

Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

Cl	-	AY: 2024-25	25	
Class:	TE	Semester:	V	materia servi
Course Code:	(SCSOL	responses to the second	- 15 m and 1 m (1 m) - 1 m (1 m) replaced a state of the state problem allowable problems and the state of th	***
Code:	(30)01	Course Name:	CN	

Name of Student:	C :	
Roll No. :	Sainath Khot	
	20	And the second s
Assignment No.:	/(
Title of Assignment:	9	
Date of Submission:	TCP Layer 4 Protocol	The state of the s
Date of Correction:		

Evaluation

Performance Indicator	Max. Marks	Marks Obtained
Completeness	5	Walks Obtained
Demonstrated Knowledge		04
Legibility	3	02
Bounty	2	
Total	10	02
	10	ව 🖓

Performance Indicator	Exceed Expense		
Completeness	Exceed Expectations (EE)	Meet Expectations (ME)	Relow P.
Demonstrated	3	3-4	Below Expectations (BE)
Knowledge Legibility	3		1-2
Legibility		2	1
	2	1	
		•	0

Checked by

Name of Faculty

: Miss Sneha Yadau

Signature

Date



(N Assignment " DI I'm a red dine missayy application implement Sliding window protocol to manage message delining between elients & ensure the way missage are delined in order and the no of menage are last Sliding window protocol is a method used in network communication to even that data is delined reliably in the correct order and mittant loss, it manager the flow of missager between a sender La ruien by maistains bituers a Sender & a missage can be sent before Suding an arknowled goment. Window Size - Du window represent a Sequence of message frame that can be sent without waiting for asknowledgment. If window size is N, the sender can sind upto N missage at a time. Message siquere runter - Each missage is assigned a siquery punter. This monture helps the recei identify the order of missage & dutat any missing mussage Acknowledgement - After realing a mosage the receive sends on orknowledgement back to the sende indicating message has bun received Ritransvission: - If an acknowledgment is not received for a message, within a certain purdied The sorder will restransuit the message

flow control - he Eliding mindow also handles flow control, ensuing that senter don't overlikely receiver with too many mussages. Working of Sliding window Protocol in Red Some mussaging. Sender Slide: - Sender maintains a window of N, it can sud N missages without waiting for an adenoul odginent. - Early missings is Jagged with a sequence rumber. - After sinding each museuge the sconder starts a time for each mysage the sender Starts a vait. - If he inve enpire without receiving on orknowledgement de sender nestransit de munig. Ruins Side - The recting the begune number of each inquing minage - If the musage are in order, the receive sant an acknowled general. If a missage is out of order, it may either cuffer the missing I unit for the missing missage, are request a retransmission from the sendo

FOR EDUCATIONAL USE

Below is an knowlind dump of on UDP 12 el a7 00 00 00 20 74 90 00 ff 00 00 00 01 datagram agpland. 00 00 00 00 06 69 73 81 79 61 70 00 00 01 60 01 i) what is source part number? ii) what is total length of use datagram?

iv) what is total length or data? 2) 25 partet directed from client to server or wice wise Following is the UPP data grave structure =) 1) Source port number = (FZPI)14 2) Distination prot number = (000p)10) Tital ligh of me uses datagram - (0000)16 = (32), bytiz a) Total length of data = Total length - hender length = 24 byjn FOR EDUCATIONAL USE **Sundaram**

6 byter UPP dalagian Hordn Data 11 hyle) 16 hyle) Distindin Downe part chuksun lengs + 32 bids 749E E2 AT 0020 UDP header 0000 - Chuksim) Length -> Dust part 1. > Source part no

Sundaram

FOR EDUCATIONAL USE