

# CS349 ASSIGNMENT NUMBER - 4

Application Number – 2

Group Number – 44

Group Members - **Saurabh kumar (170123045)**

- **Rupam sahu (170123041)**

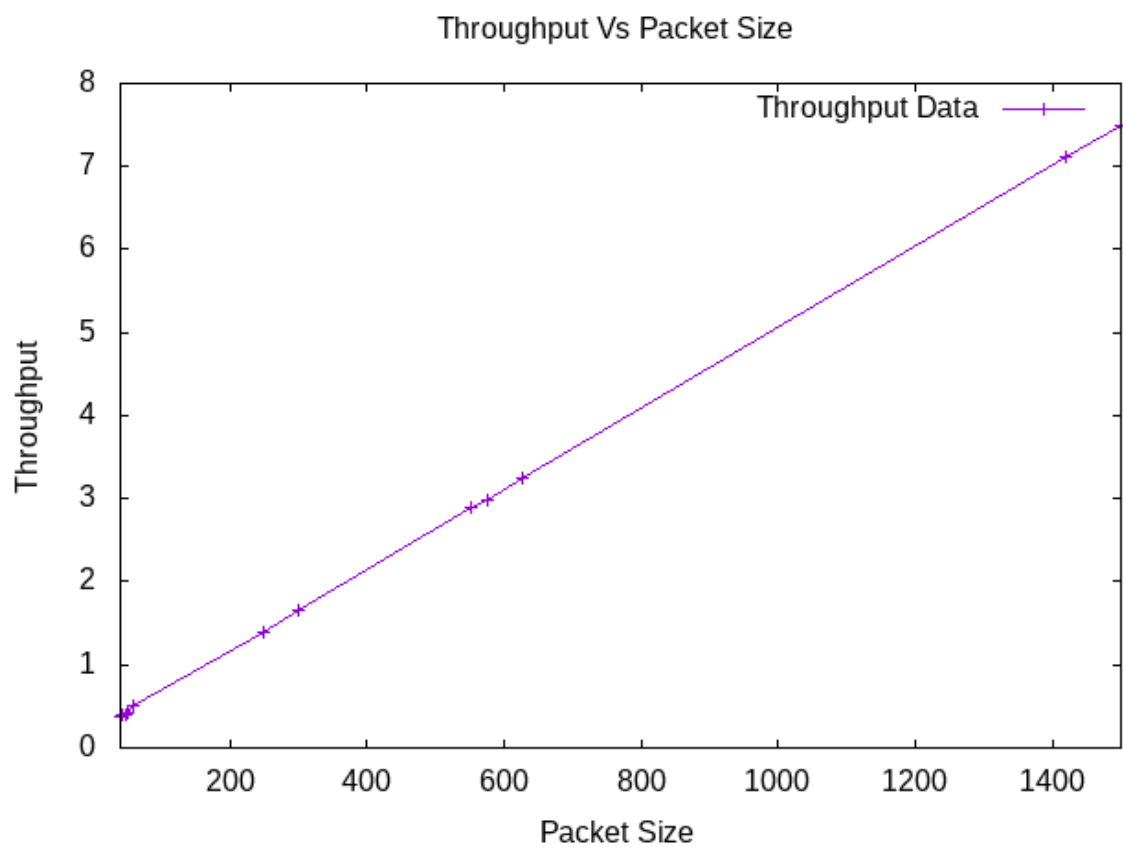
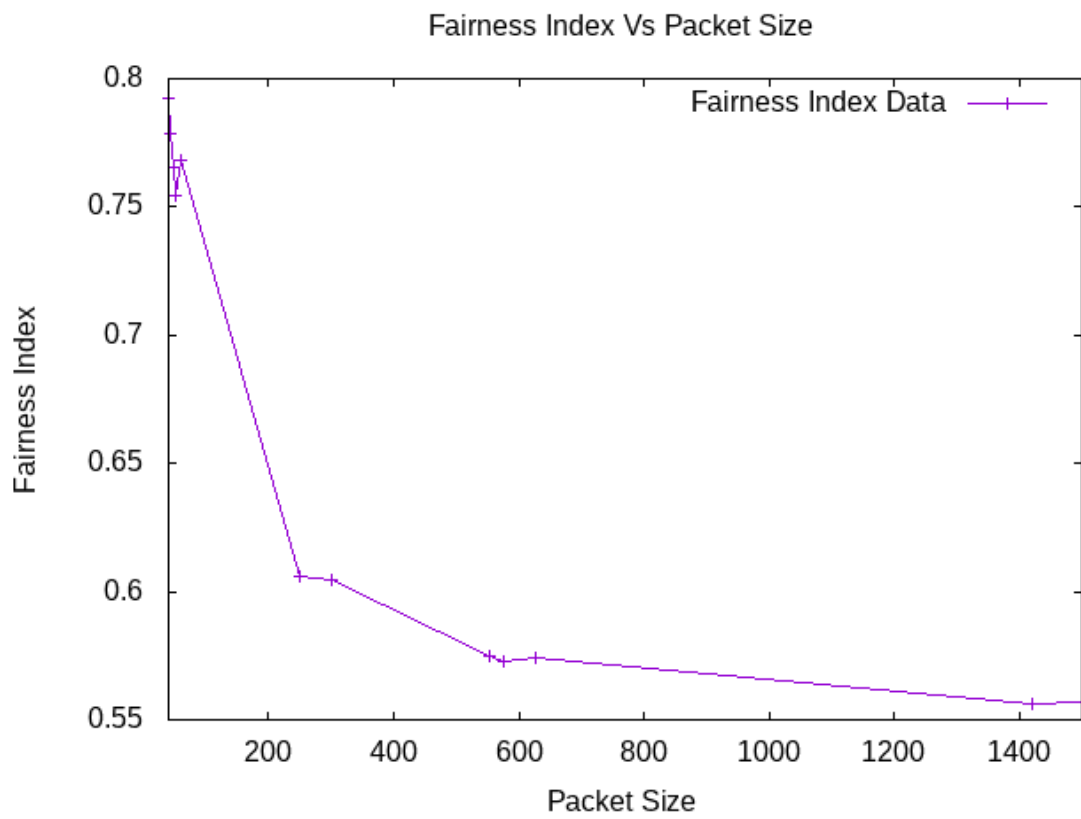
- **Abhinav anand (170123002)**

## (1.) Wired TCP Network

Node2\_\_\_\_\_R1\_\_\_\_\_R2\_\_\_\_\_Node3  
100Mbps,20ms    10Mbps,50ms    100Mbps,20ms

\_\_\_\_\_ : Wired link

Packet Size (Bytes)	Fairness Index	Average Throughput (Kbps)
40	0.792074	0.373643
44	0.778373	0.390663
48	0.765761	0.407684
52	0.754135	0.424704
60	0.768332	0.503218
250	0.606155	1.40042
300	0.604301	1.65765
552	0.575185	2.88526
576	0.572457	2.98739
628	0.573957	3.25313
1420	0.55652	7.11151
1500	0.55677	7.49639



## (2.) Wireless TCP Network

Node0-----BS1\_\_\_\_\_BS2-----Node1  
100Mbps,20ms 10Mbps,100ms 100Mbps,20ms

\_\_\_\_\_ : Wired  
----- : Wireless

Packet Size (Bytes)	Fairness Index	Average Throughput (Kbps)
40	0.768227	5.10589
44	0.760151	5.28753
48	0.752712	5.41409
52	0.745738	5.56944
60	0.730755	5.85345
250	0.595852	13.0558
300	0.583616	14.9099
552	0.549389	24.382
576	0.547657	25.3872
628	0.544104	27.224
1420	0.520479	57.4515
1500	0.519423	59.9501

