Workshop on High Performance Computing @ IUCAA, October 05-09, 2004

Venue: IUCAA Lecture Hall, Bhaskara 3
Conducted by Betatesting Group, NPSF, C-DAC, Pune University Campus
Workshop Co-ordinator : Dr.VCV.Rao, Betatesting Group, NPSF

Inauguration: 09:20hrs on 05/10/04 at Bhaskara 3
Banquet: 20:00hrs on 07/10/04 at Chittaranjan lawns

Day	9:30-10:30	10:30-11:30	12:00-12:45	12:45-13:30	14:30-18:00
05/10/04	Introduction (V.Sundararajan)	Optimization Techniques (Subba Ramanna)	Basics of MPI and OpenMP (S. Joshi)	Data analysis pipeline (A.Sengupta)	Hands-on session: using IUCAA/CDAC Facilities, basic OpenMP/MPI (Dr.VCV.Rao)
06/10/04	OpenMP (Ravi Kumar)	MPI (S. Joshi)	HPC in radio Astronomy (B.CJoshi)	N-Body Simulations (S.Engineer)	Hands-on session: OpenMP/MPI (Dr.VCV.Rao)
07/10/04	Advanced topics: MPI + OpenMP (Ravi Kumar)	Parallel tools / Libraries (S.Engineer)	Structural Mechanics (M.Shah)	Benchmarks (Subba Ramanna)	Hands on session: Advanced problems (Dr.VCV.Rao)
08/10/04	Parallel algorithms (Sanjay Kadam)	Hardware Aspects of HPC (S.Phillip)	Computational Chemistry (S.R.Gadre)	Genetic Algorithms (V.Sundararajan)	RedHat presentation + hands-on session
09/10/04	The state of the art (V.Sundararajan)	Future trends: Introduction to GRIDs (S. Joshi)	Open discussions		Cluster building demo+ hands-on session

*Hands-on sessions will be conducted on PARAM Series in the seminar room above the computer center
 Tech Staff members are involved in Hands-on Session on PARAM 10000
 Pedagogical lectures