KCG
COLLEGE OF TECHNOLOGY

International Conference on
Knowledge based Computing Technologies
(ICKCT '16)

ORGANIZED BY

Department of Computer Science and Engineering

Information Technology

&

Master of Computer Applications

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15th & 16th DECEMBER, 2016

ABOUT THE COLLEGE

KCG College of Technology founded in 1998, is a Christian minority institution, affiliated to Anna University, Chennai and approved by AICTE, New Delhi. The College has been certified as an ISO 9001:2008 Institution and most of the UG programmes accredited by NBA. It offers 8 UG Programmes and 7 PG Programmes. The College is located at Karapakkam, about 8 kilometers from Adyar (South Chennai) on the Old Mahabalipuram Road (IT Highway). The lush green campus, spread over a stretch of nearly 50 acres on the banks of a picturesque lake, provides an idyllic setting that is conducive to scholastic achievement. The college is unique of its kind in providing holistic education that focuses on outcome based education, which includes a balance in academic activities blended appropriately with extracurricular and co-curricular activities aligning itself to the vision of its founder a philanthropist, Late Dr. K.C.G Verghese which is "making every man a success and no man a failure". The Institution is at the forefront of innovation and entrepreneurship that aims to produce job givers rather than job providers.

ABOUT THE DEPARTMENTS

CSE department has been functioning since the inception of the institute with the Vision of desiring to become a prominent center for technical education par excellence and for socially relevant research, producing competent professionals to serve the nation. The department has permanent affiliation to Anna University and is a recognized research center by Anna University. The department has consistently produced university ranks and has been bestowed with the 'BEST DEPARTMENT IN THE COLLEGE' award for three consecutive years. It is stepping forward to expand its wings from the national to international arena through appropriate industrial collaborations, funded projects, consultancy and quality research. The student membership activities in professional bodies are in full swing and there are avenues for students participating in various national and international technical and cultural competitions.

IT Department aims to develop young students to excel in and get proficiency in latest trends in Information and communication Technology. It is also striving to set up Center of Excellence in the areas of "Cloud Computing","Mobile Application", "Data Mining" and "Software Engineering".

The Department of Master of Computer Application nurtures young students to meet the growing need of IT Industry. Special lectures and industrial visits are included in the curriculum enabling students to become employable for campus placements.

ABOUT THE CONFERENCE

The aim of the conference is to share and provide a comprehensive advancement pertaining to Data Science and Knowledge Computing. A paradigm shift is under way. It is towards knowledge computing as the foundation for next generation Information and Communications Technology (ICT). It is an awesome opportunity to bring under the same roof, members of the academia, industrial experts and students enabling them to share their experiences and findings in the relevant technical areas. The anticipated outcome is the ideation and implementation of new systems or processes. The speakers and participants are experts across the world in various sectors such as Automobile, Health Care, Hospitality, Education, Engineering, Construction, Information Technology & Software Development etc., who have inovated new prototypes and applications in ICT. The conference also facilitates research and PG scholars to publish their work in journals of repute.

GUIDELINES FOR PAPER SUBMISSION

Authors are to submit their Camera Ready paper(s) not exceeding 10 pages in a double column format using easy chair link *https://easychair.org/conferences/?conf=ickct16*
and also through mail – *ickct2016@gmail.com*

PUBLICATIONS

All papers will go through blind review process before being accepted for the publication. All selected papers will be published in conference proceedings with ISBN. Best papers will be announced at the conference with appreciation certificates. Few Selected and extended papers will be published in any of the following journals with an additional cost.

1. **Applied Computational Electromagnetic Society Journal (Annexure-I)**
2. **Journal of Medical Imaging and Health Informatics (Annexure-I)**
3. **International Journal of Big Data Intelligence (Google Scholar Indexed)**
4. **International Journal of Grid and High Performance Computing (Scopus Indexed)**
5. **Australian Journal of Basic and Applied Sciences(Scopus Indexed)**

CONFERENCE TOPICS

Theme 1 - Intelligent Computing
- Artificial Intelligence
- Bioinformatics
- Computer Graphics
- Gaming and Animation
- Genetic Algorithms
- Evolutionary Algorithms
- Image Processing
- Information Retrieval and Fusion
- Intelligent Control Systems
- Multimedia
- Natural Language Processing
- Pattern Recognition
- Robotics
- Soft Computing
- System Simulation
- Virtual Reality

Theme 2 - Database System
- Big Data
- Data Mining
- Data Warehousing
- Database Management Systems
- Knowledge Discovery
- Web Mining

Theme 3 - Software Engineering
- Agent Oriented Software Engineering
- Agile Software Engineering
- Component Based Software Engineering
- Computer Aided Software Engineering
- Dependable Systems Design
- Software Architectures
- Software Dependability Evaluation
- Software Design Patterns
- Software Development Tools
- Software Metrics
- Software Project Management

- Software Quality Assurance
- Software Reliability
- Software Reuse
- Software Reverse Engineering
- Software Testing
- Software Testing Tools
- Software Verification and Validation Techniques

Theme 4 - System Software
- Compiler Design
- Computer System and Modelling
- Operating System
- Parallel and Distributed Computing
- Programming Languages
- System Software
- Business Intelligence
- Computers in Education and Training
- Customer Relationship Management
- E-Commerce
- Enterprise Resource Planning
- Human Resource Management Systems
- Management Information System
- Medical Informatics
- Supply Chain Management

Theme 5 - Data Communication and Networking
- Agents
- Cloud Computing
- Computer Networks
- Cryptography
- Data Communication
- Grid Computing
- Information and Network Security
- Mobile Computing
- Network Management
- Services Oriented Architecture
- Storage Area Networks

REGISTRATION DETAILS

It is mandatory that at least one author of each accepted paper should register for the conference.

Author (Indian Academician) :   INR 6500/-
Author (Indian Scholar)   :   INR 4000/-
Author (international)   :   USD 400
Co-Author /Non - Author   :   INR 2000/-
More than 10 pages   :   INR 300 per page

Registration fee includes conference kit, refreshment and lunch during the conference days.
(Note: Each registration covers maximum one paper)

Author can pay the registration fees
1. By demand draft in favour of "The Principal, KCG college of technology" payable at Chennai drawn from any nationalized bank to the communication address on or before 5/12/16
2. For Online Payment the details can be found on the website. Also send the scanned copy of the document by E-mail to ickct2016@gmail.com.

Accommodation and travel expenses shall be borne by the participants. Several good hotels are available around the college. Participants may contact directly or through the organizer(s) for accommodation in hotels.

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