National Seminar on High Performance Computing

11th August 2015

ANNAPOORANA
ENGINEERING COLLEGE

सी डैक प्रगत संगणन विकास केंद्र
CDAC CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

A Scientific Society under Ministry of communications and IT Government of India

Organized by

Department of Computer Science & Engineering Annapoorana Engineering College

(Approved by AICTE, New Delhi
and Affiliated to Anna University, Chennai)
NH-47, Sankari Main Road, PeriyaSeeragapadi,
Salem, Tamilnadu, Pin code - 636 308
Web : www. aecsalem.edu.in

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Seminar Topics

- ❖ Need for HPC in Science & Engineering and its impact in business
- ❖ Building Blocks of HPC
- ❖ Parallel Programming:
  - Paradigms
  - Shared memory programming with OpenMP
  - Distributed memory programming with MPI
- ❖ Demo of OpenMP and MPI
- ❖ Introduction to PARAM Shavak ,
  - supercomputing in a box
  - a development kit cum application enablement platform from C-DAC
- ❖ Many-core programming (SIMD, Vectorization) with demo

Registration Details

Registration fee Rs. 100/- for faculty members, students and research scholar. Limited seats only, priority will be given for candidates who apply first.

For Registration Contact

Mr. T. POORNACHANDAR, AP/CSE (7708027285)
Mr. T. THANGADURAI, AP/CSE (9952372158)
Mr. R. VIJAI, AP/CSE (9865756478)

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About the Institute

Annapoorana Engineering College (AEC) was promoted by the famous Thirumuruga Kirupananda Variyar Thavathiru Sundara Swamigal Medical Educational and Charitable Trust (TKVTSSMEC Trust) in the year 2010.

Annapoorana Engineering College is becoming a shining example of 'inclusive' culture providing quality education to students belonging to socially deprived groups. In this sense, this college is proving to be a forerunner to the principle of social justice that was powerfully enunciated and enshrined in the constitution of Indian Republic. It aims at producing "Industry Ready World Class Engineers".

Annapoorana Engineering College is duly approved by AICTE, New Delhi and affiliated to Anna University, Chennai. It offers six Undergraduate Programs in Engineering, B.E. - Civil Engineering, Computer Science & Engineering,

Electrical & Electronics Engineering, Electronics & Communication Engineering, Mechanical Engineering and Automobile Engineering. The college also offers Postgraduate M.E courses in Computer Science & Engineering and Power Electronics & Drives.

Department of Computer Science & Engineering

The department of computer science and engineering intends to create a culture that encourages remarkable teaching with technological innovation and exploration of the latest advancement in the ever changing field of computer science. The department aims at obtaining international recognition and making our institution a center of excellence in research by offering quality education in computer and allied subjects.

The department of Computer Science and Engineering provides an ideal learning environment complement by excellence in teaching. The department offers B.E. and M.E. degrees. Our department encourages remarkable teaching on modern topics to equip students with the latest developments in the field of Computer Science & Engineering. The department is well equipped with computer, high speed Internet and wireless networks to provide high academic standards.

Scope of the Seminar

Seminar on High Performance Computing is to provide paradigms, building blocks of super computer and its impact on business solutions.

About C-DAC

Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization of the Department of Electronics and Information Technology (DeitY), Ministry of Communications & Information Technology (MCIT) for carrying out R&D in IT, Electronics and associated areas.

Venue	:	**Dr. A. Shanmugasundaram Seminar Hall,** Annapoorana Engineering College, Salem
Date	:	**11 August, 2015**
Time	:	**09.30 am**

Resource Person
Dr.Hemant Darbari
Executive Director,
C-DAC, Pune

Dr. Darbari is one of the founding members of C-DAC, an R&D institute set up by the Department of Electronics and Information Technology, Govt. of India for carrying out advanced research in new and emerging technological domains. Currently as the Executive Director, C-DAC, Pune, he is primarily associated with driving the R&D roadmap in the multi-specialty domains of National Supercomputing, Multilingual Computing, Software Technologies, Health Informatics, Disaster management, e-Governance and Education & Training.

Dr. Darbari is a recipient of the prestigious "Computerworld Smithsonian Award Medal" from the Smithsonian Institution, Washington DC for his outstanding work on MANTRA which is also a part of "The 1999 Innovation Collection" at the National Museum of American History, Washington DC, USA.

Recently Dr. Darbari was felicitated for his outstanding work in the area of Machine Translation, Speech Technologies and Hindi Language proliferation on the occasion of Hindi Parv-2014 by the Chief Minister of Madhya Pradesh Hon'ble Shri Shivraj Singh Chouhan.

Very recently, he received the prestigious VASVIK Award for his contributions to the advancement of Information and Communication Technologies.