About University:

Anna University was established in September 1978 as a unitary type of technical university amalgamating four institutions: the College of Engineering Guindy, the A C College of Technology, the Madras Institute of Technology and the School of Architecture and Planning. All these four institutions each with a long history and distinct characteristics of own, provided a fertile reservoir of resources from which the nascent university has been formed and grown to its present stature.

The College of Engineering Guindy, the main campus of the University, is one of the oldest technical institutions in India. Its origin dates back to 1794, which was established as a Survey School by East India Company. The Survey School was first expanded into a Civil Engineering School in 1858 and then upgraded into a college in 1859. The University offers 45 Under-Graduate and 108 Post-Graduate Programmes along with M.Phil, M.S.(By Research) and Ph.D. Programmes.

The University receives grants from the state and central governments, national and international agencies, and industrial houses. It has an extensive link with Indian industries, national research laboratories and international universities. This enables the university to keep with new development and emerging technologies.

About Department:

The Department of Electronics and Communication Engineering is one of the University Departments in the College of Engineering Guindy, Anna University, Chennai with highly qualified faculty and the state of the art laboratories. The Department aims at creating quality engineers with sound technical knowledge and awareness of the latest advancements in existing and emerging technologies.

The Department has the distinction of being the first in India to start undergraduate programme in Telecommunication System Engineering in the year 1945. The first Post-Graduate programme in Communication Systems was introduced in 1963 and subsequently PG programmes in Applied Electronics, Bio-Medical Engineering, Optical Communication, Medical Electronics and VLSI Design were introduced.

The Department of Electronics and Communication Engineering has respectable status among the major recruiters in India. The excellent performance of its students across the industry has enabled the department to maintain its strong and brand image. The extremely well-qualified and highly knowledgeable faculty adds value to the department and its students.

The Department of ECE is the leading department for University with Potential for Excellence in Biomedical Engineering and Instrumentation.

About C-WiSD:

The Centre for Wireless System Design (C-WiSD), established recently as an autonomous centre of Anna University, at CEG Campus, aims to leverage the expertise available in the University in the areas of Baseband and Signal Processing, RF and Microwave Design, and Hardware Design, Fabrication and Testing, towards building Wireless Systems to cater to the needs of the society and the industry requirements. The centre envisions to grow as a knowledge hub that addresses the needs of upskilling the academic community in the domain of Wireless System Design and strive to be a benchmark in research, innovation, design, development, deployment and dissemination of knowledge in Wireless System Design through effective collaboration and good practices.

Organizing Committee:

Chief Patron	:	Dr.R.Velraj Vice-Chancellor
Patron	:	Dr.G.Ravikumar Registrar
Chair	:	Dr. L. Suganthi Dean, CEG
Co-Chair	:	Dr. M. Meenakshi, HoD, Department of ECE

Venue:

MINI Auditorium ,

Department of ECE,

CEG Campus, Anna University,

Chennai–600 025.

ONE–DAY WORKSHOP ON HIGH FREQUENCY ELECTROMAGNETICS AND 5G TECHNOLOGY

11th March 2023

COORDINATOR
Dr. M. A. Bhagyaveni
Professor
CO– COORDINATOR
Dr. K. Gunaseelan
Associate Professor
Department of ECE
Anna University, Chennai–600 025.

Jointly organized by

Centre for Wireless Systems Design

Anna University

Department of Electronics and Communication Engineering,

Anna University, Chennai–600 025.

ARK InfoSolutions Pvt. Ltd.,

Chennai

About Course:

Antennas are virtually everywhere. From commercial applications such as smartphones, RFID tags, wireless printers, to defense applications such as phased array antennas for aircraft radar systems or satellite-based, to provide integrated ground-based communication systems. Electromagnetic simulation is a valuable tool in antenna design and platform integration providing the designer the ability to virtually design and evaluate what if scenarios as well as verify the final manufactured design.

About HFSS:

ANSYS HFSS excels at a wide variety of high frequency, full-wave, electromagnetic applications including antenna design and placement since it uses multiple advanced solver techniques to simulate not just the antenna but also the effects of its interaction with the entire system, including the feeding system as well as the platform. The demand for graduates, postgraduates & research scholars with engineering simulation skills is exploding. This is largely due to the widespread use of electromagnetic simulation across product development and optimization workflows. To prepare better students, Ansys offers simulation software and materials for education resources to support the teaching of engineering, science and design curricula.

Course Content

- Introduction to Ansys Hf tools and Learning resources
- Antenna Design using Ansys HFSS (Hands-on)
- SAR & Thermal Analysis (Hands-on)
- Antenna array analysis and adaptive beamforming (Hands-on)
- Antenna placement analysis
- Ansys Certification

Resource Persons:

- Faculties from CEG, Anna University.
- Industrial Experts from ARK InfoSolutions Pvt. Ltd.,

Eligibilty:

1. There is no registration fee for any participants.
2. All the faculties, Research Scholars & PG Students are eligible for the workshop.
3. No TA/DA will be paid to any participants.
4. Number of participants is limited to 50.
5. Participants will be selected on first-come first served basis.
6. Selected candidates will be intimated by e-mail confirmation of participation is to be made by email only.
7. Faculty members selected for the workshop should get the authorization certificates signed from the Principal.
8. The Coordinator's decision will be final in the selection of participants.
9. Scanned copy of filled in registration form is to be sent to :

https://docs.google.com/forms/d/e/1FAIpQLSfAzHY1UAhEEFN715hyTMOO9qVV29TaspxCs3IHfFEggH6IXA/viewform

Address for Communication

Dr. K. Gunaseelan
Associate Professor

Department of Electronics and Comm. Engg
CEG, Anna University, Chennai—600 025
Mobile : 9626505161
E-Mail : 5ghfg2023@gmail.com

Important Dates

Submission of Application: 06.03.2023

Intimation of Selection: 08.03.2023

Confirmation by Participants: 09.03.2023

Registration Form:

ONE–DAY WORKSHOP ON HIGH FREQUENCY ELECTROMAGNETICS AND 5G TECHNOLOGY
11th March 2023

Name: ……..

Designation ……

Qualification & Experience ……

Department ……

Institution ……..

e-mail id ……

Mobile Number ……..

Address ……...

…….……..……

Declaration

I declare that all the details furnished above are true to the best of my knowledge

Date :
Place : Signature of the Applicant

AUTHORIZATION CERTIFICATE

This is to certify that _____ is a regular employee/Research Scholar of our institutions and is hereby permitted to attend the workshop at Department of ECE, CEG, AU, Chennai–25

Date :
Place :

Signature of the HOD/ Principal with seal