AICTE Sponsored QIP Short Term Course on Emerging Applications of Engineering Electromagnetics

Organized by
Department of Electronics and Communication Engineering
Indian Institute of Information Technology, Design and Manufacturing Kancheepuram, Chennai - 600 127
www.ece.iiitdm.ac.in

Between
17–22 February 2022

Coordinators
Dr. Rinkee Chopra
Dr. Srijith K

ABOUT THE DEPARTMENT
The Department of Electronics and Communication Engineering at IIITDM Kancheepuram offers B. Tech programme in Electronics and Communication Engineering, M. Tech programmes in Communication Systems, Microelectronics and VLSI Systems and Ph.D. programmes in core and allied areas of Electronics and Communication Engineering in addition to Electrical Engineering. The Department consists of a vibrant team of faculty members working in diverse areas including VLSI, Power Systems, Signal Processing, Communication, RF and Photonics. The faculty members are involved in sponsored and consultancy research projects from reputed industries and government organizations.

IMPORTANT DATES
Last date for applications : 14-02-2022
Intimation of selection : 15-02-2022
Confirmation of participation : 16-02-2022

For further details, please contact:
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ABOUT THE INSTITUTE
IIITDM Kancheepuram 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 with research leading to promote the competitive advantage of Indian products in global markets.
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APPLICATION FORM

Please fill the Google form using the link below,

[QR Code]

Interested Candidates are requested to submit the Google form along with the sponsorship certificate in the format given below on or before 14-02-2022.

ABOUT THE COURSE:

INTRODUCTION

Electrical and electronic engineers need to have thorough understanding of the fundamentals of electromagnetics as it is the base of advanced research in almost every domain. This short term course is a blend of fundamentals of electromagnetics and its advancement in different domains over the entire electromagnetic spectrum. Some of these application areas are Low frequency high voltage transmission lines, Antennas for satellite and airborne applications, EMI/EMC standards for different applications, RF MEMS, Solar cells, etc.

COURSE OBJECTIVES

The objective of the short term course is to provide a gradual transition from fundamental knowledge of electromagnetics to advanced research contribution in different areas. This course will motivate the participants to take up application oriented academic, research and design projects, which will increase the design and manufacturing capability in our country and will be a move in support of the MAKE IN INDIA government scheme.

COURSE OVERVIEW

- Fundamental of Electromagnetics
- Guided and Free Space Wave Propagation
- Low Frequency EM Applications
- EMC Standards for Different Applications
- Antennas and Arrays for Airborne Systems from microwave to millimeter wave.
- Millimeter Wave Devices
- RF MEMS
- Integrated Photonic and Plasmonic Devices
- Next generation Solar Cells for Terrestrial and Space Applications
- Hands on and Lab Demonstration

COURSE DURATION

The course is of one week duration from 17 to 22 February 2022.

RESOURCE FACULTY

Eminent Professors from top academic institutions (IITs/IIITs/NITs, etc). Skilled Scientists from research organizations (like DRDO, ISRO, etc.)

ELIGIBILITY

Engineering college teachers from AICTE approved colleges are eligible to apply for the course.

REGISTRATION FEE

There is no course fee for the participants.

MODE

The course will be conducted online, and the attendance during all the sessions is compulsory. The course link will be sent to shortlisted candidates by 16 February, 2022.
SPONSORSHIP CERTIFICATE FORMAT

Certified that Dr./Sri./Smt. …………………… is a faculty of our Institute and is being sponsored hereby for attending the QIP short term course on “Emerging Applications of Engineering Electromagnetics” to be conducted by Department of Electronics and Communication Engineering, IIITDM Kancheepuram in online mode from 17 to 22 February, 2022.

Signature of Sponsoring Authority

(With date and seal)