Sarvajanik Education Society

Sarvajanik College of Engineering & Technology, Surat.

Master of Computer Application Department

Report on

NATIONAL CONFERENCE
RECENT TRENDS IN COMPUTER AND COMMUNICATION TECHNOLOGY
(RTCCT 2016)

Dates:	**10th and 11th May 2016**
Hosted by:	**MCA Department**
Technical Sponsors:	**Computer Society of India**
Patron:	**Dr Vaishali Mungurwadi (Principal, SCET)**
Program Co-Chair:	**Prof Gayatri Kapadia (HOD, MCA Department)**
Organizing Chair:	**Dr Maulin Joshi (Dean Academics, SCET)**
Technical Chair:	**Dr S. V. Patel (Professor, MCA Department)**
Publication Chair:	**Prof Prashant Keswani (Assistant Professor, MCA Department)**

Master of Computer Application Department in association with Computer Society of India organized National Conference on **RECENT TRENDS IN COMPUTER AND COMMUNICATION TECHNOLOGY** RTCCT 2016 which accolade huge success. RTCCT 2016 aimed to gather technocrats from different states of India on a common platform to promote research activities in all fields of Computer Science & Engineering. The objectives of this conference were to explore and discuss upcoming trends in the field of Computer and Communication Technology.

The papers were invited in following three tracks (but not limited to):
A) Networking, Security& Distributed Computing
B) Artificial Intelligence & Soft Computing
C) Wireless Communications & Signal Processing

Total of **65** papers were submitted to RTCCT 2016 and finally after blind peer review and plagiarism check **48** papers were accepted. The accepted and presented papers presented in the conference are published in Conference Proceedings with **ISBN NO: 978-9-35-258824-4** and are available in CSI Digital Library.

The two days of colossal exchange involved around **70**+ participants. **42** authors had registered and had presented their technical papers in the conference in paper presentation sessions. There were total 5 sessions across with diligent Session Chairs evaluating and showing future directions to the young research fraternity on both days.

DAY 1: 10th May 2016, Tuesday

Inaugural Ceremony

The dawn of the National Conference embarked with Inaugural Ceremony on 10th May 2016. The welcome address to the delegates of the conference and researchers was delivered by Dr Vaishali Mungurwadi, Principal, Sarvajanik College of Engineering and Technology. The dignified Chief Guest for the Inaugural Ceremony was Dr Sanjay Chaudhary, Professor and Associate Dean, Ahmedabad University. Dr S V Patel Sir introduced about the journey of the National Conference to the audience. His talk highlighted the thump "*Research is to see what everybody else has seen and to think what nobody else has thought*". Dr Maulin Joshi articulated the two days schedule of the conference to the participating audience. We were blessed to have Dr Sanjay Chaudhary as our esteemed guest for the day. A man of this cadre required no words of introduction. But to brief up our audience with this high profile, Prof Prashant Keswani presented his introduction. Dr Sanjay Chaudhary enriched the audience with his worthy words of wisdom towards recent trends in information technology and communications. RTCCT 2016 was technically sponsored by Computer Society of India. Prof Niteen Patel provided glimpses of work that is done by CSI towards the enhancement and development of faculties, industries and academia in India. Shri Yatish Parekh conveyed his regards towards the successful endeavor of the National Conference to RTCCT 2016 Team. The dignitaries on the Dias launched the Proceedings of National Conference on Recent Trends in Communication and Technology 2016. To clinch the Inaugural Ceremony, Prof Gayatri Kapadia presented a vote of thanks to all those who contributed towards RTCCT 2016.

Keynote Talk by Dr Sanjay Chaudhary

The Journey of knowledge acquisition began with first Expert Talk by Dr Sanjay Chaudhary. His topic of talk was "*Data Analytics: Technologies, Current Trends and Research Opportunities*". His talk revolved around Mathematics, Algebra, Descriptive Techniques, and Forecast Based Modeling that can be used for data analytics. He also summoned importance of Data Analytics in the field of Optimization Techniques, Portfolio

Management, Risk Analytics, Digital Forensics and Security. His talk concluded the importance of Data Analytics, Data Scientist and Big Data and the way they are interwoven in this era.

Expert Talk by Dr Mehul Raval

The next session was conducted by very interesting and avid speaker Dr Mehul Raval, Associate Professor at Institute of Engineering and Technology from Ahmedabad University. His topic of discussion was "***Digital Video Forensics: Description based person Identification***". He presented the idea of how to identify a person in unconstrained surveillance video stream based

on soft biometrics. He voiced how the fusion of conventional biometrics with soft biometrics can prove an edge better in identification of a person. He envisaged the idea of creating an AVTAR to identify a person based on height and culture color, searching him in a pre-set video. His talks opened the new avenues in research areas that will use a combination of conventional and soft biometric techniques. He concluded with his note on integration and minimization of semantic gap between human description and soft biometric traits with the use of human cognitive perceptions.

Technical Sessions Day 1

After these two roller coaster rides of information drill, there were three Technical Sessions which augmented research aptitude. The details of the sessions are as under:

1. Technical Session I (*Track C - Wireless Communications and Signal Processing*) at N.J. Seminar Hall chaired by Dr. Upena Dalal, Electronics Engineering Dept., SVNIT. Total 8 papers were presented by the authors in this session.
2. Technical Session V (*Track A & B*) at MCA LAB chaired by Dr. Jatinder Saini, MCA Department, NCCA. Total 5 papers were presented by the authors in this session.

Expert talk by Dr Bhushan Trivedi

Second day of the conference had versatile speaker Dr Bhushan Trivedi from GLS University, Ahmadabad, who with his vivacious knowledge captivated the hearts of the delegates and students present in the conference. His talk was on "***How Machine Learning is useful for the Research***". He presented his thoughts on how machine learning is useful in predicting patterns in various aspects converging Mother Nature. Machine Learning is used by Medical Science to predict diseases, health concerns and unseen threats to livings. His talks made the audience aware of various aspects of Machine Learning applications in the field of Astronomy, Security, Speech Recognition, Natural Language Processing, Urban Planning and Forecasting Election Polls. The ideas presented by him spurred a research dimension amongst the delegates and students present in the conference.

Technical Sessions Day 2

Second day also researchers showcased their thrust areas of research in various Technical Sessions

1. Technical Session II (*Track A - Networking, Security & Distributed Computing*) at N. J. Seminar Hall chaired by Dr Ravi Gulati, Associate Professor, VNSGU. Total 8 papers were presented by the authors in this session.
2. Technical Session III (*Track B - Artificial Intelligence & Soft Computing*) chaired by Dr. Sankita Patel, Computer Engineering Dept., SVNIT. Total 8 papers were presented by the authors in this session.
3. Technical Session IV (*Track C - Wireless Communications and Signal Processing*) ME II Class Room (F – 106) chaired by Dr. Jignesh Sarvaiya, Electronics Dept., SVNIT. Total 6 papers were presented by the authors in this session.

The two days of the National Conference had seen a colossal exchange of information amongst the participants, registered authors and researchers. Research, can be thought of as big blank canvas and this conference has helped the researchers throw as much paint as they can on this canvas with their ideas and visions. The two days of the conference provided a concrete platform for exchange of ideas and has visualized high waves of information flooding amongst research fraternity.

We, the organizing committee of RTCCT 2016 appeal to the researchers, the delegates and eminent speakers to value and uphold this intrinsic enthusiasm towards the contribution of Computers and Communication Technology.

Happy Researching ….