No	Information of IT 41032	
1	Unit name:	Advanced Computer Network
2	Code:	IT 41032
3	Classification:	Engineering subject
4	Credit value:	3
5	Semester/ Year Offered:	1/IV
6	Pre-requisite:	IT 21012 Computer Communication
7	Mode of delivery:	Lecture, Practical
8	Assessment system and breakdown of marks: Tutorial: Practical:	10% 30%
	Mid-term/ Final Examination	60%
9	Academic staff teaching unit:	Department of IT Engineering
10	Course outcomes of unit: After completion of this course, students will be able 1. To memorize the services of the transport layer 2. To recognize the features of transport layer protocols: UDP, TCP and SCTP 3. To apply how Client-Server program use the services of the transport layer 4. To apply the configuration of Client-Server application program	
11	Synopsis of unit: The course introduces the fastest growing technology, data communications and networking. The course introduces multiplexing and spreading, Transmission media, switching networks, using telephone and cable networks for data transmission, error detection and correction, data link control and multiple accesses. Several features of this text are designed to make it particularly easy for students to understand data communication and networking. There are review questions, exercises and research activities at the end of all chapters to enhance the book's usefulness in the classroom.	
12	Topic: **23. Introduction to Transport Layer** ✓ Introduction ✓ Transport layer protocols	

	24. Transport Layer Protocols
	✓ Introduction
	✓ User Datagram Protocol
	✓ Transmission Control Protocol
	✓ User Datagram Protocol
	✓ Transmission Control Protocol
	25. Introduction to Application Layer
	✓ Introduction
	✓ Client-server programming
	✓ Iterative programming in C
	✓ Iterative programming in Java
	26. Standard client-server protocol
	✓ World Wide Web and HTTP
	✓ FTP
	✓ Electronic Mail
	✓ Domain Name System
	27. Network Management
	✓ Introduction
	✓ SNMP
	✓ ASN.1
14	Main references: Behrouz A.Forouzan, Data Communication and Networking, (5th Edition), 2007.
15	Additional references: Behrouz A.Forouzan, Data Communication and Networking, (5th Edition), 2007.

Daw Khin Phyoe Wai

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