DEPARTMENT OF COMPUTER SCIENCE AND SYSTEMS ENGINEERING

Faculty Development Programme on

"High Performance Computing"

The Department of Computer Science and Systems Engineering, organized Faculty Development Programme on **"High Performance Computing"**, 30th -31st, August 2013 under TEQIP – II.

This Faculty Development Programme covered both hardware and software aspects of High Performance parallel and distributed systems. It mainly focused on Fundamentals of HPC-Parallel Computing, Services of HPC, Parallel Programming with MPI, Introduction to Multicore Architectures, Parallel programming with Open MP, Parallel Algorithms for Multicore Architectures, Green HPC, HPC & Cloud.

The faculty from various colleges across the nation attended the FDP.

Inaugural Function of Faculty Development Programme on "High Performance Computing"

Dr. V.C.V. Rao, *C-DAC, Pune delivering lecture on "Fundamentals of HPC Parallel Computing, Processor Architecture for HPC, Parallel Programming with MPI"*

Dr. Amit Parashuram Kesarkar, *NARL, Gadanki discussing "Introduction to Multicore Architectures"*

Dr. Chapram Sudhakar, *NIT, Warangal delivering lecture on "Green HPC, HPC & Cloud"*

Dr. M. Rajasekhar Babu, *VIT, Vellore delivering lecture on "Parallel Programming with OpenMP, Parallel Algorithms for Multicore Architectures"*

Group Photo

40 Faculty members participated and gained knowledge on High Performance Computing.

Outcome and Importance of the Faculty Development Programme on "High Performance Computing"

➢ Exposure to knowledge in advanced subject area.
➢ It helps in designing B.Tech or M.Tech Curriculum.
➢ It helps for setting up new laboratory in the area of High Performance Computing.
➢ Interaction with subject experts and exchange of new ideas.