March 03, 2006

The next CCCC meeting will be held on March 8, 2006 at 4:30 PM at CC 105. Agenda items are given below:

1. Announcements

2. Status of Giga-bit Line in Academic Area & Students' Hostels

"The IITK Backbone network is being upgraded from 100 Mbps to 1 Gbps. For this new Single Mode Fiber Optic Cable is being laid in the Academic Areaand Student Hostels. The Switches in all the buildings will also be upgraded to Gigabit Switches from the present 100 Mbps Switches. This is being done to increase the Intranet (within campus) access speeds and support the growing demands of users in the future."

3. Current Status of Cluster Machines

"Finally the cluster machines have been turned on again MArch 2, 2006 at 5:00 PM and are under observation.

The following are the works done by VOLTAS team under the supervision of Mr. Niranjan Dass, SE.

a. All indoor controllers were changed
b. Circulation in the room was improved.
c. Cooling coils in 2 units and one complete outdoor unit was changed.
d. Refrigerants were freshly charged.

Moreover the team is looking at adding some new control units to the already existing ones so that similar problems do not arise in the future at all. The ACs will be under observation for the next few days by the VOLTAS team.

It is requested to HPC group to submit jobs as much as they can. The number of slots on per q has been increased from 2 to 8 so that even a large job of 96X4 should work. The sequential queue limit has been increased to 2 jobs so that gaussian group can test by submitting sequential jobs to saturate that queue."

4. Current Status of Web Usage

"CC has two separate proxies running 34 mbps proxy.iitk.ac.in and 2 mbps vsnlproxy.iitk.ac.in . These are on 4 to 1 sharing which means one can safely use an average bandwidth of 8.5 mbps and 500mbps with peaks to 30mbps and 2 mbps without attracting any restrictions from service providers. General claim is that our internet connection is very slow. The following are the observation

a. The average usage is around 10 mbps and peak is around 32mbps with the restrictions of 3 gb download per user per month imposed.

b. The average download per user on vsnlproxy is 30Mb, while 5-10 users download 1 Gb perday the highest going to 4.5 Gb.

c. The average download per user per day on proxy is 45 Mb, and again 5- 10 users download more than 1 Gb per day. Highest download goes upto 13.5 Gb.

To facilitate optimum utilization of bandwidth- CC proposes the following:

a. CC can create bulk download on request facility for users, so that they do not have to use their precious web download quota for large free s/w downloads and bandwidth can be saved by providing these on a ftp site avoiding duplicate downloads.
b. Per day quota for each user [with maximum 3 Gb quota per month] will be 1 Gb.
c. Necessary penalty will be imposed on users who download more than the assigned quota."

5. Any Other Items

Kindly make it convenient to attend.

Thanking you

Phalguni Gupta