National Workshop on

AI and Web: Opportunities & Challenges

(March 2-4, 2012)

Organized by

Parallel & Distributed Computing Division,
School of Computing Science and Engineering

VIT UNIVERSITY
(Estd. u/s 3 of UGC Act 1956)
Vellore-632 014, Tamil Nadu, India.

in association with

Computer Society of India
Vellore Chapter

About VIT

Founded in 1984 as Vellore Engineering College, the institute was declared a University in recognition of its academic excellence by the Ministry of Human Resources Development, Government of India in 2001. The University has since grown by leaps and bounds establishing excellent infrastructure replete with state-of-the-art laboratories, digital library, smart class rooms, seventeen hostels, gyms, swimming pools, auditoria and stadium spread over an impeccably clean and green 350 acre campus on way to fulfill the vision of the founder and Chancellor **Dr. G. Viswanathan** to make it truly world class. Located on the Ranipet - Katpadi highway it is 130 kms West of Chennai and 205 kms East of Bangalore. The strategic location of the University adds value to the education by constant interaction with nearby industries.

About SCSE

History of computing discipline at VIT University dates back to 1993, when the Department of Computing Science & Engineering was established to meet the demand for well-qualified computer professionals. The School of Computing Science and Engineering (SCSE) was conceived in the year 2009. The mission of the School is to persistently strive for achieving excellence in computing disciplines. It is being pursued through its spectrum of academic programmes in computing of contemporary standards. The sustained effort is to produce computing graduates with potential to design and develop systems involving the integration of software and hardware devices; innovative approaches to programming and problem solving as well as creative ways to use Computers.

REGISTRATION IS OPEN

About CSI Vellore Chapter

Computer Society of India, Vellore Chapter was inaugurated on 28th February 2005 VIT campus. CSI VIT Student Branch was inaugurated on 6th April 2005. VIT University under patronage of its Chancellor is unique in the sense that no other institution in India has hosted CSI Chapter and Student Branch together and also no other organization has such a large base of CSI life members. With the excellent team efforts and VIT's infrastructural support, the Chapter became synonymous with organizational vibrancy and high-quality programmes. A new conference series on Education and Research (ConfER) was conceptualized and launched at VIT University on 29-30 March 2008. The series is now organized annually in different regions of India.

Committee Members

Chief Patron

Dr. G. Viswanathan, Chancellor

Patrons

Shri. Sankar Viswanathan, Vice President (Administration)
Shri.G.V.Sampath, Vice President (Operations)
Shri. Sekar Viswanathan, Vice President (University Affairs)
Shri. G. V. Selvam Vice President (Chennai Campus)

Advisory Committee

Dr.V. Raju, Vice Chancellor
Dr. S. Narayanan, Pro-Vice Chancellor, VIT.Vellore.
Dr. Anand A.Samuel, Pro-Vice Chancellor, VIT. Chennai.

Program Chair

Prof. S.Margret Anouncia, Director, SCSE

Conveners

Prof. P. Kalyanaraman
Prof. V. Madhu Viswanatham

Organizers

Prof. S. Vairamuthu - 9486028245
Prof. V. Balasubramanian - 9443880429
Prof. A. Anthoniraj - 8144735667

Event Managers

Prof. Parveen Sultana H
Prof. Vijayasherly V
Prof. Mohan .K
Prof. Ananda Kumar S
Prof. Gopinath M.P.
Prof. Rajeshkannan R
Prof. Rajasekara Babu M
Prof. Jagadeesh G
Prof. Saritha V
Prof. Mahalakshmi S
Prof. Saravanaguru Ra.K.
Prof. Arun Kumar G
Prof. Kalaivani D
Prof. Ramani S
Prof. Govinda K

About the Workshop

Last few decades have seen a new era of artificial intelligence (AI) focusing on the principles, theoretical aspects, and design methodology of algorithms gleaned from nature. Web offers an open and decentralized environment in which anyone can publish information and services coupled with powerful search engines and agents to discover them. The result is an environment enormously useful to people for research, learning, commerce, socializing, communication and entertainment. Engines that search for meaning rather than words will make the Web more manageable. What companies like Google, Autonomy, and Verity are doing, in other words, is figuring out better ways of doing what search engines have always tried to do. Innovation in Web search using artificial intelligence may lead to the day when you could expect the Web to do the tedious tasks for you. This workshop will be of immense help for those who are pursuing research in the following areas: Information Retrieval and Extraction

This workshop will focus on the following topics

- ✓ Introduction to AI
- ✓ Information Retrieval
  - ➢ Crawling & Indexing
  - ➢ Ranking Principles
- ✓ Information Extraction
  - ➢ Pattern based Information Extraction
  - ➢ Information Extraction models
- ✓ Data Mining Techniques
  - ➢ Clustering
  - ➢ Latent Semantic Indexing
  - ➢ Matrix Factorization
- ✓ AI & Web
  - ➢ Web Summarization
  - ➢ Social tags and Networking
  - ➢ Sentiment Analysis
  - ➢ Mining Common sense knowledge
  - ➢ Spelling correction

Note: Hands-on with concerned tools along with the theory sessions has been scheduled.

Exposure to fundamental knowledge on Set Theory, Linear Algebra and Graph Theory would be an added advantage for the participants.

Program Co-Chair and Speaker

Mr. NIKET TANDON,
Max Planck Institute for Informatics
Saarbrücken - 66123, Germany.

Registration Charges* (INR)

Category	CSI members	Non CSI members
Academics	2500	3000
Industry	3500	4000
Students	1500	1750

(* - Excluding Accommodation charges)

Completed Applications should accompany with Demand Draft drawn in favor of "VIT University" payable at VELLORE and addressed to:

Organizer, National Workshop on
AI & Web: Opportunities and challenges
School of Computing Science and Engineering,
VIT University, Vellore - 632014
Email: svairamuthu@vit.ac.in
Web: www.vit.ac.in/2012AIWeb

For Online Registration, please visit
http://workshop.anthoniraj.com

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REGISTRATION FORM

Name: ----------

Department: ----------

College: ----------

Address for Correspondence:

E-Mail: ----------

Mobile: ----------

CSI Membership number: ----------
(if applicable)

Demand Draft Details

Amount : ---------- **No.:** ----------

Bank & Branch :----------**Dated :** ----------

Signature: ----------

Is Accommodation Needed? YES ( ) / NO ( )

Accommodation including food will be provided in the Hostel with a nominal fee of Rs.1350/- for three days on a twin sharing basis to be sent along with registration fee.