AAKRITI '12: National Symposium on Recent Developments in Computer Science
An Industry-University Interaction Programme

Proposed Dates
29th - 30th March 2012

DEPARTMENT OF COMPUTER SCIENCE
SCHOOL OF ENGINEERING AND TECHNOLOGY
PONDICHERRY UNIVERSITY
PONDICHERRY – 605 014

About the Department

The Department of Computer Science of Pondicherry University has been mainly engaged in establishing and upgrading high quality postgraduate educational programs and also development of working prototypes in many areas of computing and its applications. The Department has also been progressively increasing its engagement in various areas of Research and Development. In the current phase, the Department is engaged in Research and Development as the main facilitator for continuously enhancing the quality of faculty and the quality of our affiliated colleges.

The first outcome of our faculty's engagement in Research and Development is continuous up-gradation of our courses and multifaceted engagement of our students in meaningful usage of knowledge in our courses. The Department has already started receiving grants for various sponsored research projects. Many faculty members of the Department are currently working for their Doctoral work in diverse areas of Computing. In order to channelize the enthusiasm, energy, and creativity of young students, the Department actively promotes our students involvement in Research and Development activities. As part of its instructional strategy, the Department makes active use of research literature of ACM, IEEE, and Springer. As the said Symposium is addressing all the major areas of Computer Science, the inputs from the corresponding research community is expected to be more and the outcome of the Symposium shall definitely deliver literature in Computer Science and Engineering.

About the Symposium

The National Symposium is a forum for discussing various recent developments and trends in computer science, with working IT professionals, academicians, administrators and the students of Computer Science and Engineering. The huge gathering of the host shall be enlightened with the latest developments in computer science and deal the benefits of updating their knowledge with the latest technologies in computer science and take part in the research and development activities that is being carried out for nation's intellectual property. As the Symposium is focusing on all areas of computer science the domain is open inviting the best research articles from all around the nations. The brain storming sessions stretched for two days in around twelve sessions shall bring out the best feasible solutions for handling various problems in Computer Science and Engineering.

The present Symposium will be addressed to the large group of students of Computer Science and Engineering who are undergoing their training in Computer Science at the Department of Computer Science, studying different courses like: M. Tech (Computer Science), M. Tech (NIE), M. C. A., M. Sc (Computer Science), M. Sc. (Computer Science-Integrated), Ph.D. Apart from the students mentioned students from the neighboring campus of Pondicherry Engineering College and students from other affiliated Colleges in and around Pondicherry, may participate and gain the knowledge disseminated by the experts in their respective field of Research.

Researchers, scholars, and students working in the field of Computer Science may also participate and present their completed work or the ongoing work. Overall this Symposium shall meet the need of sharing the knowledge gained through various forms of research spread over the country among the Computer Science and Engineering community disseminated by the Experts and the working research scholars in their respective field. In turn this Seminar shall contribute in throwing some light to the students of Computer Science with an exposure towards the latest and broad areas of Research and Development in Computer Science and help to choose their career in Research and Development.

Thrust Areas of the Symposium

The unpublished papers from the ongoing or completed research work is expected to be presented in the current Symposium from the list of Research areas of Computer Science and Engineering but not limited to:

- Advanced Algorithms
- Architecture Evaluations
- Artificial intelligence
- Automation and Mobile Robots
- Bioengineering
- Blue-Tooth Technologies
- Brain machine Interface System
- Brain Mapping

- Computational Biology
- Computational linguistics
- Computational Statistics
- Computer Architecture
- Computer Software / Hardware
- Cyber-Science and Cyber-Space
- Data and Information Systems
- Data Bases and its applications
- Data Compression
- Data Engineering
- Data Fusion
- Data Mining
- Data Warehousing
- Design of Algorithms
- Digital Speech Processing
- Distributed Data Base
- Distributed Knowledge-base Systems
- Distributed Multimedia
- Distributed Real Time Systems
- E-commerce
- Embedded Systems & Applications
- Environmental Protection
- Fault Tolerance
- Genetic Algorithms
- Genomics
- Granular Computing
- Grid & Parallel computing
- High performance computing
- High Performance Languages
- Human computer Interaction
- Image Processing
- Industrial Applications
- Information Technology
- Information Theory
- Intelligent Agents
- Intelligent Internet System
- Intelligent Learning in Control System
- Intelligent Power & Energy System
- Intelligent Systems
- Intelligent Transportation System
- Internet based Data Bases
- Knowledge Acquisition in Intelligent System
- Micro Electro Mechanical System
- Micro strip circuits and components
- Parallel & Distributed Computing
- Parallel Computing Systems
- Pattern Recognition

- PCS/cellular and hybrid Systems
- Performance Evaluation
- Pervasive Computing and Middleware
- Programming Languages
- Project Management
- Radar, Optical Communications
- Remote sensing
- Reusability
- Robotics
- Robotics and Intelligent Sensing
- Satellite Communications
- Scattering, RF-IC, systems-on-chips
- Semantic Web & Web Services
- Sensors and measuring techniques
- Signal Processing & applications
- Signal Processing for Communications
- Soft Computing
- Software Design and Development
- Software Evaluation Standards
- Software for Parallel and Distributed Systems
- Software Maintenance
- Software Methodologies
- Software Metrics
- Software Requirements
- Software Testing
- Supercomputing

Venue of the conference: **Convention cum Cultural Hall,**
Pondicherry University,
Pondicherry

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