



NATIONAL WORKSHOP ON RECENT TRENDS IN RF ENGINEERING (22 FEBRUARY 2024)



Organized by
Department of Electronics & Communication Engineering
Indian Institute of Information Technology Design and Manufacturing Kancheepuram
(An Institute of National Importance under Ministry of Education, Govt. of India)
in Association with
IEEE Student Branch of IIITDM Kancheepuram

ABOUT WORKSHOP

RF engineering is a multidisciplinary field that requires knowledge in areas such as electromagnetics, electronics, communication theory, and signal processing. As technology continues to advance, RF engineers play a crucial role in shaping the future of wireless communication and connectivity. RF systems are susceptible to interference and noise from various sources, including other electronic devices, atmospheric conditions, and electromagnetic radiation. Designing effective antennas that meet specific requirements, such as directional coverage, gain, and polarization, can be challenging. Accurate testing and measurement of RF systems require specialized equipment. RF engineers face challenges in obtaining precise measurements, especially in complex environments, and ensuring that the performance of the system meets specified standards. In this workshop, it is planned to address some of these challenges from an experts' perspective.

TOPICS

- Advanced Antennas for Space, Vehicular and Ground Applications.
- Waveguide as Electromagnetic Sensor: Exploring Sensing and Applications.
- Overview of OAM based next generation wireless systems.
- EM-based Implantable Glucose Sensor for CGMS.

OTHER DETAILS

- The Programme is open to the faculty of Engineering Universities/ Institutes /colleges, researchers, industry personnel and Ph.D. students.
- No TA/DA will be provided to the participants.
- No accommodation is available to the participants.
- Participants who are attending all sessions will be given digital participation certificate.

IIITDM KANCHEEPURAM, CHENNAI

The course will be organized by Indian Institute of Information Technology Design & Manufacturing (IIITDM Kancheepuram), Chennai. It is a Centre of Excellence for technical education and research established in 2007 by the Ministry of Education, Government of India. To pursue design and manufacturing oriented engineering education and research and for promoting the competitive advantage of Indian products in global markets. The institute is located on a 51-acre campus on the outskirts of Chennai, off the Vandalur-Kelambakkam road. The Institute is presently offering UG, PG, and Ph.D programmes in Computer Engineering, Electronics and Communication Engineering and Mechanical Engineering.

REGISTRATION FEE

No registration fee

HOW TO APPLY?

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/VR9Skx16QWqzX7Ka8>

SELECTION CRITERIA

Selection will be done based on a first-come-first-serve basis to a maximum number of 50 (Fifty). The list of selected participants will be intimated through e-mail.

IMPORTANT DATES

Last date for Registration	20/02/2024
Selection List by E-mail	20/02/2024

EMINENT SPEAKERS



Dr. Sudhakar Rao
*Raos Consultants LLC,
 Los Angeles, USA*



Dr. Jagannath Malik
IIT Patna



Dr. Abhishek Kumar Jha
IIT Tirupati



Dr. S. Yuvaraj
NIT Andhra Pradesh

ORGANIZING COMMITTEE

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