Brief Report

on

International Conference on Emerging Trends in Communication, Control and Computing (ICONC3-2020)

&

CSI-National Student Convention

February 21- 22, 2020

Organized by:

SET, Mody University of Science and Technology,

Lakshmnagrah , Sikar, Rajasthan

Sponsored By:

IEEE; IBM, India; CSIR, Govt. of India; IETE, India; IET, India; CSI, India

and

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The School of Engineering and Technology (SET), Mody University of Science and Technology, Lakshmangarh has organized two day International Conference entitled *"International Conference on Emerging Trends in Communication, Control and Computing (ICONC3-2020)"* & *CSI-National Student Convention* during 21-22 February, 2020 .The two day mega event had involvement of around 650 delegates, encompassing of National and International pursuits, academia, persons from reputed industries and students.

The conference was inaugurated in Swami Haridas Sabhagar with lamp lighting and garlanding ceremony of Goddess Saraswati followed by University's theme song. The inaugural function was fascinated by the presence of renowned and eminent persons, chief guest Prof. K. K. Aggarwal, Chairman, National Board of Accreditation, New Delhi, Guest of Honor- Prof. A. K. Nayak, President-Computer Society of India, Guest of Honor, Professor Narendra S. Chaudhary, Vice Chancellor, Uttarakhand Technical University, Dehradun, Professor Kamesh Namudri, University of North Texas-Denton, USA, Prof. Girish Kumar, IIT Bombay, Prof. Ramzi A. Haraty, American Lebanese University, Lebanon, Mr. Rajib Bose from IBM, Conference chairman Prof. V. K. Jain, Dean-Academics, Mody University of Science and Technology, Conference Convener & Head, Dept. of ECE, Dr. Rajeev Pourush & Dr. Anand Sharma, SBC CSI Student Branch.

The conference formally begun with the opening remarks of Prof. V.K.Jain, Respected Chairman of the conference & Dean-Academics, Mody University of Science and Technology, Lakshmangarh. He has shown his gratitude towards the chief guest Prof.

K.K.Agarwal, Guest of Honors and other dignitaries. In his opening remarks, Prof. Jain has enlighten the audience about the theme and prominent challenges prevailing in the domain of Communication, Control and Computing. Prof. V.K.Jain, comprehend the august gathering, not only with the necessity of such conference & convention in the current era but also with the series of events going to be held during the conference & convention. In his introductory address, Prof Jain mentioned that, in order to foster the research culture among academia and student, the conference and convention is encompassing various competitions viz Mody University Young Teacher Award-2020, Best Ph.D. Thesis competition, Best M. Tech. Thesis competition, Best Alumni Research Paper Award, Best Research Paper Award in each track, IOT Workshop, Hardware Model Presentation, Software Presentation, Coding Competition, Poster Presentation , Student Paper Presentation, Web Designing Contest and Application Development Contest . Prof. Jain also mentioned that such competitions are necessary for levitating the level of enthusiasm and proliferating the zeal of research among academia and students.

The Chief Guest Prof. K. K. Agarwal, Guest of Honor Prof. A. K. Nayak and Prof. N. S. Chaudhary has also enlightened the august gathering with their valuable words of wisdom and shared their experiences.   The souvenir of the conference was also released in the inaugural function.

Prof. V.K.Jain embellished Prof. K.K.Agarwal with Shawl, Shriphal , Srimad Bhagwat Geeta and Memento as a token of remembrance. Prof. V. K. Jain has presented Srimad Bhagwat Geeta and Memento as a token of remembrance to our guest of honor Prof. A. K. Nayak. Dr. Rajeev Pourush, convener of the conference has presented Srimad Bhagwat Geeta & Memento as a token of remembrance to the guest of honor, Dr. Narendra S. Chaudhari. Dr. Rajeev Pourush has presented a bouquet as a token of remembrance to our guest of honor Prof. A.K.Nayak. Prof. A Senthil, HOD, CSE dept, has presented a bouquet to Mr. Rajib Bose. Dr. Sandeep Jaiswal, HOD Biomedical Dept. has presented a bouquet to Prof. Ramzi A. Haraty, Dr. Praneet Saurabh of CSE Dept. has presented a bouquet to Prof. Girish Kumar and Dr. Anand Sharma, SBC CSI Student Branch has presented a bouquet as a token of remembrance to Prof. Kamesh Namuduri.

The inaugural session ended with the vote of thanks, presented by Dr. Rajeev Pourush. Thereafter, everyone was requested to proceed for high tea and group photograph outside Swami Haridas Sabhagar.

In the subsequent session of keynote addresses, Prof. Girish Kumar , shared his words of wisdom on the topic *"Cell Phone/Tower Radiation Hazards And Solutions"*, Prof Kamesh Namudri delivered his thought provoking talk on *"Safe and Trusted Unmanned Air Transportation"*, Our Industry expert, Mr. Rajib Bose from IBM has delivered his extensive talk on *"Computing 2"*.

After a lavish lunch at the university's dining hall, everyone proceeded to either witness or to participate in various competitions. There were ten parallel technical sessions in conference comprising various competitions namely Mody University Young Teacher Award, Best Ph.D. Thesis Award, Best M. Tech. Thesis Award, Best Alumni Research Paper Award, Best Research paper award in each tracks were executed at various places of Acharya Brahaspati Building of the University . Under CSI-NSC events Eleven parallel sessions like IOT Workshop, Hardware Model Presentation, Software Presentation, Coding Competition, Poster Presentation , Student Paper Presentation, Web Designing Contest and Application Development Contest were conducted. In which all the participants put their efforts in competing with each other. Every session was judged by a panel of internal and external experts.

The event wise winners in CSI events were as follows:

Sr.No.	CSI Events	Winner	I[st] Runner-up	IInd Runner-up
1	Best hardware Project/Model presentation	Team : "SillyT" Mr. Himanshu Khatri, Mr. Hrithik Gautam, Mr. Sourav Solanki, Engineering College Bikaner, *Cash Prize*: Rs. 7000/-, Memento & Certificate	Team : "Ardot" Ms. Shrinkhala Singh Chauhan, Ms. Vanshika Bhargava, Ms. Riya Sinha, Mody University, *Cash Prize*: Rs. 5000/-& Certificate	Team: "Girls on Mission" , Ms. Shrishti Singh, Ms. Astha Mishra, Ms. Shambhavi Shukla , Ms. S. Matthews, Mody University , *Cash Prize :Rs*. 3000/- & Certificate
2	Best Software Project	Team: "VisionAR" Ms. Gargi Patel, Ms. Rishita Mathur and Ms. Anshita Laddha, Mody University. *Cash Prize: Rs*. 3000/- , Memento & Certificate.	Mr. Suyash Gupta , CET, Bikaner. *Cash Prize* : Rs. 2000/- & Certificate	Team :"Conquerors" Ms. Ekta Verma, Ms. Kishita Sureka, Mody University, *Cash Prize: Rs*. 1000/- & Certificate
3	Coding Competition	Ms. Sukriti Shah, Mody University. *Cash Prize:* Rs. 3000/-, Memento,& Certificate	Ms. Sanskriti Bansal , Mody University, *Cash Prize:* Rs. 2000/- & Certificate	Ms. Teena Taneja, CET, Bikaner *Cash Prize* : Rs. 1000/- & Certificate
4	Application Development Contest .	Team: "Tech Army" Ms. Minal Chandak, Ms. Shalu Upadhyay , Ms. Shivangi Mathur, Mody	Team :"DART" Ms. Aaradhya Shukla, SRM Chennai , Ms. Purvasri Das, Mody University *Cash Prize:* Rs. 2000/- &	Team: "Deja-Vu" Ms. Devyani Singh , Ms. Sneha Dujania, Mody University, *Cash Prize*: Rs. 1000/- & Certificate

		University. *Cash Prize:* 3000 /- , Memento & Certificate	Certificate	
5	**Web Designing Contest.**	**Team :"Rajshri",** Ms. Anushri, Ms.Raj Lakshmi, Mody University, *Cash Prize: Rs.* 3000/-, Memento & Certificate	**Team : "Web Buzz "** Ms. Ritika Mittal, Ms. Priyanka Gupta, Ms. Sanya Singh, Mody University. *Cash Prize* :Rs. 2000/- & Certificate	**Team : "Muggles"** Ms. Purvi Jain, Ms. Kashish Khare, Ms. Vidhi Agarwal, Mody University, *Cash Prize* : Rs. 1000/- & Certificate
6	**Poster Presentation**	**Team: "Tech3"** Ms. Anika Srivastava, Ms. Anjali Sharma, Ms. Rhythm Kaistha, Ms. Parul, Mody University, *Cash Prize: Rs.* 3000/-,Memento & Certificate	**Team: "Innovation Geeks"** Ms. Lipi Sharma, Ms. Ira Kaushik, Ms. Shubhangi Verma, Mody University. *Cash Prize* :Rs. 2000/- & Certificate	**Team: "Peace"** , Ms. Manvi Jain , Ms. Nandini Jhajhria, Mody University, *Cash Prize* : Rs. 1000/- & Certificate
7	**Paper Presentation**	Ms. Jeeya Chouhan and Ms. Saumya Saraswat, Mody University, *Cash Prize:* Rs. 3000/-, Memento & Certificate	Ms. Shatakshi Singh, Mody University, *Cash Prize:* Rs. 2000/- & Certificate	Ms. Vatsala Singh , Mody University, *Cash Prize:* Rs. 1000/- & Certificate
8	**ICT Quiz**	Mr. Shailendra Singh Rathore, CET, Bikaner *Cash Prize*: Rs. 3000/-,Memento & Certificate	Mr. Suyash Gupta, CET, Bikaner , *Cash Prize:* Rs. 2000/- & Certificate	Ms. Teena Taneja, CET, Bikaner, *Cash Prize* : Rs. 1000/- & Certificate

We have received more than 150 full length papers in this conference. All the submissions were underwent the peer-review process which comprised expert reviewers. The entire process, which includes the submissions, review and acceptance processes was done electronically. Total 75 papers were registered and selected for presentation in to the various conference tracks as follows:

Track 1 was **Circuits & Systems (ECE-1)** in which 14 papers were registered

Track 2 was the combination of theme like *Microwave and Antennas*, *Communication Technologies and Signal Processing* in which 10 papers were registered. Track 3 was **Network and Computing- Cloud Computing & IoT (CSE-1)**, 12 papers were registered. Track 4 was **Network and Computing- Big Data Analytics & Machine Intelligence (CSE-2)** in which 11 papers were registered, In track 5

Network and Computing- Parallel & Distributed Computing, Networks Security (CSE-3): 10 papers were registered for presentation and In Track 06: **Control Systems & Instrumentation (EE):**10 papers were selected for presentation. In order to recognize the quality work, we have kept best paper award in each track.

The winner of each track was as follows:

S. No.	Award Category/Track Name	Winner	Paper-Id	Prize
1	Young Teacher Award Competition	Dr. Nitin Kumar, NIT Uttrakhand	Not Applicable	Rs. 11000, Memento & Certificate
2	Best Ph.D. Thesis Award Competition	Dr. Rajashree Taparia, Rajasthan Technical University, Kota	Not Applicable	Rs. 5000, Memento & Certificate
3	Best M.Tech. Dissertation Award Competition	Ms. Sonal Shukla, Mody University, Lakshmangarh	Not Applicable	Rs. 3000, Memento & Certificate
4	Best Alumni Award Competition	Ms. Palak Handa, Indira Gandhi Delhi Technical University for women, New Delhi	48	Rs. 3000, Memento & Certificate
5	Best Paper Award Competition (Track 1: ECE-1)	Ms. Samridhi, Banasthali Vidyapeeth, Banasthali	125	Rs. 2000, Memento & Certificate
6	Best Paper Award Competition (Track 2: ECE-2)	Ms. Manisha Rawat, NIT Uttrakhand	161	Rs. 2000, Memento & Certificate
7	Best Paper Award Competition (Track 3: CSE-1)	Mr. Siddhanta Kumar Singh, Mody University, Lakshmangarh	36	Rs. 2000, Memento & Certificate
8	Best Paper Award Competition (Track 4: CSE-2)	Mr. Sourav Kaity, DRDO	124	Rs. 2000, Memento & Certificate
9	Best Paper Award Competition (Track 5: CSE-3)	Dr. Jayanta Mondal, Mody University, Lakshmangarh	184	Rs. 2000, Memento & Certificate
10	Best Paper Award Competition (Track 6: EE)	Dr. Rajashree Taparia, Rajasthan Technical University, Kota	18	Rs. 2000, Memento & Certificate

After the technical sessions, the delegates proceeded for high tea followed by an entertaining cultural programme. The students of SET have given mesmerizing performances encompassing solo dance, solo singing, group dances of different Indian states, duet dance, mime and group singing. The entire gathering of students and experts have enjoyed a lot and appreciated the efforts of SET students. The cultural programme was ended with the National Anthem.

Finally, the galaxy of experts and all registered delegates have enjoyed Conference's Gala Dinner at Hotel Vinayak Resorts, Lakshmangarh.
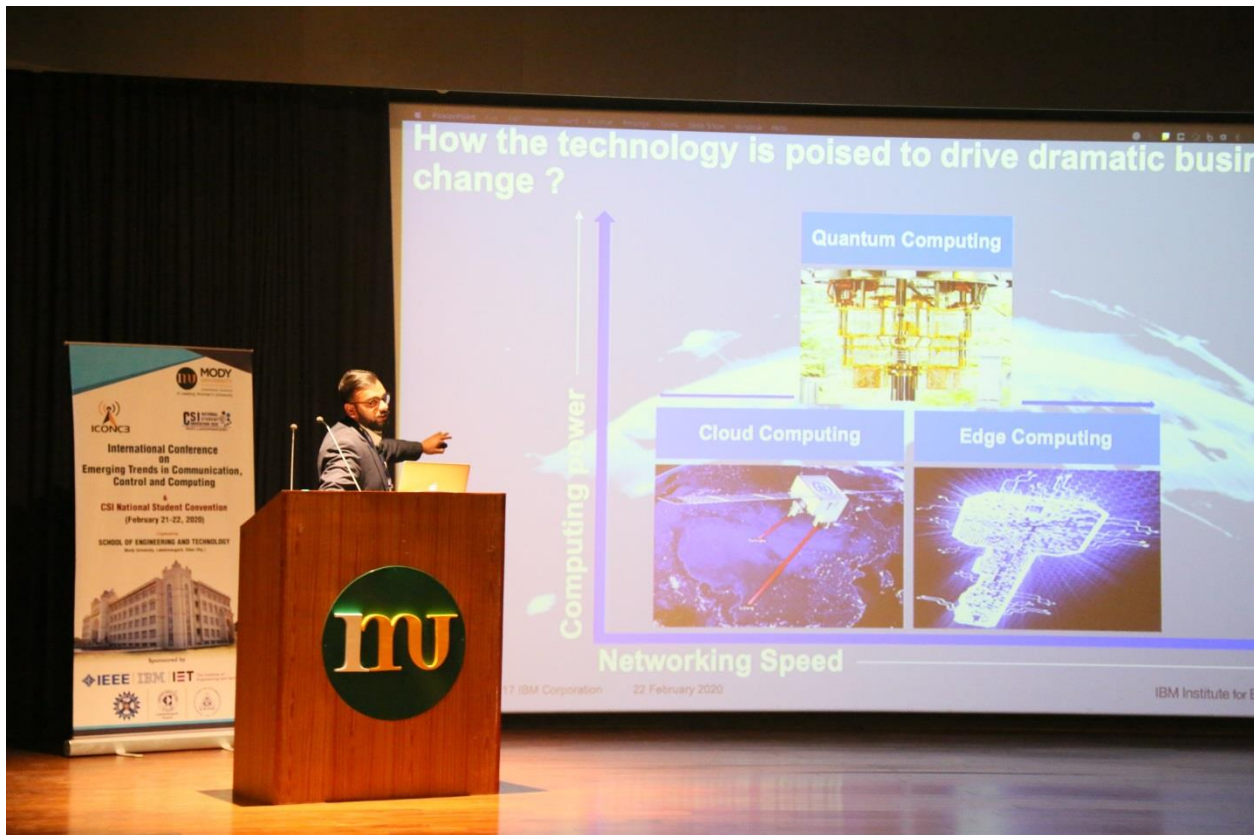
At this juncture, the first day which was full of thought provoking activities was came to an end.

The second day (22 February, 2020) of the conference (ICONC3-2020) & CSI-NSC was begun with the session of keynote address in which customary felicitations of our guest with Bouquet, Memento and Srimad Bhagwat Geeta was done. The first keynote address of the day was given by Prof. Ramzi A. Haraty, from American Lebanese University, Beirut, Lebanon, who has delivered his vibrant talk on *"Information Warfare: Towards Efficient Information Reconciliation in E-Healthcare Systems"* .The next keynote speech was addressed on *"Imaging, Communication and Energy Technologies"* by eminent academia Prof. Sandeep Sancheti, Vice-Chancellor, SRM Institute of Science and Technology, Chennai. The third keynote speech was delivered by Prof. D. K. Chaturvedi, Dayalbagh Educational Institute, Agra on the much sought

after topic entitled **"*Seven Ages of Substances and what is Next*"**. The last keynote speech was delivered by our distinguished expert from the industry Mr. Saurav Shekhar from IBM on the contemporary topic entitled **"*To & For future businesses – Networking & Computing*"**.

Afterwards, the brainstorming session of panel discussion was begun, Dr. Mahesh Bundele, Principal and Director, Purnima College of Engineering, Jaipur, Dr. Mukul Verma from IET, Prof. Kamesh Namudri of UNT, USA, Mr. Pradeep Rathi, VP- CSI, Dr. Rohit Bhakar, MNIT Jaipur, Professor Vijay Janyani, MNIT Jaipur and Dr. A. Senthil of Mody University deliberated on the theme *"Smart Technologies for Future Advancements"* which ignite to young scientist and engineers. The discussion was followed by the question and answer session.

The results and discussions had been very fruitful to the entire fraternity of academia. After a two days rigorous schedule and enthusiastic participation in brainstorming, The conference had reached to its last and final session which we had celebrated as a valedictory ceremony. The session was begun under the blissful presence of distinguished Chief Guest Prof. Sandeep Sancheti, Vice-Chancellor, SRM Institute of Science and Technology, Chennai and Honorable Patron of the Conference Prof. M. Venu Gopal Rao, Director, Mody University of Science and Technology. The other members on the dais were Chairman of the Conference, Prof. V.K.Jain, Guest of Honour, Prof. Kamesh Namudri, University of North Texas, USA and Guest of Honour Prof. Ramzi A. Haraty, American Lebanese University, Lebanon, Prof. R.K.Vyas, Vice President, Computer Society of India, Prof. Jayant Bhide, Computer Society of India, Conference Convener, Dr. Rajeev Pourush and SBC CSI Student Branch, Dr. Anand Sharma.

The Valedictory ceremony started with the felicitation of Chief Guest, Prof. Sandeep Sancheti and other guest on the dais with a bouquet. A brief session report on ICONC3-2020 and CSI-NSC was presented by Conference Convener, Dr. Rajeev Pourush. After presenting the Awards to the winners of various categories, a few of them shared their experience and feedback about the conference. Patron of the conference, Prof. M. Venu Gopal Rao, Director, Mody University of Science and Technology, has welcome the Chief Guest, other guests and participants of the conference & convention. He congratulated all the Award Winners who took part in various technical sessions of conference & convention. He also congratulated the Chairman of the conference and other members of organizing committee for successfully organizing the event. Prof. Sandeep Sancheti congratulated all the delegates for their contribution in the conference and convention and all the award recipients for various technical sessions and encouraged them to excel in the career.

Guest of Honour, Prof. Kamesh Namudri, and Guest of Honour Prof. Ramzi A. Haraty, Prof. R.K.Vyas, Vice President, Computer Society of India, have also shared their splendid views and feedback about the conference and convention.

Prof. V.K.Jain, Conference Chairman & Dean-Academics, presented the closing remarks. Prof. Jain has expressed his gratitude towards all the experts, who came from abroad as well as from various states of India. He has also expressed his thanks to the researchers and authors who submitted overwhelming numbers of papers for the conference. Prof. Jain has also congratulated the organizing committee members for making the event a grand success.

Dr. Rajeev Pourush, Conference Convener, felicitated the Chief Guest, Prof. Sandeep Sancheti, by presenting Bouquet as a token of remembrance. He felicitated the Guest of Honor, Prof. Kamesh Namudri with the Bouquet, Memento and Shrimad Bhagwat Geeta. Dr. Anand Sharma felicitated the Guest of Honor Prof. Ramzi A. Haraty with the Bouquet Memento and Shrimad Bhagwat Geeta.

Prof. M. Venu Gopal Rao, Director, Mody University and Prof. V. K. Jain, Dean-Academics, Mody University, presented Shawl, Shreefal, Memento and Srimad Bhagwat Geeta to Chief Guest Prof. S. Sancheti . After Vote of thanks by Dr. Anand Sharma, the valedictory ceremony ended with National Anthem and Group Photo session.

The conference was financially sponsored by CSIR, IBM, IET, IETE, CSI and SGB Infra Ltd. It was technically sponsored by IEEE. Because of their cooperation and external support, we had realized the significant outcomes of the conference.

Thank You