengode, Tamilnadu.
Mr.P.DHINESHKUMAR M.Sc., M.Phil., B.Ed., (Ph.D.),
Assistant Professor,
Department of Computer Science,
Excel College for Commerce and Science, Komarapalayam, Namakkal Dt,
Tamilnadu, South India.



B. Kavipriya, P. Dhineshkumar



R. Vimal
Dr. R. VIMAL NISHANT, M.Com., M.Phil., Ph.D.,
PRINCIPAL
Excel College for Commerce and Science
Komarapalayam

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R. Vimal
Dr. R. VIMAL NISHANT, M.Com., M.Phil., Ph.D.,
PRINCIPAL
Excel College for Commerce and Science
Komarapalayam-637 303.