

Third National Conference on Communication and System Design 2022 (NC²SD 2022)"

The Department of ECE in association with IETE, IE(I) and ISTE organized the third National Conference on Communication and System Design 2022 (NC²SD 2022) on 11th June 2022. The Inaugural function started with a prayer song. Dr. P. Vetrivelan, HoD, ECE department welcomed the gathering. Dr. P. Reba, Asso. Professor ECE, Organizing Secretary briefed about the conference. She cited that 33 papers from various institutions will be presented in the conference out of around 60 papers received for review. Dr. G. Chandramohan, Principal, PSG iTech, delivered the inaugural address he encouraged the participants to make use of this conference to get connected with the research community and incorporate the new ideas and emerging concepts in their project work. He also appreciated the efforts taken by the faculty members for organizing the conference.

Dr. P. V. Mohanram, Secretary, delivered the felicitation address and he insisted on the importance of research publications. He also informed the participants about the new journal under publication by PSG CARE, indexed by UGC. Mr. K. Paldurai, Organizing Secretary, proposed the vote of thanks. Later in the keynote talk by Mr. KRS Ravikumar on "Machine Learning in Communication Design", the resource person spoke on the significance of incorporating intelligence while building communication systems and latest technologies like LIDAR etc.

He also explained the design and construction of microwave components like resonators, miniaturization of microwave components and characterization of materials used in microwave components. He also encouraged the participants that the research outputs can be converted into products by establishing incubation centres.

The topic of his speech was "Ever-evolving World of Trends and Challenges". He explored AI's abilities, accomplishments, and its contribution to human society. He also pointed out that AI will require a different skill set and will open up more job opportunities. He shared his experience as a software engineer in the industry. Also, he shared how technologies are evolving over the decades and he advised the future engineers to be flexible to work with the new technologies. At the end, participants had a discussion with the speaker about the social impact of AI and the adverse effects of AI. 33 papers were presented by students and faculty from various institutions.

Among them, 12 papers were presented in Track I – Communication Systems track, 6 papers were presented in Track II- VLSI track and 15 papers were presented in Track III - Applications of machine learning. Three panels were arranged, and chaired and co-chaired by Professors from PSG iTech, PSG College of Technology and Industry experts.



Dr. P V Mohanram, Secretary, Dr. G Chandramohan, Principal, PSG iTech along with Dr. P Vetrivelan, HoD, ECE Department and organizing team of third National Conference on Communication and System Design (NC²SD 2022) releasing the Conference Proceedings on 11th June 2022