

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
COMPUTER CENTRE

Minutes of the CCCC meeting held on August 09, 2006 at 4:30 PM

Members present:

AE: Prof. T. K. Sengupta ACMS: Prof. Sanjay Gupta CHM: Prof. Amlendu Chandra
CSE: Prof. A Mukerjee DES: Prof. Bishakh Bhattacharya EE: Prof. Kameshwari Cherolu
HSS: Prof. T Ravichandran MATH: Prof. R K S Rathore ME: Prof. A K Saha
CC: Dr. K S Singh, Mr. H P S Parihar, Dr. Y D S Arya, Mr. G. Tiwari, Mr. B.Pandey Mr. N. Singh, Prof. P. Gupta

Members Not present:

BSBE: Prof. R Sakaramakrishnaan CE: Prof. P Chakraborty CHE: Prof. J. K. Singh
LTP: Profs. R C Budhani/ H Wanare MME: Prof. S Sangal PHY: Prof. M K Harbola
Gymkhana: Mr. Mohit Mangal, Mr Prashant Kumar CC: Dr. R. Tiwari, Mr. N. Roberts, Mr. A. Alam (On leave)

Dr. P. Gupta, Head, CC has welcomed all the members of the committee.

Agenda1. Ratification of the minutes of the last meeting

Minutes of the CCCC meeting held on July 12, 2006 have been ratified.

Agenda 2: Announcement

Dr. P. Gupta, Head CC informed that

- a) Internet bandwidth has been upgraded to 45 Mbps from 34 Mbps and is performing very well. Currently VSNL is providing the service. However Internet Service Providers have been invited to present their technology on August 12, 2006 at 9:30 AM. Accordingly he has invited all the members to participate in the discussion and to give their feedback on each service provider.
- b) Server room of Garuda project is ready and CC has received the list of users which will be sent to the Garuda project team. However sify has not yet completed their task.
- c) Performance of AC machines in the Cluster room is found to be not all satisfactory and accordingly he met the Deputy Director to hold a meeting with Voltas group which has been scheduled to be held on August 10 at 11:30AM. He has also mentioned that he would request for a new server room for this purpose.

Dr. Y D S Arya, Principal Computer Engineer, CC informed the status of new cluster machines. Dr. Arya told that machines are ready except the installation of compiler. Currently 16 CPU based license for compilers have been procured without annual maintenance contract. As a result upgradation of license may not be possible in future and we may have to procure new license if we need license having more number of CPUs. There is a need to rethink about it.

Also, Dr. Arya informed that like previous years CC is organizing a three-day workshop on Unix and CC facilities for all new students. Lectures will be for 90 minutes duration starting at 6:30 PM in L-7 from tomorrow (August 10, 2006). Speaker is Dr. Y D S Arya. He has also mentioned that the information would be sent to all CC users.

Mr. Brajesh Pandey, Sr. Computer Engineer, informed that he had investigated the problem of some inconsistency in results of two identical runs in SUN cluster machine which was raised by Prof T. K. Sen Gupta in the last CCCC meeting. He had found that there were some improper settings in the student's profile which were corrected.

Agenda 3: List of S/w & H/W to be procured in this financial year.

Dr. Gupta has mentioned the plan of CC on the purchase of H/W and S/W. In this financial year, CC is planning to procure the following:

- a) Good internet bandwidth
- b) A high capacity storage box, say of the order of 30 terabyte storage
- c) Networking items for Hall 9 and additional connections in the institute
- d) SMP or Dual processor based compute servers to reduce the load of cluster machines
- e) New Battery for UPS
- f) PCs for the lab [about 100]
- g) Compilers along with Sequential and/ or Parallel Library S/W for cluster machines
- h) Upgradation of Application S/W such as Abacus, Matlab, Fluent, CSM, SAS, SPSS, NOD-32, CPLEX etc.

Further, Dr. Gupta has pointed out the need of allocating some money for the development activities in the CC.

Budget plan has been accepted. Also, as desired by some departments, CC will try to procure the following S/W a) ORIGIN, b) Techplot, c) Upgradation of FLUENT with Population Balance Module separately d) FEMLAB with Chemical Engineering Module e) CSE Edupack S/W f) GAMS S/W g) Corel S/W Suite h) Adobe Creative Suite & Production Studio Premium i) Macromedia Studio j) Solid Works k) Solid Works, l) Autodesk & Alias m) Autocad Mechanical

Also it has been suggested to look for the possibility of procuring the above said S/W both for Linux and Windows Network license.

Since the total budget for the procurement of all these items will be exceeding the allocated budget of this year, it has been requested each member to find out the possibility of providing partial support by the department.

Based on the request of Dr. Amalendu Chandra, Chemistry, CC will look for the possibility of procuring the license for 64 CPU based PG compiler instead of that for 16 CPU based compiler.

Meeting ended with thanks to the Chair.