About CgS Computing Lab (20210202)

Lab Parameters
Server IP: **172.20.160.50**
DNS Servers: 172. 31.101.2, 172.31.1.130, 172.31.1.1
Search Order: cgs.iitk.ac.in, iitk.ac.in, cc.iitk.ac.in

All CgS Phd students have their login in CgS Lab System

Web Server: [https://cgs.iitk.ac.in](https://cgs.iitk.ac.in)
User Web Area: [https://cgs.iitk.ac.in/user/<user_login>](https://cgs.iitk.ac.in/user/<user_login>)
Lab Services intranet Web Page: [https://web.cgs.iitk.ac.in/web/cgslab](https://web.cgs.iitk.ac.in/web/cgslab)

Lab has one Xeon Linux (Ubuntu) Server with **32 Core, 128GB RAM, 24 TB (Raw) Storage and 3 GPS cards** which provides GPS Computation and heavy computation. **In this system login is on request basis (recommended by instructor/guide).**

Lab has 7 Xeon Linux (Ubuntu) Servers which provide following services.
- DNS Server
- LDAP Server
- File Server (NFS)
- Db (MariaDB)
- Intranet Web Server ([https://web.cgs.iitk.ac.in](https://web.cgs.iitk.ac.in))
- Internet Web Server ([https://cgs.iitk.ac.in](https://cgs.iitk.ac.in))
- Backup Server

Currently CgS Lab has 5 AMD based work stations. Linux Mint/Ubuntu is loaded as OS. All systems are providing user access through LDAP authentication. Users have their unified area available to them in all the workstation through NFS/AutoFS. IP Allocation is as follows.

Users can change their LDAP password using “**passwd**” command on only one workstation named cgsws2 (IP:172.26.127.16).

Users should use **strong passwords** (Password which has Alphabets, Small chars, Caps chars, Numeric letters, Special chars and minimum length must be >= 8 chars).

**How to print documents?**
Login to workstation **cgsws3**(172.26.127.17) and print using lpr command. One can also print through GUI as well.

**How to put files in web area?**
Users are given two separate area in the central system. One area is home and another area is as /www/<login>. One can put his/her website content in web area which will be visible as [https://cgs.iitk.ac.in/user/<login>](https://cgs.iitk.ac.in/user/<login>)

**How to get login?**
Send an email to **bms@iitk.ac.in** from your IITK email along with duration for which login is requested.

**How to get other helps?**
Send an email to bms@iitk.ac.in