



SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR-03

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NETWORK PROGRAMMING LAB (7CSL01)

Program No.		Date:		
Student Name:		USN:		Batch No:
Evaluation:				
Observation writing and File maintenance (10 Marks)	Clarity in concepts (05 Marks)	Implementation and execution of the program (10 Marks)	Viva (10 Marks)	Total (35 Marks)
Sl.No	Name of the Faculty In-Charge			Signature
1.				
2.				

Question No. 7

Write a program to implement sliding window protocol between two hosts.

Pre-requisite

In TCP, flow control is established by Sliding window Protocol. When there is huge flow of data from sender to receiver and receiver cannot accept all the data then receiver window shrinks to avoid loss of data.

Sender Window (Client) :

1. Establish connection with server.
2. Read message from stdin.
3. Send frames equivalent to sender window size.
4. Wait for acknowledgement from Receiving window(server).
5. send unacknowledged packet again until whole message is sent.
6. send "exit" message at last.
7. Terminate the connection.

Receiver Window (Server):

1. Establish connection with client.
2. Accept frame coming from client in receiving window.
3. send acknowledgment for frames which are received successfully.
4. Repeat the process until "exit" message is received from client.
6. Terminate the connection.