

**BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI (RAJASTHAN)**  
**II SEMESTER 2018-2019**

**ASSIGNMENT-3**

**Course No.: IS F462**

**Deadline: 24-April-2019**

**Course Title: Network Prog.**

**Maximum Marks: 20M (5%)**

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**Note:**

- Maximum of two students per group.
  - Upload code in <http://nalanda>. Name your file idno1\_idno2\_assignment1.tar .
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**P1.** Implement a inetd service. *Inetd* is a super server. It runs multiple servers as specified in `/etc/inetd.conf` file. You can assume a local configuration file for your server. One of the attributes in the configuration file is `wait/nomwait`. Your server should implement both `wait/no wait` modes.

```
1  # Syntax for socket-based Internet services:
2  # <service_name> <socket_type> <proto> <flags> <user> <server_pathname> <args>
3  #
4  # comments start with #
5  echo      stream  tcp  nowait  root    internal
6  echo      dgram   udp   wait    root    internal
7  chargen   stream  tcp   nowait  root    internal
8  chargen   dgram   udp   wait    root    internal
9  ftp       stream  tcp   nowait  root    /usr/sbin/ftpd ftpd -l
10 telnet    stream  tcp   nowait  root    /usr/sbin/telnetd telnetd
11 finger    stream  tcp   nowait  root    /usr/sbin/fingerd fingerd
12 # Authentication
13 auth      stream  tcp   nowait  nobody  /usr/sbin/in.identd in.identd -l -e -o
14 # TFTP
15 tftp      dgram   udp   wait    root    /usr/sbin/tftpd tftpd -s /tftpboot
```

**[20M]**