

SWARNANDHRA

COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)
Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by NAAC with "A" Grade – 3.32 CGPA Recognized under 2(f) & 12(B) of UGC Act 1956.
Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

DEPARTMENT OF INFORMATION TECHNOLOGY **TEACHING PLAN**

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencen ent of Semester	
20IT5L01	Network Programming Lab	V	IT	3 Periods	2024-25	05-06-2024	
COURSE OU	UTCOMES						
1	Apply the basics of Physical layer in real time applications.						
2	Apply data link layer concepts, design issues, and protocols.						
3	Apply Network layer routing protocols and IP addressing.					5	
4	Implement the functions of Application layer and Presentation layer paradigms and Protocol						
Experiment Number	Experiment					Contact Hours	
1	Implement the data link layer framing methods such as character stuffing and bit stuffing.					3	
2	Implement on a data set of characters the three CRC polynomials -CRC 12, CRC 16 and CRC CCIP.					3	
3	To write a C program to develop a DNS client server to resolve the given hostname.					3	
4	Write a program to implementation client server application in UDP.					3	
5	Take an example subnovement of the Now obtain Routing takes algorithm.	3					
6	Programs using Raw sockets (like packet capturing and filtering)					3	
7	Programs using TCP Sockets (like echo server & amp; client)					3	
8 .	Write a C program to perform sliding window protocols					3	
9	To simulate the Open Shortest Path First routing protocol based on the cost assigned to the path.					3	
10	Implement dijkstra's a	3					
11	Simulate the implementing Routing protocols using border gateway protocol(BGP)					3	



12

Faculty

Module (Programm OGY

ccredited by JGC Act 1956 Kakinada esh)



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12	Design TCP client	Design TCP client server application to reverse the given input sentence				
CUMULATIVE PROPOSED PERIODS						
		Name	Signature with Date			
Faculty		Ms. U Jenny Grace	v. Å			
Module Coordinator		Mr. Ch. R.K. Raju	doy	5/6/9		
Programme Coordinator		Dr. RVVSV Prasad	Du	strhy 2000		

5/6/24

Principal

Date of ommencem ent of Semester 5-06-2024

Protocols.

Contact Hours

Hours

3

3

3

3

3

3

3

3

3

3