

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
WEBINAR ON



FACTS OF WEATHER RADAR APPLICATIONS



Open to all
Faculties and
Students

Resource Person:



Dr. Madhu Chandra R Kalapureddy,
Scientist -E ,Radar & Satellite Meteorology,
Indian Institute of Tropical Meteorology (IITM),
Autonomous to Ministry of Earth Sciences (MoES),
Govt of India, Pune, India



E-certificates will
be provided to all
participants



JUNE

15

04:00 PM

Convenor:

Dr. S. Muthukumar
Prof and Head,
Dept. of Electronics and
Communication Engineering,
SVCE, Sriperumbudur.

Co-ordinators:

Dr. R. Gayathri, Mr. S. P. Sivagnanasubramanian
Mrs. Rajeswari Ramaraj, Mrs. S. M. Mehzabeen
rgayathri@svce.ac.in, spsivagnanam@svce.ac.in
rrijeswari@svce.ac.in, mehzabeen@svce.ac.in
Dept. of Electronics and Communication
Engineering,
SVCE, Sriperumbudur.



Click the QR
for Free
Registration



Dr. Madhu Chandra R. Kalapureddy being a Research scientist in IITM (Indian Institute of Tropical Meteorology), has completed his bachelor degree in 1995 and master degree in 1998 at Andhra University in the specialization of physics and electronics, and had completed doctorate in 2005 at Sri Venkateswara University further he completed Post. Doctoral Fellow (2009) Centre de Recherchés Atmosphériques (**Centre of Atmospheric Researchers**), CNRS, France. He started his carrier from the year 1999 as a Visiting Research Fellow and continued senior research fellow in National MST Radar Facility, Tirupati. After that he has joined in Indian Institute of Tropical Meteorology, Pune. at present he is working as Scientist E grade.

Our chief guest has specialized in Remote sensing in the Atmosphere, Cloud & Precipitation studies. Guiding the M.Tech and M.Sc students.

Research interest is on the vertical structure of atmospheric cloud and precipitation interactions with the environment through aerosol and atmospheric state variables. The observational research approach uses remote sensing techniques viz. radiometers, and radar and lidar to pursue it. Cloud radar measured the vertical profile of reflectivity inferred Cloud vertical structure that aids in a novel understanding of the 3-Dim Indian Summer Monsoon and its variability.

He has published more than 28 scientific research articles with 579 citations and being the Life Membership of Indian Meteorological Society and Indian Aerosol Science and Technology Association.

Registration details for the webinar "Facts of weather RADAR Applications"

Timestamp	Name of the participant	Designation	Department	Name of Category	Mobile No.	Email id
2021/06/0	S. M. Mehzabeen	Assistant Professor	ECE	SVCE Faculty	7502357937	mehzabeen@svce.ac.in
2021/06/0	Dr.R.Gayathri	Associate Professor	ECE	sri venka Faculty	9884811501	rgayathri@svce.ac.in
2021/06/0	SENTHILKUMAR R	Assistant professor	CSE	SVCE Faculty	9629250575	senthilkumar_r@svce.ac.in
2021/06/0	MANOJ. J	3rd year	Electronics an	Sri Venka Student	7338851052	manojjagadish9201@gmail.com
2021/06/0	NAREESH U D EC	B.E Ist year Student	ECE	Sri Venka Student	7845366557	2020ec0053@svce.ac.in
2021/06/0	KARTHIKEYAN V	Student	Ece	Sri Venka Student	9445327967	2020ec0739@svce.ac.in
2021/06/0	Anandavadivel Annamalai	Ph.D	Applied Physic	Sri Venka Faculty	9791159860	aanand@svce.ac.in
2021/06/0	JASWANT S	Student	CSE	Sri Venka Student	638531398	2020CS0426@SVCE.AC.IN
2021/06/0	Yokesh J	Student	ECE	Velammā Student	8939464535	yokeshjinendiran548@gmail.com
2021/06/0	P. ARUL	Assistant Professor	ECE	SVCE Faculty	9884372131	arulp@svce.ac.in
2021/06/0	RAHUL K	STUDENT	CSE	SRI VENK Student	8825411863	2020cs0491@svce.ac.in
2021/06/0	T Mohamed Fisal	1st year college student	ECE	Sir venka Student	6381607476	mohamedfisal7476@gmail.com
2021/06/0	KALYAN SAGAR D	STUDENT	CSE	SVCE Student	9150158591	2020cs0529@svce.ac.in
2021/06/0	SRIBALAJY N S	Student	Electronics an	SRI VENK Student	6385826339	2019ec0167@svce.ac.in
2021/06/0	RAJESWARI S	Student	CSE	SVCE Student	9840563734	2020CS0020@SVCE.AC.IN
2021/06/0	G GURUMOORTHY	Associate Professor	BIOMEDICAL E	SKR ENGI Faculty	9786129913	gurumoorthy82@gmail.com
2021/06/0	SIVADHARINI S	B.E	Electronics an	Sri venka Student	6379115586	2020ec0695@svce.ac.in
2021/06/0	B.Ramesh	Associate Professor	ECE	SKR Engir Faculty	9841378715	ramesh.ece@skrenggcollege.org
2021/06/0	B.Ramesh	Associate Professor	ECE	SKR Engg Faculty	9841378715	ramesh.ece@skrenggcollege.org
2021/06/0	POOJA T	STUDENT	Computer Sciē	Sri Venka Student	6380509827	2020cs0034@svce.ac.in
2021/06/0	R.gayathri	Associate Professor	Ece	Svce Faculty	9884811501	rgayathri@svce.ac.in
2021/06/0	Mrdulla V Naarayan	svce student	ECE	Sri Venka Student	8903870875	2020ec0670@svce.ac.in
2021/06/0	Srivani M	Student	ECE	Sri Venka Student	9.17449E+11	2020ec0039@svce.ac.in
2021/06/0	B.Ashwin	Student	ECE	Velammā Student	7397430255	ashwinbalakrishnan8@gmail.com
2021/06/1	Dr.Venmathi A R	Professor	BME	Kings Enē Faculty	9841432081	venmathi@kingsedu.ac.in
2021/06/1	Nivetha P	Student	ECE	Sri venka Student	6383484010	2020ec0660@svce.ac.in
2021/06/1	Pratosh Karthikeyan	Student	ECE	Sri Venka Student	7358565465	2020ec0669@svce.ac.in
2021/06/1	Preetham raj M.B	1 year	ECE	SVCE Student	7401286415	2020EC0691@SVCE.AC.IN
2021/06/1	Mithun Nitheesh Rogan	Chennai	Ece	Sri Venka Student	7395967331	mithunnitheeshrogan@gmail.com
2021/06/1	KARTHIKEYAN V	Student	ECE	Sri Venka Student	9445327967	2020ec0739@svce.ac.in
2021/06/1	S MUTHU KUMAR	Youtuber	ECE	Svce Student	9150926821	2020ec0686@svce.ac.in

2021/06/1 NIRMAL KUMAR T K	1st year BE	Ece	Svce	Student	7358286843 nk31nirmalkumar@gmail.com
2021/06/1 Maanasa R	1st year B.E	Electrons & Co	Sri Venka	Student	9360708780 2020ec0662@svce.ac.in
2021/06/1 KEERTHANA D	Student	ECE	Sri Venka	Student	7358160826 2020ec0173@svce.ac.in
2021/06/1 KEERTHANA R	1st year, BE	ECE	SVCE, Sri	Student	6383932471 2020ec0075@svce.ac.in
2021/06/1 Pranav Manikandan	Student	Ece	Sri Venka	Student	6383979402 2020ec0747@svce.ac.in
2021/06/1 Nithish.P	Student	ECE	SVCE	Student	6379701903 2020ec0051@svce.ac.in
2021/06/1 G.ARAVIND VIGNESH	Student	ECE	Sri Venka	Student	7904192271 2020ec0434@svce.ac.in
2021/06/1 Pranav A	Engineering	ECE	SVCE	Student	9488622674 2020ec0174@svce.ac.in
2021/06/1 Naveenkumar. S	Student	ECE	SVCE	Student	6379473817 2020ec0709@svce.ac.in
2021/06/1 Naveenkumar. S	Student	Ece	SVCE	Student	6379473817 2020ec0709@svce.ac.in
2021/06/1 DINESH ADHITHYA S B	Student	ECE	Sri Vekat	Student	8072810263 2020ec0524@svce.ac.in
2021/06/1 Pooja.v	Student	ECE	SRI Venka	Student	9840691502 2020ec0846@svce.ac.in
2021/06/1 Preetham.S	Student	ECE	Sri Venka	Student	9380453294 2020ec0043@svce.ac.in
2021/06/1 NARESH S	STUDENT	ECE	Sri venka	Student	7010235233 2020ec0306@svce.ac.in
2021/06/1 Prasanna Kumar R	Student	ECE	Sri Venka	Student	9884959461 2020ec0272@gmail.com
2021/06/1 C Naveen Kumar	Student	ECE	Sri Venka	Student	8610219625 2020ec0067@svce.ac.in
2021/06/1 Mrdulla V Naarayan	Student	ECE	Sri Venka	Student	8903870875 2020ec0670@svce.ac.in
2021/06/1 Moneshwar C	Student	ECE	Sri Venka	Student	6383190648 2020ec0063@svce.ac.in
2021/06/1 Dr.M.Vanitha	Associate Professor	ECE	Saveetha	Faculty	7871784886 vanitha@saveetha.ac.in
2021/06/1 BOLLA TIRUPATHI NAIDU	Student	ECE	SVCE	Student	9177467459 mrtpt9999@gmail.com
2021/06/1 T Mohamed Fisal	1st year college	Ece	SRI venka	Student	6381607476 2020ec0214@svce.ac.in
2021/06/1 NAVIN KUMAR K	.	ECE B	SVCE	Student	8778797357 Nk943273@gmail.com
2021/06/1 PRASANNA .A	To place in IT compani	ECE	SVCE	Student	6369560951 titanprasanna@gmail.com
2021/06/1 Kumaran.M	Student	ECE	Sri Venka	Student	9345784064 2020ec0808@svce.ac.in
2021/06/1 Barath M	Student.	ECE	Sri Venka	Student	7550376009 2020ec0647@svce.ac.in
2021/06/1 Annaladasu Pradeep Kumar	Student	E.C.E	G.Pulla R	Student	9000720296 annaladaspradeepkumar@gmail.com
2021/06/1 Annaladasu Pradeep Kumar	Student	E.C.E	G.Pulla R	Student	9000720296 annaladaspradeepkumar@gmail.com
2021/06/1 Buvanesh S	Student	ECE	Sri Venka	Student	9092916447 2018ece0065@svce.ac.in
2021/06/1 Leann Elizabeth James	Student	Electronics an	Sri. Venka	Student	9940284297 2020ec0181@svce.ac.in
2021/06/1 Dr. J.ANIX JOEL SINGH	Associate professor	Mechanical er	Ponjesly	Faculty	8220778266 anixjoelsingh@gmail.com
2021/06/1 Akash poddar	Student	Civil engineeri	Jalpaigur	Student	9674749309 akash.jgec22@gmail.com
2021/06/1 Dinesh Kumar J R	Assistant Professor	ECE	Sri Krishn	Faculty	9047480706 dineshkumarjr@skcet.ac.in
2021/06/1 Dr. Niraj Gupta	Associate Professor	Pharmacy	College o	Faculty	9012395301 nirajg261@gmail.com

2021/06/1 A.HEMA MALINI	Assistant Professor	ECE	SAVEETH Faculty	9952648240	ahemamalini.ragu@gmail.com
2021/06/1 K.L.JEEVANESH	B.E	ECE-B	SVCE Student	9941090532	2020ec0839@svce.ac.in
2021/06/1 Krithika shree D	1st year BE	Ece	Sri Venka Student	6380177371	krithikakiki19@gmail.com
2021/06/1 DanushT	Student	Ece	Svce Student	98949 91413	Dhanumakesh@gmail.com
2021/06/1 Dr Mitali Madhusmita Nayak	Associate Professor	Mathematics	Departm Faculty	9.19937E+11	mitalinayak@soa.ac.in
2021/06/1 SATHISH KUMAR M	ASSISTANT PROFESSOR	ECE	SRI VENK Faculty	9677235689	msatish85@gmail.com
2021/06/1 S.Haripriya	BE	Electronics an	Sri Venka Student	9790009907	shanmugamharipriya05@gmail.com
2021/06/1 Hithaishi U M	BE	ECE	Sri venka Student	8148348839	2019ec0052@svce.ac.in
2021/06/1 Allin Joe D	Assistant Professor	ECE	Kumarag Faculty	9159966401	allinjoe.d.ece@kct.ac.in
2021/06/1 Mr.Kalyan Das	Assistant Professor	Information T	St. Thom Faculty	9830339811	daskalyan@gmail.com
2021/06/1 G.Akila	Assistant Professor	Department C	Meenaks Faculty	8667051572	aki47g@gmail.com
2021/06/1 Mr. M. KRISHNA KUMAR	Assistant Professor	ECE	Grace Co Faculty	8778736611	krishna18innet@gmail.com
2021/06/1 Mr.Sudipta Chakravarti.	Laboratory Instructor	ECE	MCKV In: Faculty	8902314923	sudiptachakravarti@rocketmail.com
2021/06/1 NAREESH U D	I ST YEAR B.E	ECE	Sri Venka Student	7845366557	2020ec0053@svce.ac.in
2021/06/1 G. BALAMURUGAN	STUDENT	ECE. M.E. CONS.A.	ENGI Student	8015196916	bala15081997@gmail.com
2021/06/1 T.Boopathy	Assistant Professor	Electronics an	Dhanalak Faculty	9786159923	boopathy.selvan@gmail.com
2021/06/1 Azam Al-Rawachy	Radio Frequency	Software dep	Mosul Ur Faculty	9.6477E+12	azzam.esam@uomosul.edu.iq
2021/06/1 Ban Al Badran	Science	Physics	Ports Research schola	77	rosew7765@gmail.com
2021/06/1 Riyadh Alsaleem	university of Samarra	El.	Universit Research schola	7706273109	alsaleem1962@tahoo.com
2021/06/1 Dr.S.Anjaneyulu	Assistant Professor	ECE	SKU Colle Faculty	9441779959	anjaneyulu00607@gmail.com
2021/06/1 Subha Priya.A	B.E	Electronics an	Sri venka Student	6379044535	2018ece0346@svce.ac.in
2021/06/1 Thivya T	B. E	Electronics an	Sri venka Student	9080107490	2018ece0413@svce.ac.in
2021/06/1 A. Shalini	B. E.	ECE	Sri Venk: Student	7010033151	2018ece0303@svce.ac.in
2021/06/1 A.BABIYOLA	Professor	ELECTRONICS MEENAK	Faculty	9444464806	babianand2002@gmail.com
2021/06/1 S Senthil Rajan	Assistant Professor	Electronics an	Sri Venak Faculty	9444447806	senthilrajan@svce.ac.in
2021/06/1 Dr. Nagwa Nasr Nasr Azzam	Assist. Prof.	Biology	Faculty o Faculty	,01009650355	Dr.nagwa_azzam@yahoo.com
2021/06/1 Ø'Ù,, ÙŠ Ø'Ø-ÙŠÙ,, Ù^Ù±ÙŠØ'	Ù...Ø~Ø±Ø³ Ù...Ø³Ø\$Ø' Ø-Ø°Ø±Ø\$ÙÈ Ù...Ø~ÙŠ; Faculty			9.6478E+12	aliajeel87@gmail.com
2021/06/2 Mr.Sudipta Chakravarti	Laboratory Instructor	ECE	MCKV In: Faculty	8902314923	sudiptachakravarti@rocketmail.com

Dr.R. Gayathri

Dr.S.Muthukumar

HOD-EC

**SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE)
PENNALUR, SRIPERUMBUDUR-602117**

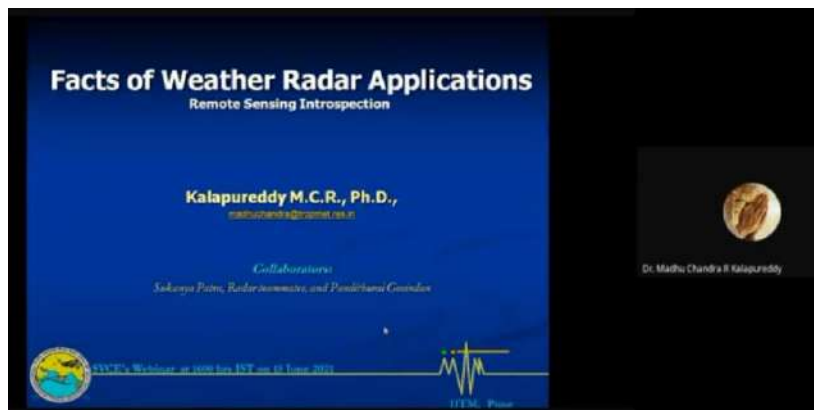


Webinar Report

Date: 15th June 2021

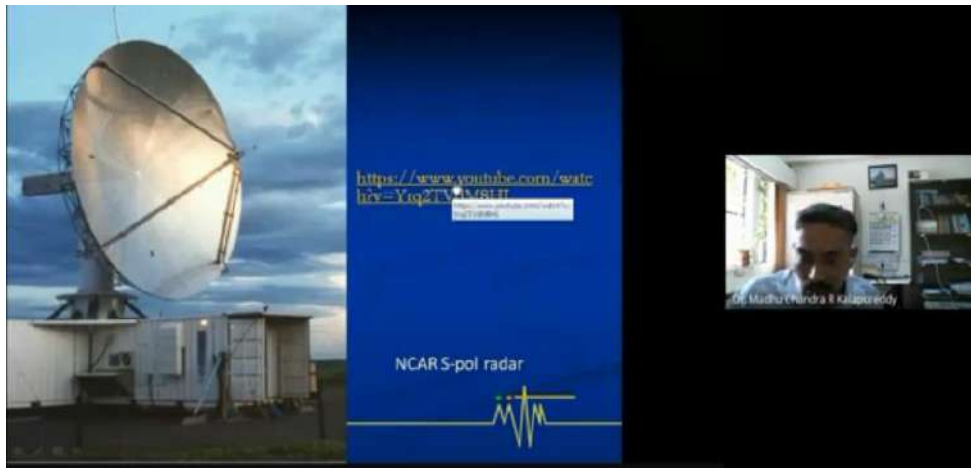
Time: 4.30 PM-6.30 PM

The Department of Electronics and Communication Engineering, Sri Venkateswara College of Engineering organized a webinar on “Facts of Weather Radar Applications” by Dr. Madhu Chandra Kalapureddy, Scientist - E, Radar and Satellite Meteorology, Indian Institute of Tropical Meteorology, Govt of India. Dr. S. Muthukumar, Head of the Department of Electronics and Communication Engineering addressed the gathering and gave the welcome address. The Chief Guest was introduced to the gatherings by Dr. R. Gayathri, Associate Professor. The Chief guest preside over the function and delivered the technical talk on the facts of weather RADAR Which covers the weather phenomena and

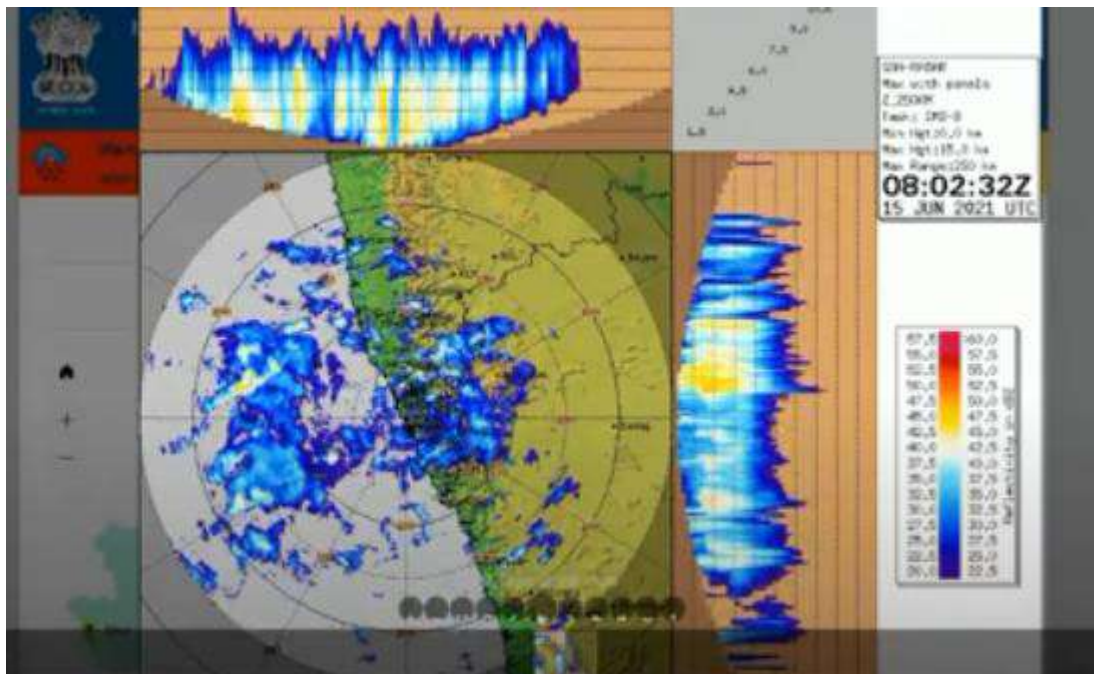


its changes.

Speaker briefed the session with the following Points which includes Most weather phenomena confine in the lower part of the atmosphere called the troposphere. The sky looks more spectacular with the presence of a variety of clouds from sunlight to the desk. These water vapor vessels are the chief source of all weather phenomena. Remote-sensing of Weather watching has significantly emerged out to be a versatile outlook on the atmosphere and promise for better understanding the weather. On this point, radar monitoring of Weather with its pulsed energy echo that characterizes the cloud and rain particle information through scattering mechanisms that essentially can provide vast areal as well as height coverage of cloud system around the radar site.



The radar volume measurements have tremendous potential for inferring raining cloud characteristics viz., the type of rain, its duration, and its evolution. This cloud characterization aids in deciding the intensity of weather events like a thunderstorm, cloud burst, and cyclone. Therefore, there is a lot of scope with scanning weather radar measurements to understand and predicting of a weather event. In this webinar, you can learn briefly about the vertical structure of the atmosphere and then turn towards the important cloud vertical structure (CVS). Finally, how to crack the mystery of whether code using CVS will be an interesting part of it with a live exploration of the remote sensing, model, and radar observations. Around 150 Participants registered for the event .Vote of thanks delievered by Mrs.S.M.Mehzabeen,Asst.Prof. On behalf of the Department of ECE, the coordinators and organizers expressed their gratitude to the Head of the Department,and Participants across various colleges. We express our deep sense of gratitude to our Management and Dr.M.Sivanadham, Secretary, SVEHT for the constant support and guidance for all the activities of the ECE Department.



Event Co-ordinators:

Dr.R.Gayathri,Asso.Prof

Mr.S.P. Sivagnana Subramanian,Asst.Prof

Mrs.R.Rajeswari,Asst.Prof

Mrs. S.M. Mehzabeen,Asst.Prof



Dr.R.Gayathri



Dr.S.Muthukumar
HOD-EC



SRI VENKATESWARA COLLEGE OF ENGINEERING

Autonomous-Affiliated to Anna University

Department of Electronics and Communication Engineering

FACTS OF WEATHER RADAR APPLICATIONS

Certificate of participation

This is presented to

NAREESH U D , Student

for participating in the webinar on "Facts of weather radar applications" conducted by Department of Electronics and Communication Engineering on 15-06-2021.



Dr. R.GAYATHRI
Associate Professor - ECE



Dr. S. MUTHUKUMAR
HOD - ECE