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A Report on
National Conference on Advance Research Trends in Information and Computing Technology
Organized by
Information technology Department, L. D. College of Engineering, Ahmedabad-15
Held on 20th January 2018

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Information technology Department of L. D. College of Engineering has organized one day "National Conference on Advance research trend in information and computing Technology - NCARTICT-2018 on 20th January 2018 in association with L.D.Alumni Association ,GUJCOST & IJSRSET - International Journal of Scientific Research in Science, Engineering and Technology.

Dr. H.M.Diwanji, Head of information technology Department, L D Engineering College was Coordinator and Dr. M.C. Parikh was co-coordinator of this conference. Dr. G. P. Vadodariya, Principal of L D Engineering College was patron of this Conference.

The objective of the Conference was to provide an intellectual forum for exchange of knowledge and information in relation to latest developments in the field of information & computing Technology and to provide a platform for academicians, research scholars, practicing managers and students to develop, contribute and present technical papers in Engineering field. The event helped in bringing together experts from industry and academia to meet, discuss, and share views and experiences on various recent technical topics and challenges of today's world.

Dr. Sanjay Chaudhari (Dean, Ahmedabad University), Dr. Amit Ganatra(Dean, Changa University) ,Dr. Priyanka Sharma (Professor & Head (IT & Telecommunication Department , Raksha Shakti University) Prof B.V.Buddhdev (Head of Computer Department , Government Engineering College,GEC-28) , Prof. Usha Nilkanthan , Head of EC Dept, L D Engineering College , Dr. Atul Soni (vise-president of L.D.Alumni Association) were invited as a special guest in this conference.

Conference inauguration:

Dr. Sanjay Chaudhary (Dean, Ahmedabad University) delivered talk on "research advances in cloud computing" and Dr. Amit Ganatra(Dean, Changa University) delivered talk on "Deep learning". The conference received papers from various parts of country including Uttarpradesh,

technical institute from Andhrapradesh also from various technical institutes of Gujarat including Rajkot, Modasa, and Bhavnagar. More than 50 papers were received from various degree/diploma engineering colleges from different disciplines and industries, out of which 40 papers were selected.

Keynote session:

Dr .K. G. Maradiya, Head of EC Dept, Government Engineering College, Gandhinagar and Prof. Usha Nilkanthan madam, Head of EC Dept, L D Engineering College and Dr. Sanjay Chaudhari (Ahmedabad University), DR. amit Ganatra(dean of Changa university) by Prof Priyanka Sharma (Dean of Rakhashakti University) Prof B.V.Buddhdev(Head of Computer Department , Government Engineering College,Gandhinagar were invited as a session chair in this conference and gave their valuable inputs to participants and appreciated efforts of the participants in presenting research papers.

Conference has been categorized in four tracks Security, Image processing, Data Mining and Cloud Computing.

Track 1: Prof S.M.Shah(Professor & Head, Computer Department,GEC Modasa) and Prof. Priyanka Sharma(Director, research, Rakshashakti University). The research scholars presented papers based on security area. The topics discussed were how to do Authentication of RFID Devices Using Elliptic Curve Cryptography, Ranking Model for Higher Education Institutes, Multiple Image Encryption Using Chaos Based algorithms And DNA Computing. ng.

In Track 2, Prof. Sanjay Chaudhari(Professor, & Dean, Ahmedabad University) and Prof B.V.Buddhdev(Professor & Head,Computer Department,GEC sec-28) reviewed papers based on

Cloud Computing and Machine Learning. In these track researchers discussed their research on topics like, Recommendation Engine for Mobile-Commerce Product using Heuristic Algorithm, Cloud Management using Network Function Virtualization to increase Service agility, Machine learning algorithms for dynamic resource pricing in Cloud..

Track 3 was reviewed by Prof Amit Ganatra(Professor & Dean, Changa University). Participants of this track covered the discussion about Impact of Demogrpahic Factors on Payment Method Chosen by Indian Consumer using ANOVA, Machine Translation Using Deep Learning, IoT Frameworks for Smart Water Metering..

In Track 4, jury members were Prof Usha Nilkanthan(Professor & Head, EC Department,L.D.College of Engg) and Prof Kishor Maradiya(Professor & Head, EC Department,GEC sector-28). In this track scholars presented their research on detection of illegally parked vehicle in no parking area, Hand Gesture Recognition System For Human Computer Interaction(HCI) using Reduced Shape Signature(RSS), Decision Support System for reducing Post-harvest loss in Supply Chain Logistics using geographical Information System in Agriculture.

In this conference, total 40 papers were presented and published in NCARTICT-2018 proceeding. The best paper award was given in each track as follows:.

Sr.No	Track	Title Of Paper	Author Name
1	Security	Critical Analysis of Cryptography and Steganography	Alpa Agath
			Chintan Sidpara
			Darshan Upadhyay
2	Image Processing	A Survey On Hand Gesture Recognition System For Human Computer Interaction(HCI) using Reduced Shape Signature(RSS)	Nirali Patel
			Swati Patel
3	Data Mining	Survey of IoT Frameworks for Smart Water Metering	Urja Mankad
			Harshal Arolkar
4	Cloud Computing	Recommendation Engine for Mobile-Commerce Product using Heuristic Algorithm	Shanti Verma
			Kalyani Patel

Overall, though this has been the first time initiative by IT department, the knowledge exchanged and gained is considered to be in terms of factorial. The conference has put many open points for researchers, which they can further explore and can formulate efficient algorithms or may build a prototype which further can be useful to community and society and build a stronger nation.