

REGISTRATION FORM

ONE WEEK FACULTY
DEVELOPMENT PROGRAM
on

“Advancements on Antenna Technologies for future Applications”

14th -19th Feb 2022

Name: _____

Designation: _____

Institution/Organization: _____

Address: _____

Contact Number: _____

Email: _____

Qualifications: _____

Experience in years: _____

Teaching: Research: Industry:

Signature of the
Participant

Signature of the
Head of the Institution

Registration link:

<https://forms.gle/PTKmzoWWU9dMC8M69>

Last date for Registration: 1st Feb 2022

Co-ordinators:

Dr. A. Jhansi Rani

Professor, ECE Dept. V.R. Siddhartha Engg. College

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Mr. Ch. Raghavendra

Assistant Professor, ECE

Mobile No: 9640952001

Chief Patrons:

Sri. N. Venkateswarlu, President,
Siddhartha Academy of General & Technical
Education (SAGTE), Vijayawada

Patrons:

Sri. P. Lakshmana Rao, Secretary, SAGTE

Sri. S. Venkateshwara Rao, Treasurer, SAGTE

Sri. M. Rajayya, Vice-President, SAGTE &
Convener, VRSEC

College Advisory Committee:

Dr. A. V. Ratna Prasad, Principal

Dr. B. Panduranga Rao, Prof. of CE & Dean SA

Convener:

Dr. D. Venkata Rao, Professor & Head of ECE

Organizing Committee:

Mr. K.V. Prasad, Assistant Professor

Mrs. V. Saritha, Assistant Professor

Mrs. B. Alekya, Assistant Professor

Mr. K. Premchand, Assistant Professor

Mrs. M. Bhagya Lakshmi, Assistant Professor

Mrs. K. Sneha, Assistant Professor

Mrs. S Parvathi, Assistant Professor

Ms. B. Pujitha, Assistant Professor

Mrs. N. S. NagaMalleswari, Assistant Professor

Eligibility:

The FDP is open to faculty members, Research scholars and persons from industry and R&D organizations from all over country.

Registration Fee: ***NIL***

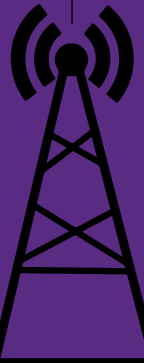
Online meeting link will be provided through

WhatsApp: <https://chat.whatsapp.com/EFvPFVWx-UVSHQN H8OuLppX>

Note: All the Theory and Hands-on sessions are conducted using Google meet. The number of Participants will be limited to 100

Organized by

Department of
**Electronics &
Communication
Engineering**



One Week Faculty
Development
Program On

**ADVANCEMENTS
ON ANTENNA
TECHNOLOGIES
FOR FUTURE
APPLICATIONS**

14th -19th February 2022

(Sponsored by SAGTE)



**VELAGAPUDI RAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE**

(AUTONOMOUS)

(Sponsored by Siddhartha Academy of General & Technical Education)

www.vrsiddhartha.ac.in

About the College:

Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC) was established in the year 1977 as the first Self-financing Engineering College in the state of A.P. It is located in a vast expanse of 24.05 acres of land on the outskirts of Vijayawada city at a distance of about 6Kms from the city centre. The college is offering 7 UG (B.Tech) Courses with intake of 1140, 9 PG- M.Tech with 180, MBA with 60 and MCA with 60. The college has been accredited four times by National Board of Accreditation (NBA) of All India Council for Technical Education (AICTE), New Delhi in respect of all Engineering disciplines and also certified for ISO 9001:2008. It is affiliated to Jawaharlal Nehru Technological University, Kakinada, AP. Autonomous status was conferred by UGC in the year 2006 and extended for 10 years upto 2027-28 without visit to the college, first in AP. It is one among the top 16 Engineering Colleges selected with Rs 6 crores funding under World Bank aid for R&D and PG enhancement Programme called TEQIP –II (S.C.1.2) by MHRD, Govt. of India. The institute secured AAA ranking and all India 7th position for the participation by students and faculty in NPTEL/SWAYM. The College received Platinum Award in years 2017, 2018 & 2019 as a Best Industry Linked Technical Institute by AICTE II Survey. It is also recognized as "Scientific & Industrial Research Organization (SIRO)" by DSIR. MST, Govt. of India since August 2017.

About ECE Department:

Established in the year 1977, the department of ECE offers B.Tech Programme in Electronics & Communication Engineering with an intake of 240 and two M.Tech Programmes in Communication Engineering & Signal Processing and VLSI Design & Embedded Systems with an intake of 12 each. The department has been accredited by NBA of AICTE four times. More than 40% faculties are with Ph.D. qualification. Led by a team of

highly qualified experienced faculty with specializations such as RF & Microwave, Antennas, Digital Signal Processing, Processing, Wireless Communications, Digital Image Processing, VLSI and Embedded systems. The department provides excellent academic and research environment to the UG, PG and research students. A Centre of Excellence (TIFAC CORE- DST) in Telematics was established in the year 2009 with the state of the art facilities. Having successfully completed many research projects funded by UGC, AICTE, DST, NRSC-ISRO DLRL & ANURAGDRDO etc., it is also recognized by JNTUK as "Research Center." Faculty members extend guidance to research scholars, produce Ph.D.'s and publish their findings in peer reviewed national and international journals and conferences.

About FDP:

The proposed FDP 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 Antenna Design. FDP provides an exposure to new areas of research and development being carried out in universities abroad and rest of the world. FDP not only enhances the research competence of faculty in the areas of antennas by providing exposure to practical problems and solutions, through case studies and live projects

Objectives of FDP:

The program focuses on Advancements on Antennas, design aspects and simulation for future applications with a synthesis approach. It progressively builds up the background through illustrative design and Analytical and Computational Techniques in antenna characterization.

***Note:** E-Certificates will be provided to those participants who attend all the sessions of the program and also appear for the online test as per the norms.

Target Audience:

Faculty, Research Scholars, PG Students

Course Contents:

- ✓ **Green's function** based computational techniques
- ✓ Overview of Advancements on **Antenna Technology and Its Applications**
- ✓ Recent Advances in **high power microwave** sources
- ✓ **Microwave and Millimeter-Wave** Circuits
- ✓ Miniaturized **antennas**
- ✓ Design and analysis of **metamaterials**
- ✓ **5G-Antenna** Technology advancements
- ✓ Optimum design of **Reflector Array Antenna**
- ✓ Analytical and Computational Techniques in **Electromagnetics**
- ✓ Design of **Metamaterial Antenna** using HFSS (Hands-on)
- ✓ Design and simulation of **5G antenna** (Hands-on)

Resource Persons:

Dr. Bratin Ghosh,

Prof of ECE, IIT-Kharagpur

Dr. Mrinal Kanti Mandal,

Asso.Prof. of ECE, IIT Kharagpur

Dr. D. Sri Ram Kumar,

Prof of ECE, NIT Tiruchirappalli

Dr. D. Vakula,

Associate Professor of ECE, NITW, Warangal

Dr. S. Yuvaraj,

Assistant Professor of ECE NIT, Andhra Pradesh

Dr. M. Gulam Nabi Alsath,

Assoc. Prof. of ECE, SSN Engineering College

Dr. A. Jhansi Rani,

Professor of ECE, V.R.Siddhartha Engineering College

Er. M. Vinoth, Co-Founder & Head.

Wilma Communications Groups (Asia | US | Europe)

Er. Shashi Kumar R,

Application Engineer Entuple technologies, Bangalore

Er. Rajesh kulalar

(Application Engineer) Jyoti Electronics, Bangalore