

# National Conference

On

## “Emerging Technologies in Computer Engineering” (NCETCE-2011)

26<sup>th</sup> Nov. 2011



## Conference Report

**Organized By:**



Department of Computer Science & Engineering  
(NBA Accredited)

IEEE Computer Society Student Branch Chapter

Swami Keshvanand Institute of Technology, Management &  
Gramothan, Jagatpura, Jaipur

**Co-Sponsor:**



Computer Society Chapter  
IEEE Delhi Section

# Glimpses of NCETCE-2011



# NCETCE - 2011

This conference aims to provide a stage for expert technical exchanges and exhibition regarding the advanced technologies, equipments, techniques and innovations applied in field of Computer Engineering.

It has attracted governmental officials, multinational experts, managers, researchers and technicians in relevant field to discuss together their ideas and experiences.

The Organizing Committee of the NCETCE-2011, with its utmost sincerity, intends to invite all the related experts and scholars in the country to attend the Conference, and to realize the most extensive exchanges and discussion in this field.

NCETCE-2011 was held under the Technical co-Sponsorship of Computer Society Chapter IEEE Delhi Section IEEE on 26<sup>th</sup> Nov. 2011 at SKIT Campus, Jaipur by the Department of Computer Science & Engineering.

**NCETCE**, the one- day events saw over 50 speakers and over 150 participants including key decision-makers from government, industry leaders, practitioners and academicians from India.

This conference aimed to take stock of the progress made by India in Technologies. The conference had also aimed to deliberate on the enabling infrastructure and policies and challenges of resources, and identify the critical success factors that build and sustain initiatives in Computer Engineering & Information Technology.

The conference included focused panels, discussions and sessions providing an unique opportunity for participants to share knowledge, information, news, views and network with peers and experts from the country.





The main conference agenda was formulated with guidance from the Conference Advisory Board included experts and decision-makers from around the country. The conference included two plenary and two parallel sessions spread over the schedule.

NCETCE-2011 Conference Report  
The inauguration was graced by

**Shri Rajendra Bhanawat (Chief Guest)**  
(Managing Director, RIICO),

**Prof. (Dr.) Depak Garg (Guest of Honour)**  
(Secretary, Computer Society Chapter, IEEE  
Delhi Section)

**Sh. A. S. Bhatnagar (Guest of Honour)**  
(Vice President, HCL Infosystems, Noida)

**Prof. (Dr.) R. K. Joshi (Guest of Honour)**  
(Professor, Computer Science &  
Engineering, IIT, Bombay)

**Shri Somesh Gupta (Guest of Honor)**  
(DC Head, INFOSYS, Jaipur)

**Shri Kunal Dureja (Guest of Honor)**  
(Country Leader, Career Education, IBM)

**Shri Ripudaman (Guest of Honor)**  
(Associate Vice President, HCL Infosystems,  
Jaipur)

**Prof. (Dr.) S. C. Jain (Guest of Honor)**  
(Professor, Department of Computer  
Engineering, RTU, Kota)

**Shri Sanjeev Jain (Guest of Honor)**  
(Sr. Project Manager, Infosys  
Technologies)

The first plenary session of the day was on Web Applications and Security, Data Mining and Database Systems, Artificial Intelligence & Fuzzy Logic. This session, which was chaired by Prof. R.K. Joshi Professor, Computer Science & Engineering, IIT, Bombay, saw five key speakers from different colleges across the country.

**Mahesh Kumar Pareek**, Senior Programming Officer,  
ONGC, Delhi

### **In-memory and Cloud Computing**

The in-memory computing has been seen as the solution for the first and the cloud computing for the second challenge. SAP the one of big player in the ERP solutions has also come with the solution (SAP HANA – High performance Analytic Appliance). For in-memory computing the processing and the memory are integrated on a single die and thus reducing the cycle time of reading and writing the data from hard disks.

**Prof. (Dr.) Anil Chaudhary**, Consultant, J2EE, HCL  
Infosystems Pvt. Ltd

### **Specifications & uses of J2EE Platform in E-Business (Scientific Approach)**

This paper presents a concept framework, which defines “Specifications & uses of J2EE Platform in e-business” the task of developing, deploying, and managing complex, integrated, and standards-compliant e-business solution by using J2EE platform.



**Prof. (Dr.) Rushikesh K. Joshi**

Department of Computer Science & Engineering  
Indian Institute of Technology Bombay  
Powai, Mumbai

The growth of computer has been rapid in the last two decades and it has caused many challenges to the lifestyles of citizens. In order to understand and develop the capacities of computing based paradigms to put them to application for improving quality of life, events such as these are significant.

“Reversible Logic is needed for energy. Security & high-speed computation Algorithms, hardware platforms and Tools are in preliminary stage but promising. Can be mapped to Quantum, Nano and Photonic Computational Platforms. Active Research groups and resources are available.”

**Mamta Dadhich**, The IIS University, Jaipur

### **Development of a Framework for Selection of an Appropriate Software as a Service Product of Cloud Computing**

Existing research work has got limitation as they cover less on technical issues and emphasized more on non technical issues such as vendor's reputation, cost, sales performance management and sales analysis. The research initiates with a study of various technical issues such as customization, functionality, usability, speed, etc. Developing framework will helpful for organization to select appropriate software as a service. SaaS is one of the service model of Cloud computing.

**ManjuKaushik**' Department of Mathematics & Statistics, Mohanlal Sukhadia University, Udaipur, India

### **Statistical Methods and Techniques used to recover Incompleteness of Missing Values in Data Mining**



**Prof. (Dr.) C. M. Choudhary**  
Convener, NCETCE-2011



*Success could give proud to person but efforts make a person great and distinguish, greater the efforts, greater would be the chances of reaching the goal.*

This conference aims to provide a stage for expert technical exchanges and exhibition regarding the advanced technologies, equipments, techniques and innovations applied in the field of Computer Engineering.



**Prof. (Dr.) S. C. Jain**

Department of Computer Engineering,  
Rajasthan Technical University, Kota

I'm never tired of saying it especially in forums like this- we are a country of huge divides. Most important is that we need to see to it that in our endeavors we do not end up in a situation where technology application in general.

The second session was chaired by Prof. (Dr.) S. C. Jain, Professor, Rajasthan Technical University, Kota. The session discussed topics about Image Processing and Network Security. We saw different presenters with different specializations.

**Sonal Gahlot** I.T.M. University, Gurgaon,  
Haryana, India

### **Image Processing with Remote Sensing**

This Paper gives one of the applications of Image Processing, key features and uses of Remote Sensing in this era.

**Priyanka Mangal**, Lecturer in Computer  
Science & Engineering Department,

Mandsaur Instititue of Technology,

Mandsaur (M.P.)

### **New Security Concept on Information Transfer in Network Security Using Security Tokens in Digital Signature**

Prof. (Dr.) Anil Chaudhary



# Wrap-Up and Valedictory Session

In the valedictory session key persons, practitioners and chair members share their experiences of the conference.

Certificate given ceremony was also held at the valedictory.

Prof. (Dr.) Anil Chaudhary also pointed out that the discussions and the deliberation in conference has shown new light and faith in the strength of partnerships and collaborations for development at a broader level.



*A detailed report, summary of the key sessions and the presentations will soon be made available at*

*<http://www.skit.ac.in/ncetce2011.html>*



Prof. (Dr.) Sudhir K. Calla (Principal, SKIT)





**Summary:** A National Conference was organized in SKIT under the co-Sponsorship of Computer Society Chapter IEEE Delhi Section on “Emerging Technologies in Computer Engineering (NCETCE-2011) with great pomp and show. Every a joinery begins with a just step and the organizing team also started its work long back to make the conference a huge success. Shri Rajendra Bhanawat Managing Director RIICO acted as a Chief Guest.

The inaugural session was taken up by the lightening up of the lamp under the bestowed blessing of Swami Keshwanand Ji and Maa Sarswati. After offering prayers Shri Surja Ram Ji Meel, Chairman of SKIT, welcomed the present delegates high esteemed guests faculty members and students. After the floral welcomes, Dr S. K. Calla, principal SKIT, gave a brief introduction about the conference. There were invited talks from the honored guests from all over the country.

In Technical Session - I Chairperson Prof. (Dr.) R. K. Joshi from Department of Computer Science & Engineering, IIT Bombay, delivered an expert talk in the themes of Web Applications and Security, Data Mining and Database Systems, Artificial Intelligence & Fuzzy Logic, Second invited talk delivered by Chairperson Prof. (Dr.) S. C. Jain from RTU Kota discussed the themes like Image Processing, Network Security, etc. This was followed by lunch and then technical session and commenced by expert talk by Shri A.S. Bhatnagar Vice President HCL Technologies Noida. Simultaneously Mr. Sanjeev Jain from Infosys Technologies delivered and invited talk the conference witnessed around 83 technical papers from all over the country.

