

THE DETAILED REPORT OF DELCON2022 #54057

Virtual maiden conference DELCON2022 IEEE ID no #54057 was hosted by the IEEE Delhi Section and Netaji Subhas University of technology in online mode.

DELCON, the IEEE Delhi Section International Conference 2022 is the finest international conferences of Delhi Section covering broad topics in the areas of Electrical, Computer, biomedical and Electronics Engineering. Special WIE session was also planned. Hereon, DELCON will be organized annually at various locations in Delhi Section. This conference is intended to provide an excellent platform for researchers to present their work and will be known as the Delhi-section conference.

We received total 800 papers from all over the world making it truly international. We have received a number of papers from Many universities of US, France, Sweden, Egypt, UAE, Bangladesh, Iraq, Iran, Oman, Somalia, Japan, China, Tunisia, Great Britain, Indonesia, Nepal, Turki, UAE Kenya and Jordan, in all 70 papers from outside India. Out of 800 submissions, 380 papers were accepted and finally 338 papers were registered for presentation in 54 sessions of this three-day conference. In this virtual conference, we asked for pre-recorded videos from authors, that were played during the sessions in the presence of authors by our volunteers. All accepted & successfully presented papers of the conference authors were submitted to IEEE Xplore for publication within the stipulated time.

Eleven Plenary speakers, Dr S N Singh, Prof Mini S Thomas, Dr Sanjay Agrawal, Dr Suresh Nair, Mr Deepak Mathur, Eminent speakers under SPAX activity, participants from 15 countries, Research Scholars and students of UG and PG and session chairs attended this three days conference. We are fortunate enough to be the founder team supported by IEEE Delhi Section, Netaji Subhas University of technology, and our sponsors, IEEE Industry Applications Society, IEEE Control systems society and IEEE MGA SAC-SPAX, PPS international, and TITAGARH.

IEEE DELCON 2022 witnessed a total of 8

tracks (Finally 336 papers were presented)
Data Science and Advance analytics total papers-38 (sessions DSA1 to DSA5)
Cloud and Big Data Computing total papers-41 (sessions CBC1 to CBC5)
Communication and Information Technology total papers-41 (sessions CIT1 to CIT5)
VLSI Technology and Embedded Systems total papers-54 (sessions VES1 to VES7)
Power Energy and Power Electronics total papers-104 (sessions PEP1 to PEP13)
Intelligent Control Systems total papers-25 (sessions ICS1 to ICS4)
Biomedical Engineering and Healthcare Technology total papers-49
Special Track WIE total papers-27

As the process of paper submission, we were fortunate to have the support of EDAS, an integrated solution with the IEEE electronic copyright form submission system, allowing authors to file copyright forms electronically.

And we are pleased to share that each paper presented during the conference was thoroughly reviewed by at least 3 reviewers, giving their point of view and sharing their ideas and thoughts. We would like to thank all the reviewers and authors for their active participation and making this conference a huge success.

In the three days from 11th to 13th Feb'2022, 338 papers were Registered and 336 were presented in presence of session Chairs who have interacted with the authors for betterment of their research.

We would like to thank everyone who have deliberated in the form of organizing committee, session Chairs, Reviewers, Authors in this covid -10 pandemic. Many have fallen or their family members suffered. But we can say despite all these tough times this conference was successfully represented.

Throughout these days, we maintained five virtual rooms, with three student volunteers coordinating within each room, enabling the delegates and students to present their papers and listen to distinguished engineers and speakers through Plenary Sessions. That has certainly given them an enlightening experience about research.

The inauguration ceremony was on 11th February at 9am with gracious presence of Hon'ble IEEE President-Elect, Prof. Saifur Rehman, Hon'ble Vice Chancellor, NSUT, Prof JP Saini, Patron, Prof Bhim Singh and Prof Rachana Garg, Patron, General Chair, Prof Purna Gaur, the Publication Committee Chair, Prof Subrata Mukhopadhyay, Technical Program Committee Chairs, Prof D K Jain and Dr Ashu Verma, Chair Organizing Committee Prof Rajnish Sharma and Dr Shruti Jain and the members of the organizing committee, distinguished delegates, from 15 countries.

In these times calling for the social relevance of scientific activities, it is very fortunate to see a conference like DELCON with some remarkable submissions. During the three days of the event, participants learnt about the different innovations across the STEM domain through presentations by academicians and researchers and plenary sessions by esteemed guests. We hope the conference will help learn about technological advancements from distinguished domains and grow the professional network.

We would like to really appreciate the tireless efforts of the student organizing committee that includes volunteers from Netaji Subhas University of Technology, the research scholars and student volunteers from the IEEE NSUT Student branch and IEEE Delhi Section SAC. We got website updates, posters brochure and continuous engagement in sorting out various issues with authors, of course under guidance and supervision of members of DELCON2022 organizing committee. I appreciate the efforts of reviewers for the quality review that helped us to maintain the standard of this maiden Conference.

It is incredibly important to have a range of researchers, technologists, and engineers from industry, academia, and government working together across diverse disciplines, with different perspectives and unique ideas to discuss opportunities for advancement. This has been the vision of IEEE which aligns with the ideology that prevails in NSUT and is our motto behind DELCON 2022. With relevant technology and sheer will, we can overcome any physical barrier that comes before us. Overwhelming participation in this Conference is in a way a testament to this.

With these words, I once again welcome you all. The Plenary Sessions and the Presentation Sessions in the next two days have been well thought of. We compliment the organizing committee DELCON2022, research scholars and Student Team for their efforts, in planning and putting together the nitty-gritty for the conference. I hope that DELCON will be yet another opportunity to draw lessons and best practices from one another, which we can take back as we all work together for the betterment of humanity.

(A detailed schedule of the three-day conference was shared with the authors and session chairs in conference kit and the conference proceedings were recorded on YouTube)

Video Recordings of DELCON2022

https://drive.google.com/drive/folders/1gye-c8R5RQSAce4lc5_mDBWchP87d_ZP?usp=sharing

Day-2

<https://www.youtube.com/watch?v=ZCT4E4yujos>

Day-3

[IEEE DELCON 2022 Live Stream](#)

(https://www.youtube.com/watch?v=H_EOax4T11k)

Valedictory was attended by Chief Guest Prof Preeti Bajaj, Vice Chancellor, Galgotia University, Patrons Prof Bhim Singh and Prof Rachana Garg, The Publication Committee Chair, Prof Subrata Mukhopadhyay, Technical Program Committee Chairs, Prof D K Jain and Dr Ashu Verma, Chair Organizing Committee Prof Rajnish Sharma and Dr Shruti Jain and the members of the organizing committee, Distinguished Delegates, Research Scholars, Student Volunteers, Ladies and Gentlemen,

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