Bachelor of Business Administration
B.B.A (ITM) Semester-IV

Course Code	UM04DBBI76	Title of the Course	Internet Technologies
Total Credits of the Course	03	Hours per Week	03

Course Objectives:	This course presents basic networking technology and terminology, including the ISO/OSI Network Reference Model, IP addressing and name resolution, and other concepts and information relevant to setting up and using TCP/IP-based networks. Identify protocols and standards in the Internet. Describe the TCP/IP protocol suite, subnetting and supernetting and Internet addressing.

Course Content		
Unit	Description	Weightage*(%)
1.	**Fundamentals of Information Technology** Internet History, Timeline, Standards, Standards Organizations, Protocol Documents, Protocol Suit & Their Functions, Different Protocol under TCP/IP	25%
2.	**IP Addressing** IP Addressing Scheme, Subnetting, IP Overview, IP Header	25%
3.	**Beyond IP Layer** ICMP And Ping, UDP Header, TCP Header, Three Way Handshake, Port Numbers, TCP Services, TCP/IP Command Line Utilities	25%
4.	**TCP/IP Enabled Services** FTP Service, TELNET Service, ARP Service, DHCP Service, DNS Service, WINS Service	25%

Teaching-Learning Methodology	Lectures covering the theoretical part using classroom discussion, PowerPoint presentations

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / MCQ (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quiz, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Define fundamental concepts of TCP/IP architecture and protocols, with emphasis on the network layer, transport layer, and application layer of the suite.
2.	Describe the applications of TCP/IP to the Internet.
3.	Understand how the Internet works today.

Suggested References:	
Sr. No.	References
1.	B. A. Forouzan, "Data Communications and Networking", 2nd Ed., TMH
2.	Behrouz A Forouzan, "TCP/IP Protocol Suite"
3.	Matt Naugle, "Illustrated TCPIP: A Graphic Guide"
On-line resources to be used if available as references material:	
On-line resources:	
https://www.ibm.com/docs/en/aix/7.1?topic=protocol-tcpip-protocols https://www.techtarget.com/searchnetworking/definition/TCP-IP	

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