Birla Institute of Technology & Science, Pilani
Pilani Campus

II SEMESTER 2020-2021
LAB-1 EXERCISE

Course No.: **IS F462** **Course Title:** **Network Programming**
Deadline: **As per website** **Maximum Marks:** **20M**

Write a program which does the following:

- Create N processes. N to be taken as an argument.
- Each of N process creates z number of children where z = pid%13.
- Every process with pid i checks if there is a process with i+1, i+2, i+3 etc upto i+12 by sending NULL signal to each of them.
- Every 2 seconds, every process sends SIGUSR1 signal to all the existing i+1 .. i+12 processes. Every process counts how many SIGUSR1 signals it has received in during the SIGUSR1 signal generation and prints the count. If the count is 0, process exits.

Files Expected: A tar file <idno>_lab1.tar containing signal.c and makefile to compile your program.

Upload in Canvas.