Kristu Jayanti College

AUTONOMOUS — **Bengaluru**

Reaccredited 'A' Grade by NAAC | Affiliated to Bangalore University

INTERNATIONAL CONFERENCE

on

CURRENT TRENDS IN ADVANCED COMPUTING

ICCTAC

Keeping Pace with Technology

Organized by

Department of Computer Science (PG)

MCA Programme

2nd & 3rd March, 2017

Technical Co-Sponsor

IEEE
Bangalore Section

www.kristujayanti.edu.in/icctac

Registration	**09:00 A.M.**
Inauguration	**10:00 A.M. - 11:00 A.M.**
Tea Break	**11:00 A.M. - 11:15 A.M.**

Technical Session - I   11.15 A.M. – 12.00 NOON

Speaker : **Dr. Geetha Manjunath**, Co-founder and CEO of NIRAMAI.

Mrs. Geetha has about 25 years of research expertise in IT industry and has proposed and lead multiple research projects in data analytics, crowd sourcing, cloud computing, semantic web, mobile and distributed computing. Her research in the above areas has resulted in innovative prototypes, patents, publications, new products and some national and international recognition.

Topic : "Machine Learning for Healthcare"

In the broad sweep of AI's current worldly ambitions, machine learning healthcare applications seems to be top the list for funding and press. The machine learning for health care specializes in developing algorithms that learn to recognize complex pattern with rich and massive data.

Workshop Session - I   12:00 NOON - 01:00 P.M.
Workshop Session - II   02:00 P.M - 04:30 P.M.

Speaker : **Dr. M. Venkatesan**, Assistant Professor in CSE department, National Institute of Technology Karnataka.

Dr. M. Venkatesan, Assistant Professor in CSE department, National Institute of Technology Karnataka, Surathkal, he is also a Visiting Faculty at Monash University, Australia. He is an Oracle Certified Instructor for Oracle WDP Program. His area of expertise includes Big Data Analytics, Hadoop Configuration, Data mining tools like Clementine and Rapid Miner. He implemented MRTG tool to check Network Traffic. He conducted short term course on Big Data Analytics and Oracle 10g for Non-IT students.

Hands on Lab Session - "Machine Learning Using R"

Today world is driven by data. Large amount of data from varied sources has been increasing attention paid to the various data driven disciplines such as analytics and machine learning.The workshop gives knowledge about the machine learning tasks for pattern analysis and modelling. The idea is to focus on the current research studies, challenges, and practical experiences in the domain of machine learning, and trying to deal with them using open source tool R.

The following topics would be covered.

1. Principle Component Analysis
2. Naive Bayes
3. Decision Trees
4. Support Vector Machine
5. Random Forest
6. Hierarchical clustering
7. KNN

Paper Presentation I	**04:45 P.M. - 06:00 P.M.**

Paper Presentation II   09:30 A.M. – 10:45 A.M.

Technical Session - II   11.00 A.M. – 12.00 NOON

Speaker : **Mr. Nishant Krishna**, Software Architect, Avaya.

Mr. Nishant is a Software Architect, Innovator and Inventor with 16+ years of experience working on Network Management Systems (NMS), Cloud and Virtualization, Software-Defined Network (SDN) and Internet of Things (IoT) technologies. Nishant has 2 patent granted and 5 patents filed/pending with US Patent Office in the areas of Network Management Systems, Cloud, Virtualization and SDN Technologies.

Topic : " The complexity of IoT World, Security Challenges and Building Secure Wired and Wireless IoT Networks "

The vision of Internet of Things (IoT) is to enable devices to collaborate with each other on the Internet. This talk looks at the challenges and discusses the enabling technologies and innovations.

Technical Session - III   12.00 NOON – 01.00 P.M.

Speaker : **Mr. Ramanathan Sankaran**, Chief Executive at Param Consulting, Bangalore.

Mr. S Ramanathan is an Engineering graduate with a post Graduate Diploma in Management from Indian Institute of Management, Ahmedabad. He has about 34 years of experience in Manufacturing and Information Technology areas. He has headed the MIS departments of two well-known groups in South India.

Topic : " Big Data Implementation Challenges"

The amount of data in both private and public domain is experiencing exponential growth. The significant increase in data in recent years, coupled with development of new technologies and techniques to analyze it. To better understand the challenges faced by organizations trying to leverage Big Data, Knowledgent's perspective are potential pain points.

Technical Session - IV   02.00 P.M. – 03.00 P.M.

Speaker : **Dr. E. George Dharma Prakash Raj**, School of Computer Science and Engineering, Bharathidasan University, Trichy, TamilNadu.

Dr. George has more than 25 years of teaching experience. Currently he is a chairman, Board of studies Computer Science at bharathidasan university. He is also a senior member, editorial board member in various research organization in India, USA, Singapore and Hong kong.

Topic : "Computer Interactions "

Computers have become almost connected with all the activities of living beings. This talk gives an overview and about the various innovations that has happened in the domain of Computer Interactions.

Valedictory

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Dr. P. Subashini, Professor, Dept. of Computer Science, Avinashilingam University, Coimbatore.

Contact Persons

Prof. Muruganantham   +91 8105638113

Prof. Kumar R   +91 9902933747

e-mail :   icctac@kristujayanti.com

www.kristujayanti.edu.in/ICCTAC

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