

Second National conference on
Communication and System Design 2021(NC²SD 2021)

Inaugural Report

The Department of ECE in association with IETE, IE(I) and ISTE organized the second national conference on Communication and System Design 2021(NC²SD 2021) on 3rd April 2021. The Inaugural function started with a prayer song. Dr P Vetrivelan HoD In-charge, ECE department welcomed the gathering. Dr G Santhanamari, Asso./Professor ECE, Organizing secretary briefed about the conference. She cited that 45 papers from various Institutions will be presented in the conference out of around 95 papers received for review. Dr G Chandramohan, Principal, PSG iTech delivered the inaugural address and encouraged the organizing committee to organize International Conference in the next academic year. Dr P V Mohanram, Secretary, delivered the presidential address and appreciated the efforts taken by the faculty members for organizing the conference. He highlighted that young researchers must get inspired by the nature and synchronize with technology. Further, he encouraged the organizing committee to conduct pre-conference workshops also in future. Dr P Subbaraj, Dean/Electrical Sciences highlighted the recent advancements in technologies like energy efficient wireless power transfer and wearable implantable sensors. Ms N Susithra, Organising Secretary, proposed vote of thanks.

Later in the keynote talk by Dr. S. Manikandan, Scientist E, DRDL on “Autonomous Driver Assistance System”, the resource person spoke on the sensor fusion for autonomous driver assistance system. He also explained the ultrasonic sensors, RADAR, LIDAR, vision systems and their applications as range sensors in different environments.

Another keynote speaker, Dr. R Ramanathan, Assistant Professor, Amrita Vishwa Vidyapeetham spoke on “ Cognitive networks for 5G Communication”. He walked through the evolution from 1 G to 5G, explained the key features and performance metrics of 5G and scope of Cognitive radio with massive MIMO in 5G communication network. He quoted that advent of 5G makes gaming and live streaming super-fast.

45 papers were presented by students and faculty from various institutions. 3 panels and 6 sessions were arranged, Chaired and co-chaired by Professors from AURC-Coimbatore, PSG iTech, Velammal College of Engineering and Technology (Madurai) and Industry expert from NI-Drive-Japan (Industry) .



Dr. P V Mohanram, Secretary and Dr. G Chandramohan, Principal PSG iTech along with Dr. P Vetrivelan, HoD in charge, ECE Department and Dr. P Subbaraj, Dean Electrical Sciences releasing the Conference Proceedings



Dr. P V Mohanram, Secretary and Dr. G Chandramohan, Principal, PSG iTech along with Dr. P Vetrivelan, HoD in charge, ECE Department, Dr. P Subbaraj, Dean Electrical Sciences and organizing team of Second National Conference on Communication and System Design (NC²SD 2021)