

# தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநீல மன்றம் TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(Established by Government of Tamilnadu) Directorate of Technical Education Campus, Chennai - 600 025

Phone : 044 - 2230 1428 Telefax : 044 - 2230 1552

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Web : www.tanscst.nic.in E-mail : ms.tanscst@nic.in/enquiry.tanscst@nic.in

DR. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S. (USA). Member Secretary

Ref: TNSCST/PFA/SSW/VR/60/2019-20/

9162

04.10.2019

To Dr.P.Jothilakshmi Professor Dept. of ECE Sri Venkateswara College of Engineering Pennalur, Sriperumbudur-602117

Sir/Madam,

- Sub: Partial Financial Support- "National Levie Workshop on Recent Reserch Advancements in the design of microwave antennasi"= Sriperumbudur, 10.06.2019-12.06.2019- Approval – Reg.
- Ref. Chairman approval Note dated 12.09.2019

With reference to the above we are happy to inform that a sum of Rs.25000/-has been approved as partial financial support for the above programme. i).In case of Those programmes which are already completed, you are requested to send two copies of the programme report containing details of the programme, invitations, technical details, list of participants, photographs, press release etc., and utilization certificate to the Council within one month from the receipt of this letter.ii). In case of those programmes which are to be organized a copy of the invitation and final details of the programme may be sent to the Council. The rescheduled plan should be intimated to the Council **on or before 25.10.2019**. The grant will be released after the receipt of above materials.

Any programme material printed after the receipt of this approval should acknowledge the Council's support as "Catalyzed and financially supported by Tamilnadu State Council for Science and Technology, Dept. of Higher Education, Government of Tamilnadu".

With wishes,

Yours faithfully,

Member Secretary

Copy to: The Principal Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur-602 117

#### DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinators in case I am unable to attend the course.

#### Place:

Date:

Signature of the Applicant

#### SPONSORSHIP CERTIFICATE

Mr / Ms / Dr

is an employee

student of our institute and is hereby sponsored. He / She will be permitted to attend the course for the entire duration, If selected.

Office Seal

Signature of the Sponsoring authority

Place: Date:

Application form completed in all aspects is to be sent to:

#### Dr.P.JOTHILAKSHMI

Professor contact no.044 27152206 contact\_mail id:jothi@svce.ac.in Dept of Electronics and Communication Engg, SRI VENKATESWARA COLLEGE OF ENGINEERING

Post Bag No.1, Pennalur Village Chennai - Bengaluru High Road Sriperumbudur Tk. - 602 117 Kancheepuram District, Tamil Nadu.

#### TRANSPORT

the participants can avail the SVCE busylacities to attend this workshop, For bransportation details, please refer to our college worksite. (seconseconds)

## **RESOURCE PERSONS**

#### Dr. D C Pande

Scientist 'H' (Reid) DRDO Distinguished Fellow Electronics & Radar Development Establishment (LRDE), DRDO, MoD Bengaluru 560 093

Dr.V.Prithiviraj Retd Principal, Pondicherry Engineering College, Former Dean, School of Engineering, Pondicherry University.

Dr. Usha Kiran K. Assistant Professor (sewa Goda) Vellore Institute of Technology, Chennai Campus

Dr.P.JOTHILAKSHMI Professor Sri Venkateswara College of Engineering Sriperumbudur

Resource person from

Industry: Eaglesight Measurement Technologies Pvt Ltd.

#### ELIGIBILITY

Personnel from AICTE approved Engineering Colleges, PG Students, Corporate Professionals and Research Scholars.

## **REGISTRATION FEE**

UG/PG Student : Rs.400 Academicians/Research Scholars : Rs.600 Industry persons : Rs.800

#### HOW TO APPLY

The applicants should send their applications in the specified format along with a DD drawn in favor of "The Principal, Sri Venkateswara College of Engineering", payable at Indian Bank, Sriperumbudur should reach on or before 22.11.2019. If selected, they should confirm their participation as per schedule below.

Accommodation for the outside participants will be arranged in the hostel on chargeable basis.

#### SCHEDULED DATES

Last Date for Receipt of Applications : 22.11.2019 Intimation of Selection by e-mail : 25.11.2019

#### SRIVENBATESWARA ODLLEGE OF ENGINEERING

(Rationomous Ripliated to Anna Homessing)



TNSCST Sponsored "National level workshop on Recent Research Advancements in the Design of Microwave Antennas" 27<sup>th</sup> to 29<sup>th</sup> November, 2k19



Chief Patrons Dr. M Sivanandham, m.o. Secretary

Patrons Dr.S. Ganesh Vaidyanathan, rsp. Principal

> Convener Dr. S Muthukumar, PDP. HOD-ECE

#### Co-ordinators Dr.P.Jothilakshmi, Ph.D.

P Muthukumaran, B.Hemalatha and C Gomatheeswari Preethika.

Department of Electronics and Communication Engineering

#### SRI VENKATESWARA COLLEGE OF ENGINEERING

(Autonomous - Affiliated to Anna University) Post Bag No.1, Pennalur Village Chennai - Bengaluru High Road

Sriperumbudur Tk. - 602 117 Kancheepuram District, Tamil Nadu.

#### Workshop Agenda:

The prime objective of the workshop is to look in a different light about the concepts of antennas and broad exposure to emerging topics and the design of microwave teaching modern antennas to community. The essential objectives of the program is to participants expose the to the fundamentals theory and providing practical problems and their solutions. through studies case and live projects in microwave communication. This program is especially developed for the people who are fascinated to understand the design aspects of develop antennas and want to for antennas modern communication systems. The outcome of the participants make workshop is to the to understand the current aspects of research and to enhance competence like of in the research areas antennas and communication systems.



## ABOUT THE INSTITUTION

Sri Venkateswara College of Engineering (SVCE), one of the Premier Technical Institutions in Tamilnadu, was established in 1985, approved by AICTE New Delhi and affliated to Anna University, chennai has completed 32 years of dedicated and excellent service in the field of technical education. The College is situated on the Chennai – Bangalore National Highway (NH4) about 37 km south-west of Chennai. The college offers 10 UG programmes and 10 PG programmes. Most of the programmes are accrediated by The National Board of Accreditation (NBA) and SVCE is an ISO 9001:2015 certified institution.

## ABOUT THE DEPARTMENT

The Electronics and Communication Engineering department occupies a prominent place in the chronicles of its academic history. The specialization of the faculty includes Telecommunication engineering, Computer Networks, Control Systems, VLSI, Digital Signal Processing, Microwave Systems, Applied Electronics, Microprocessor and Micro Controllers etc. The department has excellent laboratory facilities in the areas like Networking, Microprocessors & Microcontrollers, Electronic Devices, Communication, RF, Microwave, VLSI, Digital Signal Processing, Applied Electronics, with our latest software. The department offers four year UG programme in ECE and two year PG programmes in Communication Systems and Applied Electronics. The department is a approved research center by Anna University. Around 45 Research scholars are pursuing their full time and part time Ph.D in the research center.

#### SRI VENKATESWARA COLLEGE OF ENGINEERING

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Post Bag No.1, Pennalur Village Chennai - Bengaluru High Road Sriperumbudur Tk. - 602 117 Kancheepuram District, Tamil Nadu.



# TNSCST Sponsored

"National level workshop on Recent Research Advancements in the Design of Microwave Antennas" 27<sup>th</sup> to 29<sup>th</sup> November, 2k19

#### **APPLICATION FORM**





TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (TNSCST) Organized by SRI VENKATESWARA COLLEGE OF ENGINEERING Department of Electronics and Communication Engineering

TNSCST

## PROGRAMME SCHEDULE

TIME/ DATE	8.45 AM - 10.45AM	10.45AM- 11.00AM	11.00AM-1.00PM	1.00PM- 1.30PM	1.30PM-3	.30PM
27/11/19	Registration and Inauguration	TEA BREAK	5G ANTENNAS Dr.V.Prithiviraj, Retd Principal, Pondicherry Engineering College,Former Dean, Pondicherry University.	LUNCH BREAK	ANTEN CHARACTER MEASUREMENT Dr. D C H Scientist 'H' (ro Distinguished Fello &Radar Developmen	ISATION& FACILITIES Pande etd), DRDO ow, Electronics nt Establishment
28/11/19	A GLIMPSE OF PAST, PRESENT AND FUTURE MILITARY RADARS Dr. D C Pande Scientist 'H' (retd), DRDO Distinguished Fellow, Electronics & Radar Development Establishment (LRDE), DRDO	TEA BREAK	UNDERSTANDING PERIODIC STRUCTURES IN ELECTROMAGNETICS Dr. Krishnasamy T Selvan Professor/ECE SSN College of Engineering	LUNCH BREAK	(LRDE), DRDO ANTENNAS FOR AIRCRAFT APPLICATIONS Dr.P.Jothilakshmi Professor/ECE Sri Venkateswara College of Engineering	
29/11/19	METAMATERIAL ANTENNAS Dr. Usha Kiran K Associate Professor, SENSE Vellore Institute of Technology, Chennai Campus	TEA BREAK	COMPUTATIONAL ELECTROMAGNETICS AND ITS APPLICATIONS Mr. Sumith S Pillai Assistant Manager(FEKO) Altair Designtech Systems	LUNCH BREAK	RECONFIGURABLE ANTENNAS Ms.B.Hemalatha Assistant Professor/ECE Sri Venkateswara College of Engineering	Valedictory Function
	P.67	Dr. 9 Electron Sil Ve	P. JOTHILAKSHM! Professor Ics and Communication EngineAting Inkateswara Cottege of Englisening Inkateswara Cottege of Englisening Invalur, Sirperumbedur - 602 (1)		Distrigues	Ter





# SRI VENKATESWARA COLLEGE OF ENGINEERING (Autonomous-

Affiliated to Anna University) Pennalur, Sriperumbudur Tk – 602117

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

· Solicits your esteemed presence for the Inauguration of

TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Sponsored

# NATIONAL LEVEL WORKSHOP ON RECENT RESEARCH ADVANCEMENTS IN THE DESIGN OF MICROWAVE ANTENNAS

by

Dr. D C Pande Scientist 'H' (retd), DRDO Distinguished Fellow, Electronics & Radar Development Establishment (LRDE), DRDO, MoD

Venue: Video Hall Date: 27/11/2019 Time: 09:30 AM

# ALL ARE CORDIALLY INVITED

#### Dr. D.C. Pande (Scientist-H)

Dr. D C Pande, Former Outstanding Scientist, Electronics & Radar Development Establishment (LRDE), received his Bachelor and Master Degrees in Electronics from Garhwal University, in 1974, 1976 and Ph. D in Applied Physics from University of Allahabad in 1982 respectively.

Since 1981 with LRDE, (DRDO), MoD, India, where he was involved in the Design & Development of Electromagnetic Interference Control Techniques for Ground Based, Airborne and Ship-borne equipment and systems.

He had started research activities in the field of Nuclear electromagnetic pulse (NEMP) and High-Power Electro-Magnetics (HPEM) in India. Besides, he was involved in the Electromagnetic Design of various Radar Systems, Combat Aircraft and other Combat Vehicles of the country.

He was also involved in design, development and evaluation of various types of antennas for many Radar programs of DRDO. He is the principal Scientist who has designed the NEMP hardened C<sup>4</sup>I facilities in India.

He is a founder life member of Society of EMC Engineers, India [SEMCE(I)] and he is the Chairman of the Society since 2010. He is also the Chairman of IEEE EMC Society Bangalore Chapter.

He is a Fellow of IETE and Chairman IETE Bangalore Chapter; Senior Member of IEEE (MIT, A&P, EMC); a life member of Society of Electronic Engineers India (SEE); a life member of Vacuum Electronic Devices & Application Society (VEDAS); an Associate member of 'dB Society', USA; a member of Aeronautical Society of India; and a member of Antenna Test & Measurement Society (ATMS) of India.

He was awarded "Certificate of Achievements" by SUMMA Foundation of USA in 1989, "Commendable Certificate Integrated Guided Missile Development Programme (IGMDP) in 1990, "M N Saha Memorial Award" of IETE in 1994, "EMC Engineer of the Year 1998" of SCEMCE (India), "Lab Scientist of the Year 2003" and "National Science Day Award of 2004" by DRDO,, "DRDO Scientist of the Year Award 2005" by Prime Minister in 2006, "DRDO Technology Group Award (2011)", "Certificate of Achievements" by The Chief of Naval Staff in 2014 and Prof S N Ghosh Award of IETE in 2015. He has been elected to the grade of Fellow by HPEM Fellows Committee, SUMMA Foundation, USA 2016.

Presently he is Dr. Raja Ramana Distinguished Fellow of DRDO.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



TNSCST Sponsored "National Level Workshop on Recent Advancements in the Design of Microwave Antennas"

27th to 29th November, 2019

S. NO	NAME OF THE PARTICIPANT	MOBILE NUMBER	EMAIL - ID	NAME OF THE COLLEGE	SIGNATURE	
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2	R.DIPSHI	1708537985	dipshiolol@ gmail.com	SVCE	Qi.	June
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5	J. Kasthi (Faculty)	9566454331	karthije rajolakthini-edu.p.	REC	J. Loui	pard
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7	R. SRILAMAMI (Resequencies)	8939998842	Svilakehu.pravina @gmail.com	REC	. De	(DD)



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<u>i</u> l-	Ms. SASIREKHA.D	9952082389	sasirekha de rajalakshmi edu	Rajalateshmi Engineering College	Sasuella	Paid
2.	J. Jayashri	7904742432	Jayaroman Jayashri Ogmail.com		J-Jay ali	Pard
3.	S.Keerthi	8754434564	keerthingoror @ gmail.com	SVCE	S.K.t.	Paid.
4.	S. MANJU (Faculty)	9092174063	Manjus Ecelo Nelannalitech.edu.in	of Technology	Danipe	porid
б.	Dr. R. Jothi Chitra (Faculty)	9443667949	ojc@velamnalitect. edu.in	Velammal Inititule of Technology	2	cash
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# SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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27th to 29th November,2019

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3	A.R. PRASHANTHI (student)	7358616578	prasharthiray - mohan Ogmail.com	chennai Dutitute of	e.	Faid
4	S. Varishine (student)	9514697790	Vorshinisuresh23 @gmail.con	Chomai Tatit to a	G. rubii	paid
5	K.M. VINITHA (Std)	735-190409	rmatharedly kmp gmasl-com	chennai Envitute of Technology	k-H-NTW_	Rud.
• 6	R. Selvarani	90035 80657	Selvaranizaj7499 @gmail.com		poy.	Pard.
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



TNSCST Sponsored "National Level Workshop on Recent Advancements in the Design of Microwave Antennas" 27th to 29th November,2019

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5	R. KESAVAPRIYA	9952582927		SVCE	Rikesupp	
6.	R. Mohanasundaviam (Research Scholar)	999427535	miurdaran Qmaite	SVCE	R.Lohn Only	-
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



TNSCST Sponsored "National Level Workshop on Recent Advancements in the Design of Microwave Antennas"

27th to 29th November, 2019

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3.	K.S. ABHISHER	7358472501	ksabhishkrach	chennai Furtidedo af logy	105.15g	Paid.
4.	ROSHAN FATHIMA.S	9094211402	Shance fathing 9201 @ gmail.com	Chennai Institute of Jechnology		Paid.
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



TNSCST Sponsored "National Level Workshop on Recent Advancements in the Design of Microwave Antennas"

27th to 29th November, 2019

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# SRI VENKATESWARA COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

# TNSCST Sponsored "National Level Workshop on Recent Research Advancements in the Design of Microwave Antennas" 27<sup>th</sup> to 29<sup>th</sup> November,2019 Attendance Sheet

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# SRI VENKATESWARA COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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# TNSCST Sponsored "National Level Workshop on Recent Research Advancements in the Design of Microwave Antennas" 27<sup>th</sup> to 29<sup>th</sup> November,2019 Attendance Sheet

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(Autonomous-Affiliated to Anna University) Pennalur, Sriperumbudur Tk – 602117

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

# A REPORT ON

# TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (TNSCST)

Sponsored

NATIONAL LEVEL WORKSHOP ON RECENT RESEARCH ADVANCEMENTS IN THE DESIGN OF MICROWAVE ANTENNAS

Date: 27<sup>th</sup> to 29<sup>th</sup> November 2019

The Department of Electronics & Communication Engineering organized a three day National workshop on "Recent Research Advancements in the Design of Microwave Antennas" during 27<sup>th</sup> to 29<sup>th</sup> November, 2019 sponsored by TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (TNSCST). A total of 42 faculties, research scholars and students from various institutions participated in the workshop.

#### 1<sup>st</sup> Day (27.11.2018):

The program was inaugurated by the guests and speaker **Dr. D C Pande**, Scientist 'H' (retd), DRDO Distinguished Fellow, Electronics &Radar Development Establishment (LRDE), DRDO in the presence of Dr.S.Ganesh Vaidhyanathan, Principal, Sri Venkateswara college of Engineering. The program started with Invocation song. Dr.S.Ganesh Vaidhyanathan delivered the welcome address and briefed about the highlights of the workshop. It was followed by the introduction of the guests and speaker by Dr.S.Muthukumar, Professor, Head of ECE department.





The guest and speaker Dr.D C Pande gave a keynote address on the vital role played by Modern Microwave Antennas in general and opportunities and challenges in the field of antenna design.



Post inauguration ceremony, morning session was about "5G Antennas". The session was presented by Dr.V.Prithiviraj, Retd Principal, Pondicherry Engineering College, Former Dean, Pondicherry University. Dr. D C Pande handled afternoon session on the topic "Antenna Characterization & Measurement Facilities".



#### 2<sup>nd</sup> Day (28.11.2018):

It was the day of technical talks with the morning session on "A Glimpse of Past, Present and Future Military Radars" by Dr. D.C.Pande. Dr. Krishnasamy T Selvan, Professor/ECE SSN College of Engineering started the pre-lunch session on the topic "Understanding Periodic Structures in Electromagnetics".



Post lunch Dr.P.Jothilakshmi, Professor/ECE from Sri Venkateswara College of Engineering delivered lecture on the topic "Antennas for Aircraft Applications".



# 3<sup>rd</sup> Day (28.11.2018):

The day began with lecture on "Metamaterial Antennas" by **Dr. Usha Kiran K,** Associate Professor, SENSE, Vellore Institute of Technology, Chennai Campus.



It was followed by session titled "Computational Electromagnetics and its Applications" by Mr. Sumith S Pillai from Altair Designtech Systems. This session covered FEKO introduction and its fundamentals. Also demonstration on design of microstrip patch antenna and its simulation was briefed.



The noon session was handled by Ms.B.Hemalatha, Assistant Professor/ECE from Sri Venkateswara College of Engineering on the topic "Reconfigurable Antennas".



The program concluded with Valedictory function. The participants provided their feedbacks and certificates were distributed to them.



We deeply thank TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (TNSCST) and our college management for providing us an opportunity to conduct this workshop and to enhance the knowledge in field of modern microwave antennas.

#### **EVENT COORDINATOR**

Dr.P.Jothilakshmi, Professor, ECE Department, SVCE

**HOD/ECE** 

Dr.S.Muthukumar

	ATESWARA COLLEGE OF E nous Institution, Affiliated to Anna University Pennalur, Sriperumbudur Tk - 602117 •	
National level wor	TNSCST Sponsored kshop on Recent Research Advancements in the Design 27 <sup>th</sup> to 29 <sup>th</sup> November 2019	n of Microwave Antennas
Ű	lertificate of Participa	tion
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	College of Engineering L FOR SCIENCE AND TECHNOLOGY (TNSCS	has participated in the ST) sponsored National Level
	ARCH ADVANCEMENTS IN THE DESIGN OF	
organized by Department of College of Engineering, during .	f Electronics and Communication Engina 27 <sup>th</sup> to 29 <sup>th</sup> November, 2019.	eering at Sri Venkateswara
HOD/ECE Dr. S. Muthukumar	PRINCIPAL Dr. S. Ganesh Vaidyanathan	COORDINATOR Dr. P. lothilakshmi

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# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

TNSCST Sponsored "National Level Workshop on Recent Research Advancements in the Design of Microwave Antennas" 27<sup>th</sup> to 29<sup>th</sup> November,2019

# Feedback from Participants

Name

Designation

College

Email ID

Mobile No

Organization of the program

Hospitality

Comments

: ASSISTANT PROFESSOR : DMICE Feroppe 99@gmail.com 9566594281 well - Establish :

: S. SYED FEROLE HUSSAIN

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Good Selection of Guestin Domin very nice Coverage tree with Had Nice expectence with Concepts and Technology

Tools experiment

Suggestion for Improvement

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