

A Report
on
National Conference on Recent Advances in Computer Science &
Technology (RACST-2016)
In Association with Computer Society of India
4th – 5th October 2016

Department of Computer Engineering Department, G. H. Patel College of Engineering & Technology organized a National Conference “Recent Advances in Computer Science & Technology (RACST-2016)” in association with Computer Society of India on 4th -5th October, 2016.

The aim of organizing the conference was to gather the academia with a common interest and exchange the most cutting-edge ideas in the field of Computer Science & Technology.

The conference was inaugurated by Dr. C. L. Patel, Chairman, Charutar Vidya Mandal and Dr. Himanshu. S. Mazumdar, Professor, EC and Head, R& D center, DDU, Nadiad. Shri. S. G. Patel, Hon. Secretary, CVM, Shri V. M. Patel, Hon. Joint Secretary, CVM, Dr. N. D. Jotwani, Founder Principal, GCET and Visiting Professor, DAIICT, Gandhinagar. Dr. Himanshu Soni, Principal, GCET, Dr. Maulika S. Patel, Head, Computer Engineering Department, GCET, Convener of the conference and Organizing Secretaries of the Conference, Prof. Hetal Gaudani and Prof. Priyang Bhatt were also present. Off the dais dignitaries included Prof J. C. Panchal, Former Principal, GCET and Prof S. V Vaishnav, Founder Principal, ADIT.

The Inaugural Address was given by, Dr. H. S. Mazumdar. He highlighted the importance of interdisciplinary research and relevance of such conference in the present era. He later gave a keynote talk on Computational Intelligence for interdisciplinary research and highlights of the dry chemistry lab at DDU. Dr. N. D. Jotwani discussed the application of computer in designing a solar PV Pump controller. Dr. C. L. Patel gave his Presidential Remarks and blessed the organizers and the participants. The third keynote lecture was on The Keynote Lecture on "High Performance Computing" by Dr. Vibha Patel, Associate Professor, Nirma University, Ahmedabad.

On the second day there were two sessions on Image processing and Video manipulation by Dr Sumantra Dutta Roy, Associate Professor, IIT Delhi. The third session of the day was on “Some Technologies after 100 years: Trends and Impact” and “Big Data” by L. M. Patnaik, Adjunct Professor and INSA Senior Scientist at NIAS, IISc Bangalore. The last keynote talk was by Dr. Anish Mathuria, DAIICT, Gandhinagar on “Evolution of stack-based control hijacking attacks”.

Technical paper sessions were conducted on both days after the keynote talks. Total 20 papers were presented on various technical topics. The technical sessions were chaired by Dr. Darshak Thakore, Professor and Head, Dept. of Comp., BVM, V. V. Nagar, Dr. Priti Sajja, Professor, Post Graduate Dept. of Comp. Sci., SPU, V. V. Nagar and Dr. Narendra Chauhan, Professor & Head, Dept. of IT, ADIT, V. V. Nagar

The conference concluded with the valedictory and certificate distribution by Dr. Himanshu Soni and Dr. Anish Mathuria.

On 6th October, 2016, Dr. L. M. Patnaik had interaction with faculty members and discussed various areas on which research can be done. Also, the student's interaction session with Dr. L. M. Patnaik was arranged. He advised the students' to take internships at IITs and also prepare for public sector jobs. He also discussed the importance of the GATE exams. Dr Patnaik concluded by mentioning that both faculty and students need greater exposure to the outside world and organizing and attending such events are extremely useful.

4th October 2016		5th October 2016	
9:30 AM — 10:30 AM Registration and Breakfast		9:00 AM — 9:30 AM Breakfast	
10:30 AM — 11:30 AM Inaugural Ceremony		9:30 AM — 10:30 AM Keynote Lecture on Image Processing : Image based Rendering by Dr. Sumantra Dutta Roy, Associate Professor, IIT Delhi	
11:30 AM — 12:15 PM Keynote Lecture on Computational intelligence for interdisciplinary research by Dr. Himanshu Mazumdar, Professor and Head R&D Center, DDU, Nadiad		10:30 AM — 11:30 AM Keynote Lecture on Image and Video Manipulation : Hue Detection by Dr. Sumantra Dutta Roy, Associate Professor, IIT Delhi	
12:15 PM — 1:00 PM Keynote Lecture on Applications of Computer & Communication Technology in Solar PV Pump Controller by Dr. N D Jotwani, Founder Principal, GCET, and Visiting Professor, DAICT, Gandhinagar		11:30 AM — 1:00 PM Keynote Lecture on From Embedded to Cyber-Physical Systems: Perspectives and Challenges by Dr. L. M Patnaik, Adjunct Professor and INSA Senior Scientist at NIAS, IISc Bangalore	
1:00 PM — 2:00 PM Lunch		1:00 PM — 2:00 PM Lunch	
2:00 PM — 3:00 PM Keynote Lecture on High Performance Computing by Dr. Vibha Patel, Associate Professor, Nirma University, Ahmedabad		2:00 PM — 3:30 PM Keynote Lecture on Computer Security by Dr. Anish Mathuria, Professor, DAICT, Gandhinagar	
3:00 PM — 3:15 PM Afternoon Tea		3:30 PM — 3:45 PM Afternoon Tea	
3:15 PM — 5:15 PM Technical Session I Chaired By Dr. Darshak Thakore , Professor & Head, Dept. of Computer Engg., BVM, V. V. Nagar	3:15 PM — 5:15 PM Technical Session II Chaired By Dr. Priti Sajja , Professor, Post Graduate Dept. of Computer Science, SPU, V. V. Nagar	3:45 PM — 4:45 PM Technical Session III , Chaired By, Dr. Narendra Chauhan , Professor & Head, Dept. of IT, ADIT, V.V. Nagar	
		4:45 PM — 5:15 PM Valedictory and Certificate Distribution	

Schedule



Inaugural Ceremony:



Release of the proceedings



Dr. H S Mazumdar, Chief guest of the function



Dr. H B Soni, Principal, GCET, addressing the audience



Dr. C L Patel, Chairman, Charutar Vidya Mandal, giving his presidential remarks





Dr. H S Mazumdar is delivering a keynote talk on Computational Intelligence for Interdisciplinary research



Dr. N D Jotwani



Dr. Maulika S Patel, Dr L M Patnaik and Prof Brijesh Patel



Dr. Sumantra Dutta Roy



Dr. Anish Mathuria and Dr. L M Patnaik



Dr. Maulika S Patel and Dr. Vibha Patel



Dr Darshak Thakore, BVM and Prof Priyang Bhatt



Faculty members of the Computer Engineering Department, GCET



Organizing Team – RACST 2016
