Birla Institute of Technology & Science, Pilani
Pilani Campus

I SEMESTER 2020-2021
LAB-4 EXERCISE

Course No.:	IS F462	**Course Title:**	Network Programming
Deadline:	25 Nov 2020	**Maximum Marks:**	20M

Write a concurrent TCP server selectServer.c using select() that does the following:

1. It takes port no on command-line and waits for incoming connections on that port *p*.
2. It uses select() to handle concurrency.
3. Whenever it receives a message from a client it sends it to rest of the clients connected to it.
4. Server takes N as CLA and creates N children. These children connect to the server at port p and send random strings of length 5 at every 2 seconds.
5. At every 20 seconds server sends "hello" message to all the clients connected to it. If it doesn't get reply within 10 seconds from a client, it will close the connection to that client.

Files Expected: A tar file <idno>_lab4.tar containing selectServer.c and makefile to compile your program.

Upload in Canvas.