

DEPARTMENT OF CSE- DATA SCIENCE
COURSE MODULE FOR THE SESSION 2023-2024 (ODD SEM)

Course Syllabi with CO's

Textbook 2. Ch 2.1 to

Computer-Networks- Andrew S. Tanenbaum and David J. Wetherall, Pearson Education, 5th Edition



(www.pearsonhighered.com/tanenbaum)

2. Computer Networking A Top-Down Approach -James F. Kurose and Keith W. Ross Pearson Education 7th Edition.

List of Reference Books

1. Behrouz A Forouzan, Data and Communications and Networking, Fifth Edition, McGraw Hill, Indian Edition
2. Larry L Peterson and Brusce S Davie, Computer Networks, fifth edition, ELSEVIER

List of URLs, Text Books, Notes, Multimedia Content, etc

1. <https://www.digimat.in/nptel/courses/video/106105183/L01.html>
2. <http://www.digimat.in/nptel/courses/video/106105081/L25.html>
3. <https://nptel.ac.in/courses/106105081>
4. VTU e-Shikshana Program

Course Outcomes (CO's)	At the end of the course the student will be able to: CO 1. Learn the basic needs of communication system. CO 2. Interpret the communication challenges and its solution. CO 3. Identify and organize the communication system network components CO 4. Design communication networks for user requirements.
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Assessment Details (both CIE and SEE): The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%. The minimum passing mark for the CIE is 40% of the maximum marks (20 marks). A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course if the student secures not less than 35% (18 Marks out of 50) in the semester-end examination (SEE), and a minimum of 40% (40 marks out of 100) in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together Continuous Internal Evaluation: Three Unit Tests each of 20 Marks (duration 01 hour) 1. First test at the end of 5th week of the semester 2. Second test at the end of the 10th week of the semester 3. Third test at the end of the 15th week of the semester Two assignments each of 10 Marks 4. First assignment at the end of 4th week of the semester 5. Second assignment at the end of 9th week of the semester Practical Sessions need to be assessed by appropriate rubrics and viva-voce method. This will contribute to 20 marks.

- Rubrics for each Experiment taken average for all Lab components – 15 Marks.
- Viva-Voce – 5 Marks (more emphasized on demonstration topics)

The sum of three tests, two assignments, and practical sessions will be out of 100 marks and will be scaled down to 50 marks (to have a less stressed CIE, the portion of the syllabus should not be common /repeated for any of the methods of the CIE. Each method of CIE should have a different syllabus portion of the course). CIE methods /question paper has to be designed to attain the different levels of Bloom's taxonomy as per the outcome defined for the course.

The Correlation of Course Outcomes (CO's) and Program Outcomes (PO's)

Subject Code:	TITLE: Computer Networks											
List of Course Outcomes	Program Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO-1	2	-	-	-		-	-	-	-	-	-	-
CO-2	2	2	3	-	3	-	-	-	-	-	-	2
CO-3	2	2	2	-	3	-	-	-	-	-	-	-
CO-4	2	2	2	-	3	-	-	-	-	-	-	2

Note: 3 = Strong Contribution 2 = Average Contribution 1 = Weak Contribution - = No Contribution



The Correlation of Course Outcomes (CO's) and Program Specific Outcomes (PSO's)

Subject Code:	21CS52	TITLE: Computer Networks
List of Course Outcomes	Program Specific Outcomes	
	PSO1	PSO2
CO-1	-	2
CO-2	-	2
CO-3	-	2
CO-4	-	2