

**Three Days Online Faculty
Development Programme
on**

5G Antenna Design Techniques

(18th - 20th March, 2021)

Name :

Designation :

Department :

Institution :

Address :

PIN :

Phone/Mobile :

E-mail ID :

I am willing to attend the Faculty
Development Program on “5G Antenna
Design Techniques”.

Registration fee: 100/-

Signature of the Candidate:

Date:

****Send your registration form to
r.vadivelu@skct.edu.in on or before
14/03/2021**

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Development Programme
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Organized by

**Department of Electronics and
Communication Engineering**



Sri Krishna College of Technology
(An Autonomous Institution)
Department of Electronics and
Communication Engineering
Coimbatore – 641 042
Website: www.skct.edu.in

ABOUT THE COLLEGE

Nestled at the foothills of the Western Ghats, located in a sprawling 52-acre campus in Kovaipudur, Coimbatore, Sri Krishna College of Technology (SKCT) is a vibrant institution of higher education promoted by the Sri Krishna Institutions in 1985. An extraordinary freedom of opportunity to explore, to collaborate and to challenge oneself is the hallmark of the institute. Being an autonomous institute, affiliated to Anna University, Chennai, and approved by AICTE New Delhi, SKCT lays strong emphasis on collaborative research and high industry interaction. In a span of 35 years, it has emerged as one of the premier engineering colleges for learning, discovery, and innovation. The college is accredited with A Grade by NAAC and eligible undergraduate programs are accredited by the National Board of Accreditation (NBA), New Delhi. The college offers 7 UG programs and 6 PG programs in Engineering, Technology, Management Studies and 4 research centres.

ABOUT THE DEPARTMENT

Started in the year 1985, department of ECE has grown higher and considered as one of the well-equipped departments across state in terms of infrastructure, curriculum, content quality and quality of teaching faculty. While building a solid foundation of the fundamentals, the students are also exposed to emerging trends in the industry and are moulded to be qualified professionals of the future.

Department of Electronics and communications engineering aims at providing T-Shaped learning through stream-based electives where students are provided with the choice of getting specialized in any one of the thrust areas like VLSI, Embedded Systems, Communication Engineering, Networks, image and video processing. The department houses Electronic Sector Skill Council of India sponsored Centre of Excellence in VLSI and Embedded Systems. Department of ECE is co-ordinating with the IIRS-ISRO as their Network Institute and with Indian Institute of Technology Bombay as their Remote Centres and regularly organising FDPs, workshops, Certificate programs and seminars through e-learning mode for both faculty members and students. Department of ECE has a sanctioned intake of 180 by AICTE and offers UG, PG, Ph.D., Programmes in ECE. Department of ECE is accredited by NBA and permanently affiliated to Anna University, Chennai.

ABOUT FDP

Objectives of the FDP:

The Faculty Development Program is aimed at providing a platform for learning 5G Antenna Design Techniques for various Wireless Communication and its applications. Participants will be inculcated with skills necessary to design and analyse the different design techniques related to antenna to solve complex scientific and industrial problems in the current scenario.

The Expected Outcomes of this FDP

- ✦ Participants can enrich their knowledge in the design of various antennas.
- ✦ Explore to the recent developments happening in 5G related to antenna.
- ✦ Acquire knowledge in smart antenna, MIMO and UWB antennas.
- ✦ Exposure towards Fabrication and Prototype of patch antenna.

Topics to be covered:

- ✦ Smart Antenna
- ✦ Various Feeding Techniques used in 5G Antennas
- ✦ Design of Antenna Arrays
- ✦ UWB Antennas
- ✦ Fabrication and Prototype of Patch Antennas
- ✦ Antennas for 5G new radio
- ✦ Beam-forming and Multi-Antenna Techniques
- ✦ 5G Antenna Design using High Frequency Structural Simulator
- ✦ Hands on practices using HFSS antenna design tool

Who Can Attend?

Faculty members from Engineering Colleges, Research Scholars, M.E., / B.E., / B.Tech., students who are interested to enrich their fundamental knowledge in Smart Antennas.