ABOUT THE COURSE

The requirement for efficient and low-profile antennas has propelled research work in the development of antenna structures with performances considerably enhanced over traditional antenna structures and methodologies. This course is devoted to the fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects in the usage of advanced tools and techniques for the design of antennas.

Primary focus of this course is to introduce design challenges of several antennas and their possible solutions which should be further investigated for the future generation applications. It will also enhance the research competence of faculty in the areas of antennas by providing exposure to practical problems and solutions through case studies. In particular, the course will start with the introduction to the basics of antenna theory and then covering all the major details of latest trends in antenna design along with hands on session to give insights.

COURSE CONTENTS

- Antenna Fundamentals
- Antenna Parameters and Measurements
- Dipole Antenna Analysis and Applications
- Microstrip Antennas
- Antenna Arrays
- Fractal Antennas
- Metamaterial Antennas
- Design of Antennas using Conventional and Soft Computing approaches
- Antenna Fabrication and Measurement
- Antenna Design: Case Studies
- Session on Art of Living

IMPORTANT DATES

Submission of registration form :
23.11.2018

Acceptance notification :
27.11.2018

CONTACT DETAILS

Dr. Balwinder Singh Dhaliwal
Assistant Professor
Department of Electronics and Communication Engineering
Guru Nanak Dev Engineering College
Ludhiana, Punjab – 141006

E-mail: ece.antennacourse@gmail.com

Phone: 0161-5064766 (O)
98148-34209 (M)

PATRON

Dr. Sehijpal Singh (Principal)
Guru Nanak Dev Engineering College
Ludhiana

CO-PATRON

Dr. Sandeep Singh Gill, HOD (ECE)

COORDINATOR

Dr. Balwinder Singh Dhaliwal
Assistant Professor, Deptt. of ECE

AICTE-ISTE Induction/Refresher Course

On

Advances in Antenna Theory and Techniques

03.12.2018 to 08.12.2018

Coordinator

Dr. Balwinder Singh Dhaliwal

Organized by

Department of Electronics and Communication Engineering

Guru Nanak Dev Engineering College

Ludhiana

Gill Road, Gill Park, Ludhiana, Punjab – 141006
E-mail: ece.antennacourse@gmail.com
Phone: 0161-5064766 (O)
98148-34209 (M)

ABOUT THE INSTITUTE

Guru Nanak Dev Engineering College (An Autonomous College under UGC Act), established in 1956, has been striving persistently in the field of education by comprehending the need for upliftment of rural youth in highly competitive, technologically-elevated society, in particular, and understanding the thirst for knowledge of students and quenching it in general. The college has been declared an autonomous college by UGC, New Delhi on 17.8.2012. This college has the privilege of starting Ph.D degree under Quality Improvement Programme (QIP) by AICTE, New Delhi. Apart from offering various B.Tech courses, the institute also imparts thirteen postgraduate courses both on regular and part time basis. An excellent platform is provided to the researchers leading to Ph.D degree program.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering, established in 1981, is one of the most dynamic departments of Guru Nanak Dev Engineering College. The department is currently running UG and PG courses in Electronics and Communication Engineering and has around 15 scholars enrolled for doctorate in areas like Antenna Design, VLSI, Optical communication etc. Ever since its inception, the department has been the hub of academic excellence through some great teachers who have spread their wings all over the globe. The alumni of the department are not only excelling in India but also in the Silicon Valley and other hubs of electronics technology. They are at the forefront of the telecom revolution of the last 20 years and manning pivotal positions in telecom operators in India, South East Asia, Pacific region and Africa. In the last three years, as a part of an academically autonomous system, the department has been taken numerous quality initiative including revamping of syllabi so that it is in tune with the outcome based system as proposed in the Washington Accord.

ECE Department is continuously maintaining strong international collaboration with outside world in form of joint research initiatives, editorial board memberships of reputed international journals, serving on academic bodies of various universities.

REGISTRATION

There is no registration fee for participants from academic institutes. All short-listed candidates are required to confirm their participation by sending the scanned copy of duly filled registration form by email to ***ece.antennacourse@gmail.com***

Maximum no. of participants is 40 and confirmation of eligible candidates will be on a first-come first-serve basis. Preference shall be given to the participants having ISTE Life Membership. Incomplete application forms will not be entertained. Registration forms should reach the coordinator by 23.11.2018

ELIGIBILITY

Faculty members of recognized degree level engineering colleges are eligible to attend the course.

The certification of this program will be done by ISTE jointly with AICTE. A test shall be conducted at the end of the program and the certificates will be issued only to those participants, who qualify the test. Also 100% attendance is mandatory.

TRANSPORT, BOARDING & LODGING

Reimbursement of TA to participants shall be as per AICTE-ISTE FDP entitlement rules. Accommodation will be provided free of cost in the students hostels or guest house on sharing basis.

AICTE-ISTE Induction/Refresher Course
On

Advances in Antenna Theory and Techniques

03.12.2018 to 08.12.2018

Guru Nanak Dev Engineering College

Ludhiana

Registration Form

Name (in block letters):

Gender: **Qualification:**

Designation/Department:

Are you an ISTE Member? : YES / NO

If YES, then Membership No. _____

Organization:

Address:

Mobile:

Email :

Accommodation required: YES / NO

Signature of candidate

Sponsorship & Signature of Head of the College / Institute (with date & seal).

(Important: By signing above, head of the College/Institute certifies that applicant is a faculty member of degree level technical institution)