



PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

Department Of Electronics and Communication Engineering

4th National Conference on
COMMUNICATION & SYSTEM DESIGN - NC2SD

The inaugural function of NC2SD 2023 was held on April 13, 2023. The chief guest for the conference was Dr M. Sabarimalai Manikandan, Associate Professor, Department of Electrical Engineering, IIT Palakkad. Dr M Jayasanthi, Associate Professor, ECE, shared the conference details. The inaugural address was delivered by principal Dr G. Chandramohan and the presidential address was by Dr P. V. Mohanram, Secretary. The conference proceedings were released during the function. Dr Sabarimalai Manikandan delivered the chief guest address on the benefits of writing research articles by students. By writing their project work in a paper and presenting it at a conference, he encouraged students to reach high. According to him, Meditation is comparable to writing articles or papers.

Keynote Session - “Internet of Things and Deep Learning Networks”

In the keynote session, the speaker highlighted the importance of signal processing techniques such as filtering, enhancement, detection, localization, and prediction in improving the quality of data obtained from sensors. He also emphasised the need for data reduction and quality assessment techniques, as well as data visualization methods, to effectively analyze large datasets. The keynote address also emphasized the significance of emerging technologies such as deep neural networks, edge computing, and IoT architecture. Overall, the talk provided valuable insights into the latest developments and trends in communication systems and design.

Paper Presentation Session and Evaluation

Two paper presentation sessions were conducted. The chairpersons and Co-chair persons of the session were

Session I	Session II
<ul style="list-style-type: none">● Dr D Sivaganesan, Professor, CSE, PSGiTECH● Dr G Santhanamari, Associate Professor, ECE, PSGiTECH	<ul style="list-style-type: none">● Dr E Malar, Professor, EEE, PSGiTECH● Dr B.Adhavan, Associate Professor, EEE, PSGiTECH

25 papers were presented and two papers have been awarded the Best Paper Award.

Paper ID	College Name	Name of the Students	Paper Title
NC2SD1011	SRM Valliammai Engineering College	Dr B MuthuSenthil, Mummanani Sravani, Konduru Thejasree, Krithik Shri .M.P	Plant Life: An Intelligent Mobile Plant Disease Diagnostic System Using Deep Learning
NC2SD2010	PSG Institute of Technology and Applied Research	Reba P, Kaviya P, Praneetha S S, Preethi T	End-to-end Implementation of Tx-Rx chain for real-time digital signal transmission incorporating pulse shaping, frame synchronisation and Equalization using NI USRP 2900



Release of Conference Proceedings - Inaugural Function of NC2SD 2023