

K.S.R COLLEGE OF ENGINEERING

(AN AUTONOMOUS INSTITUTION)

NBA Accredited, Approved by AICTE and Affiliated to Anna University

TIRUCHENGODE-637215

Guest Lecture

On

RECENT TRENDS IN ANTENNAS



MR.P.RAMESH KUMAR,

DEAN-RESEARCH AND DEVELOPMENT,

SENGUNTHAR ENGINEERING COLLEGE,TIRUCHENGODE.

Coordinator: P.Sivasankar Rajamani, Associate Professor/ECE

Date: 10.11.2021

Venue:Seminar Hall

K.S.R.COLLEGE OF ENGINEERING, TIRUCHENGODE-637215
(AN AUTONOMOUS INSTITUTION)

NBA Accredited and ISO Certified Institution
Approved by AICTE and Affiliated to Anna University

WE CORDIALLY INVITE YOU ALL FOR THE GUEST LECTURE
On
"RECENT TRENDS IN ANTENNAS"

Lion Dr. K.S.RANGASAMY.,MJF,
Founder and Chairman, K.S.R. Group of Institutions,
Tiruchengode.

Will kindly consented to deliver the Presidential Address

Thiru. R.SRINIVASAN, B.B.M, MISTE.
Vice Chairman, K.S.R. Educational Institutions,
Tiruchengode.

Will kindly consented to deliver the Felicitation Address

Dr.P.SENTHILKUMAR,
Principal,
K.S.R.College of Engineering, Tiruchengode.
has kindly consented to preside over the function

Chief Guest

Dr.P.RAMESHKUMAR,
DEAN-RESEARCH AND DEVELOPMENT,
Sengunthar Engineering College, Tiruchengode.

Coordinator : Mr.P.Sivasankar Rajamani, Associate Professor/ECE

Date:10.11.2021

Venue: MCA Seminar Hall

Time:9.00 A.M

ALL ARE WELCOME

AGENDA

Invocation	:	ECE Students
Welcome Address	:	Dr.P.S.Periasamy, Professor and Head, Department of ECE, K.S.R.College of Engineering, Tiruchengode.
Presidential Address	:	Lion Dr. K.S.RANGASAMY.,MJF, Founder and Chairman, K.S.R. Educational of Institutions, Tiruchengode.
Felicitation Address	:	Thiru. R.SRINIVASAN, B.B.M, MISTE. Vice Chairman, K.S.R. Educational Institutions, Tiruchengode.
Felicitation Address	:	Dr.P.SENTHILKUMAR, Principal, K.S.R.College of Engineering, Tiruchengode.
Inaugural Address	:	Dr.P.RAMESHKUMAR, DEAN-Research and Development, Sengunthar Engineering College, Tiruchengode.
Vote of Thanks		



Lion Dr.K.S.Rangasamy.MJF
Founder chairman

K.S.R. College of Engineering (Autonomous)
Tiruchengode – 637 215

ONE DAY GUEST LECTURE PROGRAMME

RECENT TRENDS IN ANTENNAS

Department of ECE



Dr.P.Ramesh Kumar

Dean – Research and Development

Sengunthar Engineering College, Tiruchengode

Date : 10.11.2021

Venue : Seminar Hall



K.S.R.COLLEGE OF ENGINEERING (AUTONOMOUS), TIRUCHENGODE -637215
(Autonomous)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 10.11.2021

Submitted to the principal

Sub: Requisition to conduct Guest Lecture-Reg.

We have planned to conduct Guest lecture on "RECENT TRENDS IN ANTENNAS" for ECE students on 10.11.2021 from 09.00 a.m. to 2.00 p.m. .So we request you to grant the permission to conduct the Guest lecture on above mentioned date with a financial assistance of Rs.7000.

Resource person: Dr.P.RAMESHKUMAR,
DEAN-Research and Development,
Sengunthar Engineering College,
Tiruchengode.


IETE Coordinator

P.SivasankarRajamani,ASP/ECE


HOD/ECE

LETTER OF INVITATION

DATE: 08.11.2021

FROM

P.SivasankarRajamani,
Associate Professor/ECE,
K.S.R.College of Engineering,
Tiruchengode.

TO

Dr.P.Rameshkumar,
DEAN-Research and Development,
Sengunthar Engineering College,
Tiruchengode.

DEAR SIR,

On behalf of Department of Electronics and Communication Engineering -K.S.R.College of Engineering, I am very pleased to have the honor of inviting you to deliver Guest Lecture at our college on "Recent Trends in Antennas".

We have arranged the lecture on november10, 2021 at 09.00 a.m. We are expecting an audience of approximately 71 students from our department.

It would be a great honor and privilege if you would graciously participate in our event and shared your expertise on the topic with our participants. Please let us know if you will require any audio-visual equipment or additional technological support. Also, please keep us informed of your travel itinerary.

We are anticipating your reply and look forward to spending the day with you and listening to your knowledgeable speech.

We look forward to seeing you soon.


CO-ORDINATOR

(P.SivasankarRajamani,)


HOD-ECE


PRINCIPAL

11/8/2021



Sivasankar Rajamani <ssrajamani.vlsi@gmail.com>

Guest Lecture - Reg

2 messages

Sivasankar Rajamani <ssrajamani.vlsi@gmail.com>
To: prameshkumarsec@gmail.com

Sun, Nov 7, 2021 at 5:03 PM

Respected Sir,

Department of ECE , K.S.R college of Engineering organizes a Guest Lecture on the topic " Recent trends in Antennas" for III year Students in our college.

we would like to invite you to give a lecture on the topic mentioned above.so kindly let me know your availability and the date which is convenient for you along with your profile.

We look forward to your presence and guidance

Thanks and Regards,
T Sivashankar Rajamani,
Associate Professor,
Department of ECE,
K.S.R college of Engineering,Namakal.

brochure----.pdf
147K

Ramesh Kumar Palanivel <prameshkumarsec@gmail.com>
To: Sivasankar Rajamani <ssrajamani.vlsi@gmail.com>

Mon, Nov 8, 2021 at 9:43 AM

Sir,

Thanks for inviting me to deliver a Guest lecture on "Recent trends in Antennas".I accept your invitation and the given date is convenient for me.

Thanks & regards,
Dr.P.Rameshkumar.,M.E,Ph.D.,
Dean of R&D ,
Sengunthar engineering College,
Tiruchengode.

[Quoted text hidden]

PROFILE



Dr.P. RAMESH KUMAR.M.E.,Ph.D.,
DEAN - Research and Development,
Sengunthar Engineering College,
Tiruchengode Tk,Namakkal Dt. 637209.

ABOUT Dr.P.RAMESH KUMAR:

Experienced Research And Development Specialist with a demonstrated history of working in the higher education industry. Skilled in MIMO, Research and Development (R&D), Engineering, EPC, and Project Engineering. Strong education professional with a Master's Degree focused in ADVANCED COMMUNICATION SYSTEMS from SASTRA.

EDUCATIONAL QUALIFICATION:

- B.E in the year 1988 in Kongu Engineering college,Perundurai.
- M.Tech degree in Advanced Communication System in the year 2004 in SASTRA Thanjavur.
- Ph.D in ANNA UNIVERSITY in the year 2014
- Field of interest in teaching are Antennas and Wave Propagation,Digital Signal Processing,Signals and Systems,Electromagnetic Fields.

WORKING EXPERIENCE:

➤ Senior Instrumentation Engineer

Tamil Nadu Sponge Iron Limited

Feb 1991 - Mar 2002 11 years 2 months

SALEM

Maintaining YOKOGAWA DCS for the entire plant

- Started his teaching career from 2003 in Annai Mathammal Sheela Engineering College.
- He worked as a Lecturer in K.S.R College of Engineering from 2006 to 2008.
- In Vidya Vikas College of Engineering and Technology he erected the following labs and their physical structures. Electronic circuits Lab, Digital electronic Lab, LIC Lab, DSP Lab, Networks Lab .Started the students Association in 2009. Conducted National Level technical Symposium inaugurated by Dr.M.Madeswaran Principal, Muthayammal Engineering College. Released Student News Letter. Conducted Value added programs in the field of Embedded System for 2 weeks.
- At Vivekanandha College of Technology worked as Head of Department in ECE department, This College was started in 2009. He erected Electronics Circuits Lab. Digital Lab, DSP lab, Networks Lab, Communication Lab, Linear Integrated Circuits Lab, Microwave Lab, Optical Lab, Electronics System Lab, Started the Students Association and conducted various programs with chief guests Like Dr Wahidha Banu Principal GCE. Arranged Placement training programme for II and III year students in 2011.
- He presently working as a DEAN (R&D) in Sengunthar Engineering College, Tiruchengode.

GUEST LECTURES AND SKILLS:

- Act as a resource person for Antenna and Wave Propagation subject of Anna university .Got a good feed back from the third year students of Selvam College of tech. Covered the topics of Aperture antenna and Special antennas.
- Delivered Guest lecture on Digital Signal Processing in Excel College of Engineering and Technology and covered topics IIR filters and FIR filters.
- Delivered Guest lecture on Signals and Systems in Excel college of Engineering, covered topics of Laplace Transform and Z transform.
- Delivered a lecture on Special antennas and Frequency independent Antennas at K.S.R.College of Engineering and Technology in FDP sponsored by Anna University
- Delivered a Guest lecture at Excel College of Engineering on Antenna arrays and Wave Propagation

K.S.R College of Engineering

Computer / Technology

GUEST LECTURE
ON
"RECENT TRENDS IN ANTENNAS"

BY

DR P. RAMESHKUMAR M.E. PH.D.

DEAN-RESEARCH AND DEVELOPMENT

SINGUNTHAR ENGINEERING COLLEGE TIRUCHENGODE
TIRUNELVELI DISTRICT

Wireless Challenges

Consumer Demand

- Streaming HDTV content using MIMO technology
- Entire Home coverage for Voice and Data services
- Reliable wireless connectivity & consumers trust
- Seamless roaming between Voice and WiFi / WiMAX carrier services
- One device that does ALL

Industry Challenges

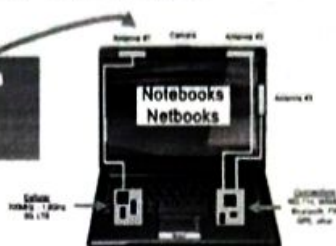
Smaller/ sleeker devices across broadening platforms



Industry Challenges

3 Antenna Configurations

- #1 Mobile cellular bands
- #2 Wi-Fi, WiMAX, Bluetooth
- #3 GPS, FM, other



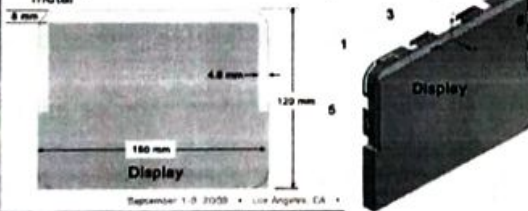
- Notebooks and Netbooks continue to reduce size and weight
- Support for multiple standards based radio technologies
 - Wi-Fi 802.11n, WiMAX, Mobile Cellular
 - Bluetooth, FM, GPS
- Placement area of multi-band antennas remains to be a challenge

ARMADA

Antenna Concept –

Mobile Internet Device (MID) Platform

- Six antennas in brow space
- Antennas 1 & 2: WWAN antennas + GPS (850/900/1800/1900/2100 + 1575 MHz)
- Antennas 3 & 4: Wi-Fi/WiMAX antennas (2.3 to 2.4, 2.4 to 2.5, 2.5 to 2.7 GHz + 4.9 to 5.9 GHz)
- Antennas 5 & 6: uwb antennas (3.0 to 6.0 GHz)
- All are planar antennas, can be made by FPC or sheet metal



September 1-5, 2008 • Los Angeles, CA

Summary

- Consumer demand for new feature rich wireless devices in the Digital Home will continue to grow and require additional antennas
- SkyCross technology addresses these requirements across ALL wireless device markets in the digital home
- IMAT technology is essential to 3G and 4G network rollouts



IMAT

4GWE

DATE: 10.11.2021

LETTER OF APPRECIATION

This is to appreciate and thank **Dr.P.RameshKumar (Dean- Research & Development)**, through his session in Guest Lecture on "**Recent Trends in Antennas**", conducted by our Department of Electronics and Communication Engineering on (10.11.2021)(Wednesday). This lecture helped the students to understand the concepts of the most important trends in the adoption of smart antennas in future system are presented, such as reconfigurability to varying channel propagation and network conditions, cross-layer optimization, and multi-user diversity, as well as challenges such as the design of a suitable simulation methodology and the accurate modeling of channel characteristics, interference, and implementation losses. Finally, market trends, future projections, and the expected financial impact of smart antenna systems deployment are discussed. The overall feedback of the session was very good.



PRINCIPAL

Impact Analysis on Guest Lecture

Department of Electronics and Communication Engineering had organized a Guest Lecture on "Recent trends in Antennas " on November 11th 2021 from 9:00 AM to 1:00 PM in Seminar Hall.

The guest lecture began with welcome address by Dr.P.S.Periasamy,Head of the Department,ECE. He introduced and welcomed **Mr. P.Ramesh Kumar,M.E.,Ph.D, Dean (Research and Development),Sengunthar Engineering College,Tiruchengode**, resource person to deliver the lecture. The lecture was attended by 71 students and 5 Faculty members of Electronics and Communication Engineering Department.

Mr. P.Ramesh Kumar,M.E.,Ph.D, explained about the brief history of Antennas and explained some important properties of antennas. He told us about IETE community, how it works its agenda and how it is being beneficial to an engineering students. He enlightened our brains about topics of research possible

The chief guest delivered the special address of effective learning and methodology for Antennas. A brief lecture on antennas in multi-field applications and types of antennas as well as antenna parameters . His presentation with the following topics (i) Antenna Arrays (ii) Nano and metamaterial antennas (iii) Drawbacks of existing antennas (iv) Optical antennas (v) Capsule Endoscope system (vi) Carbon Nanotubes

He had discussed on Parameters of Antennas, Radiation Pattern , Field Intensity, types of antennas and wave propagation and design equations. The participating students got an idea to design an antenna — height, spacing, drawbacks, limitations, how to overcome or improvise them later depending upon various applications.

Introduction of New technologies like UWB radios, MIMO and MSR (Multi- Standard Radio) in modern wireless communication in the recent past have demanded design and realisation of compatible antenna systems for each of these services and enhanced the antenna design challenges to a great extent.

The advancements in wireless communication and the use of new protocols have led to imbalance in spectrum allocation policies.The scarcity in spectrum allocation is caused due to different spectrum allocation policies and lack of available frequencies. To alleviate this problem, the spectrum has to be utilized effectively leading to new protocols like CR (Cognitive Radio).

Throughout this lecture, students gained a better understanding of trends in technologies and opportunities for future career growth. They also gained the knowledge of different techniques and models applied for developing new application or products.

K.S.R.COLLEGE OF ENGINEERING (AUTONOMOUS), TIRUCHENGODE -637215
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Impact Analysis on Guest Lecture

From Participant's Feedback

S.No	Parameter to be Analyzed	Number of Students			
		Extremely Good	Good	Quite Good	Poor
1.	Overall Organization of the Lecture	40	30	1	-
2.	Relevant Information	50	18	3	-
3.	Time and Venue	30	30	10	1
4.	Kindling about the Subject Knowledge	36	30	4	1
5.	Anticipation of Speech	29	40	-	2
6.	Opinion about Speaker	35	34	2	-
7.	Usefulness of the session from the Knowledge and information point of view	45	20	6	-
8.	Overall effectiveness of the Lecture	23	33	10	5

- The Guest Lecture was very informative that the students learnt about fundamentals of "Recent trends in Antennas". The lecture was even more interesting with the examples he gave relating to each topic. It was wonderful Knowledge sharing and gaining lecture regarding Antennas.

Impacts:

- This Guest lecture helped the students to improve their knowledge on the field of antenna and wave propagation and the students may have the opportunity to participate in more workshops that have taken place under various topics on antennas, held at various other colleges.
- The Students may also be insisted to publish many articles on different types of antennas.
- The Guest Lecture has also motivated the students to do more projects on "Recent trends in antennas".

Impacts on Programme Outcomes:

PO1-Engineering Knowledge:

This Guest Lecture provides basic engineering knowledge on antenna.

PO4: Conduct experiments, analyze and interpret experimental results and synthesize information to provide valid conclusion.

PO7 : Comprehend the impact of engineering solutions in a global, environmental, societal context.

PO11-Project Management and finance:

This lecture motivated many of the students to do project on antenna.

K.S.R. COLLEGE OF ENGINEERING,

K.S.R. Kalvi Nagar, TIRUCHENGODE - 637 215.

CASH/CHEQUE PAYMENT VOUCHER

Vr. No.....

Date...10.11.2021

Debit.....

Pay to...Dr. P. Rameshkumar.....a sum of Rs. 7000/-


Rupees...Seven Thousand only

towards...Remuneration for Guest lecture on
"Recent Trends in Antennas".....by Cash/Cheque/DD

No.....Dated.....


Prepared by


Cashier


Passed by


A.O.

Rece: ve
Payee Signature

K.S.R.COLLEGE OF ENGINEERING(AUTONOMOUS), TIRUCHENGODE -637215
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Guest Lecture on" RECENT TRENDS IN ANTENNAS"

List of Participants

S.NO	Register Number	Name of the Student	sign
1	1915002	ARAVINTHAN T	T. Aravindh
2	1915003	ARUNKUMAR S	S. Arun
3	1915004	ASHOKKUMAR K	K. Ashok
4	1915005	ASWATH T	T. Aswath
5	1915006	DINESH S	S. Dinesh
6	1915007	DINESHKUMAR T	T. Dinesh
7	1915008	DIWAHAR S J	S. J. Diwahar
8	1915009	GOWRIMANO HAR I S	S. Gowri
9	1915010	GOWTHAM R	R. Gowtham
10	1915011	ILAVARASAN K	K. Ilavarasan
11	1915012	INDUMATHI J	J. Indumathi
12	1915013	JAGADEEP S	S. Jagadeep
13	1915014	JAWAHAR DHANUSH A	A. Jawahar
14	1915015	JAYAPRAKASH M	M. Jayaprakash
15	1915016	JEEVANANDHAM C P	P. C. Jeevanandham
16	1915017	KALIDAS M	M. Kalidas
17	1915018	KAMARAJ J	J. Kamaraj
18	1915019	KARTHIKA DEVI K	K. Kartika
19	1915020	KAVIN M	M. Kavin
20	1915021	KAVINESH K	K. Kavinesh
21	1915022	KAVINMUTHU S	S. Kavinmuthu
22	1915023	KIRAN C	C. Kiran
23	1915024	KIRANRAJ T	T. Kiranraj
24	1915025	KISHORE D	D. Kishore
25	1915026	KUMAR S	S. Kumar
26	1915027	LINGESH S	S. Lingesh
27	1915028	LOGESH S D	D. S. Logesh
28	1915029	LOKENDRAN S	S. Lokendran
29	1915030	MAGIBALAN R	R. Magibalan
30	1915031	MANOJ B	B. Manoj
31	1915032	MANOJ T	T. Manoj
32	1915033	MOHAN S	S. Mohan

33	1915034	MOHANASELAN D V	M. Mohan Selan
34	1915035	MOHANPRASATH A	A. Mohan
35	1915036	MONISHA D	M. D.
36	1915038	NAVEENA M	N. M.
37	1915039	PERUMAL R	P. R.
38	1915040	PRABAKARAN R	P. R.
39	1915041	PRADEEPA S	S. P.
40	1915043	PRITHIVRAJ T	T. Prithiv
41	1915044	PRIYADHARSHINI V	V. Priya
42	1915045	RAGUL T	T. Ragul
43	1915046	RATHI DEVI E	E. Rathi
44	1915047	REWINRAGUL R	R. Rewin
45	1915048	RUTHURESH K B	B. Ruthu
46	1915049	SAKTHISREE M	M. Sakthi
47	1915050	SANJAY R	R. Sanjay
48	1915051	SANTHIYA G	G. Santhiya
49	1915052	SELVA PRAVEEN S	S. Selva
50	1915053	SETHU B	B. Sethu
51	1915054	SHALINI A	A. Shalini
52	1915055	SHARAN S	S. Sharan
53	1915056	SNEHA Y	Y. Sneha
54	1915058	SOWMYASHRI M	M. Sowmya
55	1915059	SREE GANESH M	M. Sree
56	1915061	SUBASHINI E	E. Subashini
57	1915062	SUBHA N	N. Subha
58	1915063	SUKUMAR V	V. Sukumar
59	1915064	SUSHMA S	S. Sushma
60	1915065	SWATHI R	R. Swathi
61	1915066	TAMILARASU M	M. Tamilarasu
62	1915068	THILAGA S	S. Thilaga
63	1915069	THILAKBALAJE S M	M. S. Thilak
64	1915070	THIRUMURUGAN V	V. Thirumuru
65	1915071	VASANTH R	R. Vasanth
66	1915072	VIGNESH V	V. Vignesh
67	1915074	VINOTHINI G	G. Vinothi
68	1915075	YOGESH R	R. Yogesh
69	1915501	SABARI M	M. Sabari
70	1915502	SREE HARISH N	N. Sree
71	1915503	TAMILSHRI S	S. Tamilshri

[Signature]

Faculty Co-ordinator

[Signature]

HoD-ECE

K.S.R COLLEGE OF ENGINEERING

NAMAKKAL -637215

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

FEEDBACK FORM

Name : Santhiya G
Course / Year : BE-ECF
Event : Guest Lecture Programme
Session Topic : Recent trends in Antennas

Feedback About

1. PROGRAM

Excellent ☒

Good ☐

Satisfactory ☐

Ok ☐

2. TECHNICAL ASSISTANCE

Excellent ☐

Good ☒

Satisfactory ☐

Ok ☐

3. CONTENT DELIVERY

Excellent ☐

Good ☒

Satisfactory ☐

Ok ☐

4. KNOWLEDGE IMPROVEMENT

Excellent ☐

Good ☒

Satisfactory ☐

Ok ☐

4. TIME MANAGEMENT

Excellent ☐

Good ☒

Satisfactory ☐

Ok ☐

5. Suggestions

Santhiya G
Signature of the Student

K.S.R COLLEGE OF ENGINEERING

NAMAKKAL -637215

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

FEEDBACK FORM

Name : T. Aravinthan
Course / Year : BE - ECE
Event : Guest Lecture Programme
Session Topic : Recent Trends in Systems

Feedback About

1. PROGRAM

Excellent ☐

Good ☒

Satisfactory ☐

Ok ☐

2. TECHNICAL ASSISTANCE

Excellent ☐

Good ☐

Satisfactory ☒

Ok ☐

3. CONTENT DELIVERY

Excellent ☐

Good ☐

Satisfactory ☒

Ok ☐

4. KNOWLEDGE IMPROVEMENT

Excellent ☐

Good ☐

Satisfactory ☐

Ok ☒

4. TIME MANAGEMENT

Excellent ☐

Good ☒

Satisfactory ☐

Ok ☐

5. Suggestions

T. Aravinthan
Signature of the Student

K.S.R COLLEGE OF ENGINEERING

NAMAKKAL -637215

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

FEEDBACK FORM

Name : Saathir

Course / Year : B.E - ECE

Event : Guest Lecture Programme

Session Topic : Recent trends in Antennas

Feedback About

1. PROGRAM

Excellent ☐

Good ☒

Satisfactory ☐

Ok ☐

2. TECHNICAL ASSISTANCE

Excellent ☒

Good ☐

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Ok ☐

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Excellent ☐

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Good ☒

Satisfactory ☐

Ok ☐

4. TIME MANAGEMENT


Excellent ☐

Good ☒

Satisfactory ☐

Ok ☐

5. Suggestions


Signature of the Student

K.S.R COLLEGE OF ENGINEERING

NAMAKKAL -637215

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

FEEDBACK FORM

Name : Jeevarandham C.P

Course / Year : B.E - ECE

Event : Guest Lecture Programme

Session Topic : Recent trends in Antennas

Feedback About

1. PROGRAM

Excellent ☐

Good ☐

Satisfactory ☒

Ok ☐

2. TECHNICAL ASSISTANCE

Excellent ☐

Good ☐

Satisfactory ☐

Ok ☒

3. CONTENT DELIVERY

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4. KNOWLEDGE IMPROVEMENT

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Good ☐

Satisfactory ☐

Ok ☒

4. TIME MANAGEMENT

Excellent ☐

Good ☐

Satisfactory ☒

Ok ☐

5. Suggestions

Jeevarandham C.P

Signature of the Student

K.S.R COLLEGE OF ENGINEERING

NAMAKKAL -637215

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

FEEDBACK FORM

Name : J. Indumathi

Course / Year : BE - ECE

Event : Guest Lecture Programme

Session Topic : Recent trends in Antennas

Feedback About

1. PROGRAM

Excellent ☐

Good ☒

Satisfactory ☐

Ok ☐

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Satisfactory ☐

Ok ☐

5. Suggestions

J. Indumathi
Signature of the Student

K.S.R COLLEGE OF ENGINEERING

NAMAKKAL -637215

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

FEEDBACK FORM

Name : RUTHURESH.K.B

Course / Year : BE - ECE

Event : Guest Lecture Programme

Session Topic : Recent trends in Antennas

Feedback About

1. PROGRAM

Excellent ☐

Good ☐

Satisfactory ☒

Ok ☐

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5. Suggestions


Signature of the Student

K.S.R COLLEGE OF ENGINEERING

NAMAKKAL -637215

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

FEEDBACK FORM

Name : Dr. Prasadharshini V.

Course / Year : BE - ECE

Event : Guest Lecture Programme

Session Topic : Recent trends in antenna's

Feedback About

1. PROGRAM

Excellent ☒

Good ☐

Satisfactory ☐

Ok ☐

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Good ☒

Satisfactory ☐

Ok ☐

4. TIME MANAGEMENT

Excellent ☐

Good ☒

Satisfactory ☐

Ok ☐

5. Suggestions

V. P. Jyoti
Signature of the Student

K.S.R.COLLEGE OF ENGINEERING(AUTONOMOUS), TIRUCHENGODE -637215

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on Guest Lecture

Topic: Recent Trends in Antennas

Speaker: Dr.P.Ramesh Kumar,Dean –Research and Development

Faculty Co-Ordinator: P.Sivasankar Rajamani.

Date & Time: 10.11.2021 at 10.00 A.M.

Department of Electronics and Communication Engineering had organized a Guest Lecture on "Recent Trends in Antennas" on 10th November 2021 from 9.00 AM to 1.00 PM in Seminar Hall.

The guest lecture began with welcome address by Dr.P.S.Periyasamy, Head of the Department, ECE. He introduced and welcomed Mr.P.RameshKumar, Dean – Research and Development,Sengunthar Engineering College,Tiruchengode, resource person to deliver the lecture. The lecture was attended by 71 students and 5 Faculty members of Electronics and Communication Engineering Department.

Guest Profile:

Mr.P.Rameshkumar has completed his B.E in thr year 1998 in Kongu Engineering College,Perundurai and M.Tech degree in Advanced Communication System in the year 2004 in SASTRA Thanjavur He completed Ph.D in Anna University in the year 2014.His field of interest in teaching are Antennas and Wave Propagation,Digital Signal Processing,Signals and Systems,Electromagnetic Fields. Experienced Research And Development Specialist with a demonstrated history of working in the higher education industry. Skilled in MIMO, Research and Development (R&D), Engineering, EPC, and Project Engineering. He presently working as a DEAN (R&D) in Sengunthar Engineering College,Tiruchengode.

The session ended with a hearty thanks and presenting of a memento to Mr.P Rameshkumar by Dr.P.S.Periyasamy in appreciation for taking the time out to educate the students on Recent Trends in Antennas He thanked the Management for providing the platform to organize guest lectures on innovative technologies He appreciated Faculty members, student volunteers and participants for the successful conduction of the event.

As per the feedback received from the participants it was very good learning experience. This lecture helped the students to understand the concepts of the most important trends in the adoption of smart antennas in future system are presented, such as reconfigurability to varying channel propagation and network conditions, cross-layer optimization, and multi-user diversity, as well as challenges such as the design of a suitable simulation methodology and the accurate modeling of channel characteristics, interference, and implementation losses