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Punalkulam, Gandarvakottai Taluk, Pudukkottai District - 619 303.

A REPORT
ON
LIVE ONLINE WEBINAR TITLED
"MODERN ANTENNA DESIGN CHALLENGES"

06th JUNE 2020



Organized by
Department of Electronics and Communication Engineering
KINGS COLLEGE OF ENGINEERING, PUNALKULAM

A NAAC Accredited Institution

Recognized under 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Phone : 04362-282474, 282395

Website : www.kingsindia.net

A Glimpse on the Background of Webinar:

In Kings College of Engineering, Department of Electronics and Communication Engineering, has organized an online Webinar titled "**MODERN ANTENNA DESIGN CHALLENGES**" on 06th June 2020, from 11.00 a.m to 12.00 p.m.

The main objective of this Webinar is to utilize the lockdown period by providing the basic knowledge about the modern antenna design challenges.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this Webinar. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our webinar. Mr.W.Newton David Raj, AP/ECE, Mrs.P.Thirumagal, AP/ECE were the program coordinators.

OVERVIEW OF THE WEBINAR:

ABOUT THE RESOURCE PERSON:

The resource person for the webinar was Dr.D.Sugumar, M.E., Ph.D, Assistant Professor, Department of Electronics and Communication Engineering, Karunya Institute of Technology and Sciences, Coimbatore.

ABOUT THE REGISTRATION PROCESS:

The webinar was planned to be conducted via Google Meet platform. The registration link was created through Google forms and the link was posted in various WhatsApp groups.

Registration Link:

<https://forms.gle/z9iGBvyVY3nFDJDf8>

We have received 300 responses from various institutions. Before one day of the Webinar, we have stopped receiving the registration response. For all the registered participants we gave the confirmation mail for our Webinar participation.

On that day of the program, the webinar google meet link was given to all the registered participants 1 hour before the commencement of the program through their E-Mail Id.

ABOUT THE WEBINAR:

- ✓ The webinar was started at 11.00 a.m with 141 participants.
- ✓ Mr.W.Newton David Raj, AP/ECE coordinator of this webinar welcomed the resource person and the participants by the words, and also introduced the Resource person. Then the session was handed over to the Resource person.
- ✓ Resource person gave very clear explanation about the Title of the **“Modern Antenna Design Challenges”** through the following sub-topics:
 - ❖ Design of Antennas upto 6 GHz and above 6 GHz
 - ❖ Applications
 - ❖ What is Modern?
 - ❖ 5G Antennas?
 - ❖ Antenna Design and Placement
 - ❖ Special Applications
 - ❖ How to design the antenna?
 - ❖ General Antenna Design Process & Challenges.
 - ❖ Requirements and Specifications-1 and 2
 - ❖ Substrate Materials Availability
 - ❖ Feeding Methods
 - ❖ EM simulation Software selection!
 - ❖ Solver
 - ❖ Solver Requirement
 - ❖ Full Wave Methods(Rigorous Methods)
 - ❖ Asymptotic Methods(High-Frequency Approximation)
 - ❖ MTL(Multiconductor Transmission Line)
 - ❖ System Requirement
 - ❖ Half-wave Wire Dipole Example
 - ❖ Consultancy on Antenna

- ✓ Finally he gave some real time demo by using the reko and also given the software student edition link to the interested participants.
- ✓ At 12.15 p.m he comes to the end of the session. The queries were asked by the participants for 15 minutes..He gave the answers for all the queries. At 12.30 p.m we have posted the Feedback link Via the chat box.

Feedback Link:

- ✓ Finally, Mrs.P.Thirumagal,AP/ECE coordinator of this webinar gave the vote of thanks with words. Thus the program ended successfully.

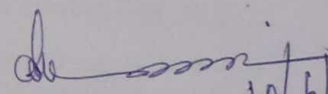
OUTCOME:

- ✓ We received 300 registration from 119 various Institutions.
- ✓ Among the 300 registered participants 142 have attended the session.
- ✓ All the 142 participants gave the feedback about the webinar via the Feedback Link.
- ✓ The E-Certificate was provided to all the attendees through their E-mail Id.

BROCHURE

W. Newton
10/6/2020
Coordinator(3)

J. Prasad
10/6/2020


10/6/2020
HOD/ECE.

MODERN ANTENNA DESIGN CHALLENGES

Organized by
Department of
Electronics & Communication Engineering



Dr. D. Sugumar, M.E., Ph.D

Asst. Professor (ECE)

Karunya Institute of Technology & Sciences
Deemed University
Coimbatore

06.06.2020 | 11 AM TO 12 PM

E-Certificate will be provided

Co-ordinators

Mr. W. Newton David Raj

AP / ECE

Convener

Mrs. N. Mangaiyarkarasi

HOD / ECE

Ms. P. Thirumagal

AP / ECE

Patron

Dr. J. Arputha Vijaya Selvi

Principal

<https://forms.gle/z9iGBvyVY3nFDJDf8>

Registration Link

Registration Details

S.NO	NAME OF THE COLLEGE	LOCATION	NO.OF THE PARTICIPANTS
1.	A.V.C. COLLEGE OF ENGINEERING	MAYILADUTHURAI	1
2.	AAA COLLEGE OF ENGINEERING AND	SIVAKASI	5
3.	ADIKAVI NANNAYA UNIVERSITY	ANDHRAPRADESH	3
4.	ADITYA DEGREE COLLEGE,	BHIMAVARAM	2
5.	ADITYA DEGREE COLLEGE	TUNI	3
6.	AHALIA SCHOOL OF ENGINEERING AND	PALAKKAD, KERALA	1

7.	AMRITA POLY TECHNIC COLLEGE	NAGERCOIL	2
8.	ANDHRA LOYOLA INSTITUTE OF ENGINEERING	ANDHRA PRADESH	3
9.	ANNA UNIVERSITY REGIONAL CAMPUS	COIMBATORE	2
10.	ANNAMACHARYA INSTITUTE OF TECHNOLOGY	ANDHRA PRADESH	6
11.	ARASAN GANESAN COLLEGE OF PRECEPTORS	SIVAKASI	1
12.	ARCOT SRI MAHALAKSHMI WOMEN'S COLLEGE	VILLAPAKKAM	1
13.	ASHOKA INSTITUTE OF ENGINEERING & TECHNOLOGY	HYDERABAD	2
14.	AUDISANKARA INSTITUTE OF TECHNOLOGY	GUDUR	2
15.	AVANT GARDE ACADEMY	MANIPUR	1
16.	B.V.RAJU COLLEGE	ANDHRA PRADESH	1
17.	B.V.V.SANGHA'S BASAVESHWAR SCIENCE	KARNATAKA	1
18.	B.V.V'S BASAVESHWARA ENGINEERING	KARNATAKA	1
19.	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	SATHYAMANGALAM	6
20.	BASAVESHWAR ENGINEERING COLLEGE	BAGALKOT	19
21.	BISHOP AMBROSE COLLEGE	COIMBATORE	1
22.	BVC INSTITUTE OF TECHNOLOGY AND SCIENCE	ANDHRA PRADESH	3
23.	BVVS AKKAMAHADEVI WOMEN'S	BAGALKOT	2
24.	C.ABDUL HAKEEM COLLEGE (AUTONOMOUS)	THIRUVALLUR	1
25.	CH. S. D. ST THERESA'S COLLEGE FOR	ANDHRA PRADESH	2
26.	COLLEGE OF ENGINEERING ROORKEE	UTTARAKHAND	1
27.	DADI INSTITUTE OF ENGINEERING AND	ANDHRA PRADESH	1
28.	DNR COLLEGE OF ENGINEERING AND	ANDHRA PRADESH	4
29.	DON BOSCO COLLEGE	MEGHALAYA	2
30.	DR. MAHALINGAM COLLEGE OF ENGINEERING	POLLACHI	2
31.	ELURU COLLEGE OF ENGINEERING AND	ANDHRA PRADESH	2
32.	ER.PERMUAL MANIMEKALAI COLLEGE OF	HOSUR	2
33.	G PULLAREDDY ENGINEERING COLLEGE	ANDHRA PRADESH	1

34.	G.M.MOMIN WOMEN'S COLLEGE	MAHARAstra	1
35.	GEC BARTON HILL	KERALA	1
36.	GH RAISONI COLLEGE OF ENGINEERING	NAGPUR,MAHARAstra	2
37.	GNaNAMANI COLLEGE OF TECHNOLOGY	NAMMAKAL	1
38.	GOKARAJU RANGARAJU INSTITUTE OF	HYDERABAD	1
39.	HOLY CROSS COLLEGE	NAGERCOIL	4
40.	IFET COLLEGE OF ENGINEERING	VILLUPURAM	1
41.	IKGPTU	KAPURTHALA	1
42.	IMAYAM ARTS AND SCIENCE COLLEGE	THURAIYUR	1

43.	JATSHIRIRAM ENGINEERING COLLEGE	DHARMAPURI	1
44.	JAMNALAL BAJAJ INSTITUTE OF MANAGEMENT	MUMBAI	1
45.	JAWAHARLAL COLLEGE OF ENGINEERING AND	KARNATAKA	1
46.	JEPPIAAR ENGINEERING COLLEGE	CHENNAI	1
47.	JEPPIAAR MAAMALLAN ENGINEERING	CHENNAI	1
48.	JEPPIAAR SRR ENGINEERING COLLEGE	CHENNAI	2
49.	JYOTHISHMATHI INSTITUTE OF	TELANGANA	2
50.	K RAMAKRISHNAN COLLEGE OF TECHNOLOGY	SAMAYAPURAM	14
51.	K. RAMAKRISHNAN COLLEGE OF ENGINEERING	SAMAYAPURAM	1
52.	KALLAM HARANADHAREDDY INSTITUTE OF	ANDHRAPRADESH	1
53.	KANDASWAMY KANDAR'S COLLEGE	VELLORE	1
54.	KARPAGA VINAYAGA COLLEGE OF	SALEM	1
55.	KARPAGAM COLLEGE OF ENGINEERING	COIMBATORE	1
56.	KINGS COLLEGE OF ENGINEERING	PUDUKKOTTAI	35
57.	KNOWLEDGE INSTITUTE OF TECHNOLOGY	KAKAPALAYAM	1
58.	KONGU ARTS AND SCIENCE COLLEGE	PERUNDURAI	1
59.	KONGU ENGINEERING COLLEGE	PERUNDURAI	8
60.	KONGUNADU POLYTECHNIC COLLEGE	PERUNDURAI	1
61.	KRISHNACHAITANYA INSTITUTE OF	CHENNAI	1
62.	KSK COLLEGE OF ENGINEERING AND	KUMBAKONAM	1
63.	LAKIREDDY BALIREDDY COLLEGE OF	ANDHRA PRADESH	1
64.	LEADING UNIVERSITY	BANGALADESH	1
65.	LENORA COLLEGE OF ENGINEERING	RAMPACHODAVARAM	2
66.	LORD JEGANNATH COLLEGE OF ENGINEERING	CHENNAI	1
67.	LYALLPUR KHALSA COLLEGE	JALANDHAR	1
68.	M.A.M SCHOOL OF ENGINEERING	TRICHY	1
69.	MAHENDRA COLLEGE OF ENGINEERING	NAMMAKKAL	1
70.	MAHENDRA ENGINEERING COLLEGE	NAMMAKKAL	2

71.	MAILAM ENGINEERING COLLEGE	VILLUPPURAM	1
72.	MALLAREDDY ENGINEERING COLLEGE	HYDERABAD	2
73.	MANDSAUR UNIVERSITY MANDSAUR	MANDSAUR	1
74.	MAR ATHANASIOUS COLLEGE OF ENGINEERING	KERALA	1
75.	MOHAMED SATHAK ENGINEERING COLLEGE	SIVAGANGAI	2
76.	MREC(A)	HYDERABAD	1
77.	MUTHAYAMMAL ENGINEERING COLLEGE	NAMMAKKAL	7
78.	NAGARJUNA GOVERNMENT DEGREE COLLEGE	NALGONDA	1
79.	NANDHA ENGINEERING COLLEGE	KOVILPATTI	2

80.	NATIONAL COLLEGE (AUTONOMOUS)	TRICHY	18
81.	NATIONAL INSTITUTE OF TECHNOLOGY	PUDUCHERRY	3
82.	NEW PRINCE SHRI BHAVANI ARTS AND	CHENNAI	1
83.	NIIT FOUNDATION	CHENNAI	1
84.	P.R.ENGINEERING COLLEGE	VALLAM	1
85.	PRESIDENCY COLLEGE MOTBUNG	MANIPUR	1
86.	PSNA COLLEGE OF ENGINEERING AND	DINDUGAL	2
87.	QULI QUTUB SHAH GOVERNMENT	HYDERABAD	1
88.	RAGHU ENGINEERING COLLEGE	VISHAKAPPATTINUM	1
89.	RAJIV GANDHI INSTITUTE OF MANAGEMENT &	KERALA	2
90.	RAMAKRISHNA MISSION VIVEKANANDA	CHENNAI	1
91.	ROHINI COLLEGE OF ENGINEERING AND	KANNIYAKUMARI	1
92.	S V COLLEGE OF ENGINEERING	TIRUPATHI	2
93.	SAHYADRI COLLEGE OF ENGINEERING	KARNATAKA	1
94.	SAHYADRI COLLEGE OF ENGINEERING AND	KARNATAKA	2
95.	SALESIAN COLLEGE	SILIGURI	2
96.	SARAH COLLEGE OF EDUCATION FOR WOMEN	ERODE	1
97.	SATHYABAMA INSTITUTE OF SCIENCE AND	CHENNAI	8
98.	SENGUNTHAR ENGINEERING COLLEGE	THIRUCHENGODE	1
99.	SHRI SHIRIDI SAI INSTITUTE OF SCIENCE	ANANTAPUR	1
100.	SIR C R R COLLEGE FOR WOMEN	ELURU	1
101.	SIR C R R WOMENS COLLEGE	ANDHRA PRADESH	1
102.	SIR C.R.REDDY COLLEGE FOR WOMEN	ELURU	7
103.	SIR ISSAC NEWTON COLLEGE OF ENGG AND	NAGAPATTINAM	1
104.	SONA COLLEGE OF TECHNOLOGY	SALEM	3
105.	SPHOORTHY ENGINEERING COLLEGE	HYDERABAD	1
106.	SRI GVG VISALAKSHI COLLEGE FOR WOMEN	UDUMALAIPETTAI	1
107.	SRI KRISHNA COLLEGE OF ENGINEERING AND	COIMABTORE	6

108.	SRI SAIRAM ENGINEERING COLLEGE	CHENNAI	2
109.	SRI SIVANI COLLEGE OF ENGINEERING	TRICHY	1
110.	SRM TRP ENGINEERING COLLEGE	TRICHY	1
111.	ST JOSEPH'S COLLEGE OF ENGINEERING AND	CHENNAI	1
112.	ST.JOSEPH'S INSTITUTE OF TECHNOLOGY	CHENNAI	1
113.	SWARNANDHRA COLLEGE OF ENGINEERING	NARSAPUR	6
114.	THE BLOOMINGTON ACADEMY	UAE	1
115.	THIAGARAJA COLLEGE OF PRECEPTOR	MADURAI	2
116.	UNIVERSITY COLLEGE OF ENGINEERING	RAMANATHAPURAM	1

117.	V. R. SIDDHARTHA ENGINEERING COLLEGE	VIJAYAWADA	1
118.	V.S.B COLLEGE OF ENGINEERING TECHNICAL	KARUR	2
119.	VIKRAMADITYA COLLEGE	MADHYA PRADESH	1

Registration Form

Questions Responses **500**

Modern Antenna Design Challenges


Form description

Email address *

valid email address

This form is collecting email addresses. [Change settings](#)

KINGS COLLEGE OF ENGINEERING, PUNAI, KULAM



Feedback Form

docs.google.com/forms/d/1mB4LQr_18ixMs2y5_jiByVncuD2NK_yu3tDnRKvj1k/edit#responses

feed back form- modern antenna ☆

Send

Questions Responses **140**

140 responses

Not accepting responses

Message for respondents

This form is no longer accepting responses, and has been set to automatically close by

Summary Question Individual

Name

140 responses

J VALARMATHI

Sample Certificates



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Certificate

This is to certify that

Fahema Parveen.S.I

of

Holy Cross College

has actively participated in the webinar titled "MODERN ANTENNA DESIGN CHALLENGES" organized by Department of Electronics and Communication Engineering of Kings College of Engineering, Pudukkottai on 06th June 2020.

Coordinator

Mr.W.Newton David Raj, AP/ECE
Mrs.P.Thirumagal, AP/ECE

Convener

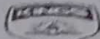
Mrs.N.Mangalyarkarasi
HOD/ECE

Patron

Dr.J.Arputha Vijaya Selvi
Principal

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Certificate

This is to certify that

Dr. I. Annapurna

of

Ch. S. D. St. Theresa's College for Women(A), Eluru

has actively participated in the webinar titled "MODERN ANTENNA DESIGN CHALLENGES" organized by Department of Electronics and Communication Engineering of Kings College of Engineering, Pudukkottai on 06th June 2020.

Coordinator

Mr.W.Newton David Raj, AP/ECE
Mrs.P.Thirumagal, AP/ECE

Convener

Mrs.N.Mangalyarkarasi
HOD/ECE

Patron

Dr.J.Arputha Vijaya Selvi
Principal

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Certificate

This is to certify that

V.Preethi

of

Sri GVG Visalakshi College for women

has actively participated in the webinar titled "MODERN ANTENNA DESIGN CHALLENGES" organized by Department of Electronics and Communication Engineering of Kings College of Engineering, Pudukkottai on 06th June 2020.

Coordinator

Mr.W.Newton David Raj, AP/ECE
Mrs.P.Thirumagal, AP/ECE

Convener

Mrs.N.Mangalyarkarasi
HOD/ECE

Patron

Dr.J.Arputha Vijaya Selvi
Principal

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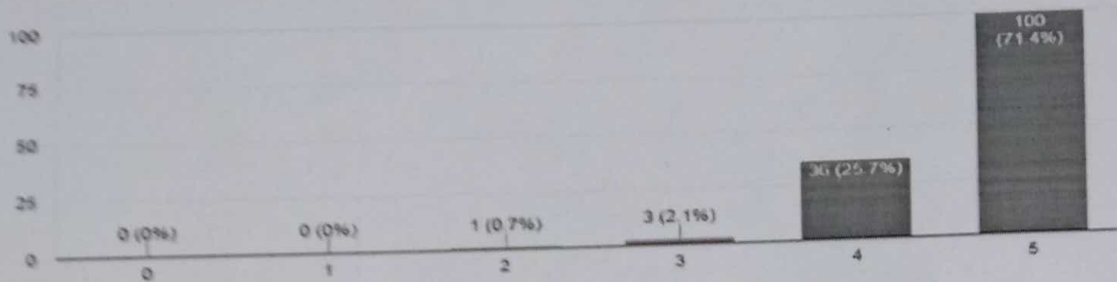
Feedback Response

Designation
140 responses

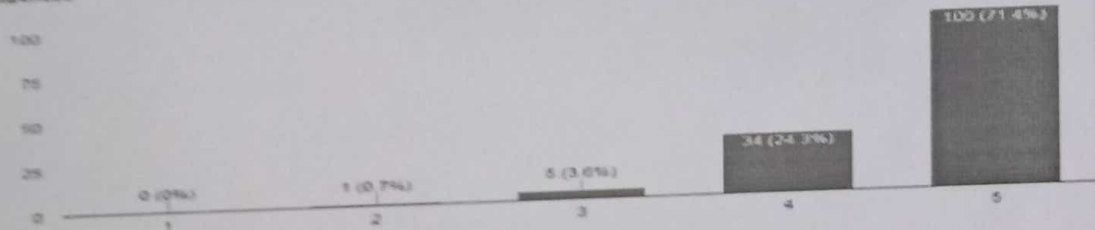


- Professor
- Associate professor
- Assistant professor
- Lecturer
- Student
- Industry person

Webinar content was
140 responses



How was the focus of the topic
140 responses



Overall, How did you rate this Webinar?
140 responses

