REGISTRATION FORM

Two Day Workshop on On

" Advances in 5G Antenna Technologies"

3rd -4th May 2021

Name:		
Designation: Institution/Organization:		
Contact Number:		
Email:		
Qualifications:		
Experience in years:		
Teaching: Research: Industry:		

Signature of the Participant Signature of the Head of the Institution

Last date for Registration:30 th April 2021

Address for Communication: Mr.Ch. Raghavendra

Asst. Prof, ECE Dept.

V.R. Siddhartha Engg. College

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Siddhartha Academy of General& Technical Education (SAGTE), Vijayawada.

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Convener

Dr .D.Venkata Rao

Professor & Head of ECE

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Dr.Y.RajaRao, Professor

Dr.V.Praveen Naidu, Associate Professor

Mr.Ch.Raghavendra, Assistant Professor

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

Eligibility

The workshop is open to faculty members of AICTE approved Institutions, Research scholars and persons from industry and R&D organizations from all over country.

Registration Fee: ***NIL***

Registration link:

https://forms.gle/Hmhb5qjCTK4NxfdK6

AICTE Sponsored



Two Day Workshop On

"Advances in 5G Antenna Technologies"

3rd -4th May 2021

under

AICTE MARGADARSHAN SCHEME

Co-ordinators

Mr. Ch. Raghavendra, Asst. Prof. of ECE

Mrs. V. Saritha Asst. Prof. of ECE

Organized by



Department of Electronics & Communication Engineering Velagapudi Ramakrishna Siddhartha Engineering College

(Autonomous)

(Sponsored by Siddhartha Academy of General& Technical Education)

Kanuru, Vijayawada-520007

Andhra Pradesh

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. 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 7thposition 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-CII 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 18 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, Antennae, Digital Signal Processing, Wireless Communications, Digital Image Processing, VLSI and Embedded systems etc, 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, NRSC-ISRO DLRL & ANURAG-DRDO 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 iournals and conferences.

About workshop:

The proposed Workshop 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 5G Antenna Design. Workshop provides an exposure to new areas of research and development being carried out in universities abroad and rest of the world. Workshop not only enhances the research competence of faculty in the areas of 5G antennas by providing exposure to practical problems and solutions, through case studies and live projects

Objectives of Workshop:

The program focuses on Antenna design aspects and simulation for 5G Communication with a synthesis approach and progressively builds up the background through an illustrative design and characterization set of learning activities of some of the basic concepts of spectrum access techniques

Course Contents:

- Overview of Antennas and its parameters
- HF, VHF, Wideband and Multiband Antennas Design
- Overview of Basic 5G Standard
- Advances in 5G Antenna Technologies.
- Design Modeling and Simulation of Antennas using HFSS.

Resource Persons:

- Sri. D. Sri Ram Kumar Professor Department of ECE NIT Tiruchirappalli
- Dr. Y. Raja Rao
 Professor Department of ECE
 VRSEC
- Er. P. Mahalakshmi, Sr. Researchist
- Wilma Communications Group
- **Er. M.Vinoth**, Co-Founder & Head. Wilma Communications Groups

*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 of AICTE.

Online meeting link will be provided through **WhatsApp.**

The number of Participants will be limited to 100.

Schedule:

10.00AM to 12PM & 2.30pm to 4.30pm on 3^{rd} and 4^{th} May 2021



Two Day Workshop On "Advances in 5G Antenna Technologies"



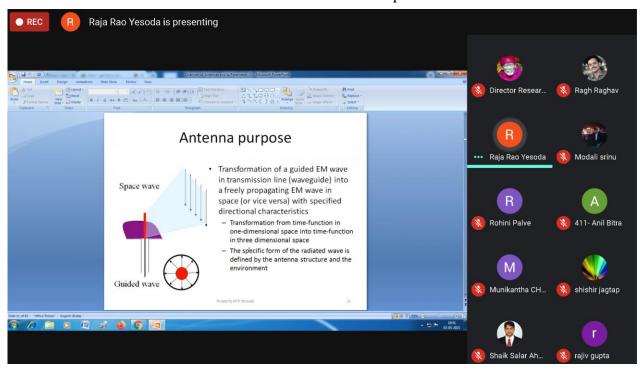
 3^{rd} - 4^{th} May 2021

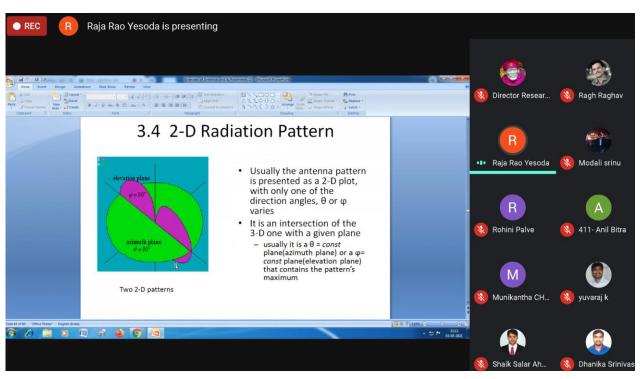
Schedule Online Platform : Google meet

Day-1(Date:03.05.2021)	
9.30-10.00 AM	Inauguration By Co-Ordinators
10.00 to 12:00 PM	
	Talk by
	Dr.Y. Rajarao
	Professor,
	Dept. of ECE, VRSEC, Vijayawada.
	"Overview of Antennas and its parameters
	HF, VHF, Wideband and Multiband
	Antennas Design"
12:00 to 2:00 PM	Lunch Break
2:00 to 4:00 PM	Er. M.Vinoth Manoharan,
	Co-Founder & Head. Wilma Communications
	Groups
	"Basic of V2X in 5G"
Day-2 (Date:04.05.2021)	
10.00 to 12:00 PM	Invited talk by
	Sri. D.Sri Ram Kumar
	Professor Department of ECE
	NIT Tiruchirappalli
	"Overview of Basic 5G Standard Advances
	in 5G Antenna Technologies"
12:00 to 2:00 PM	Lunch Break
2:00 to 4:00 PM	Er. M.Vinoth Manoharan,,
	Co-Founder & Head. Wilma Communications
	Groups
	"Design and Simulation of Antennas using
	HFSS With various applications"
4:00 to 4:30 PM	Valedictory

Day 1 (03-05-2021): Session 1

1. Dr. Y. Raja Rao, Professor Department of ECE, V R Siddhartha Engineering College, Vijayawada. He delivered lecture on "Overview of Antennas and its parameters".





Day 1 (03-05-2021): Session 2

1. This session was presented by **Er. M.Vinoth**, Co-Founder & Head. Wilma Communications Groups (Asia | US | Europe), Chennai. His talk on "Basic of V2X in 5G"

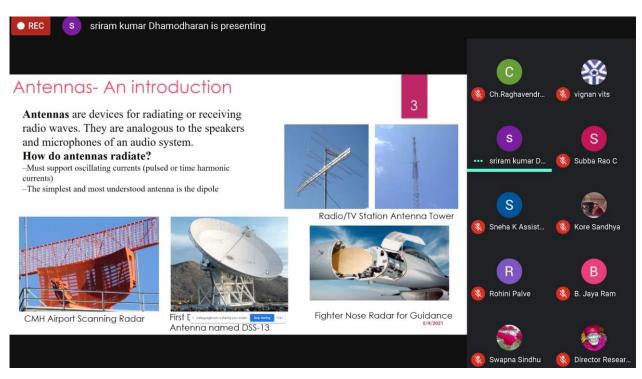


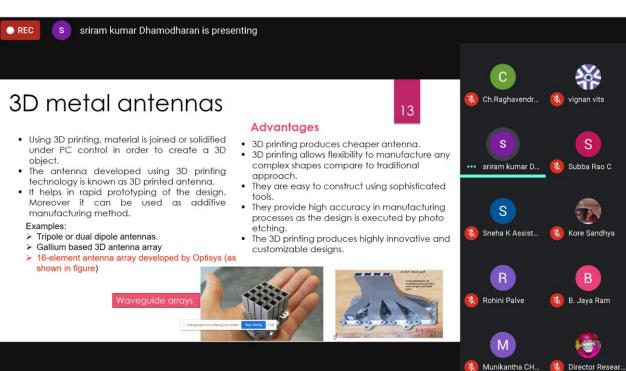


Day 2 (04-05-2021) Session 3

Dr. D. Sri Ram Kumar Professor Department of ECE, NIT Tiruchirappalli.

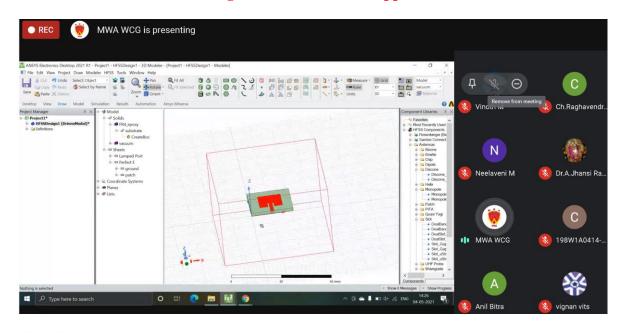
.His talk is on "Overview of Basic 5G Standard Advances in 5G Antenna Technologies".

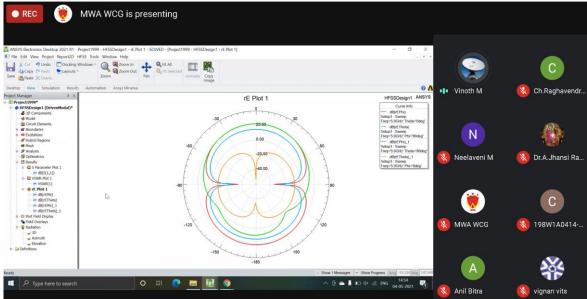




Day 2 (04-05-2021) Session 4

1. **Er. M.Vinoth**, Co-Founder & Head. Wilma Communications Groups (Asia | US | Europe), Chennai and **Er. R. Joe** (Application Engineer) Wilma Communications Groups, Chennai.Their talk is on "Design and Simulation of Antennas using HFSS With various applications"





At the end **Dr. A. Jhansi Rani**, one of the coordinator of workshop offered a vote of thanks and issued ecertificates to the participants.