

K.S.R COLLEGE OF ENGINEERING

(AN AUTONOMOUS INSTITUTION)

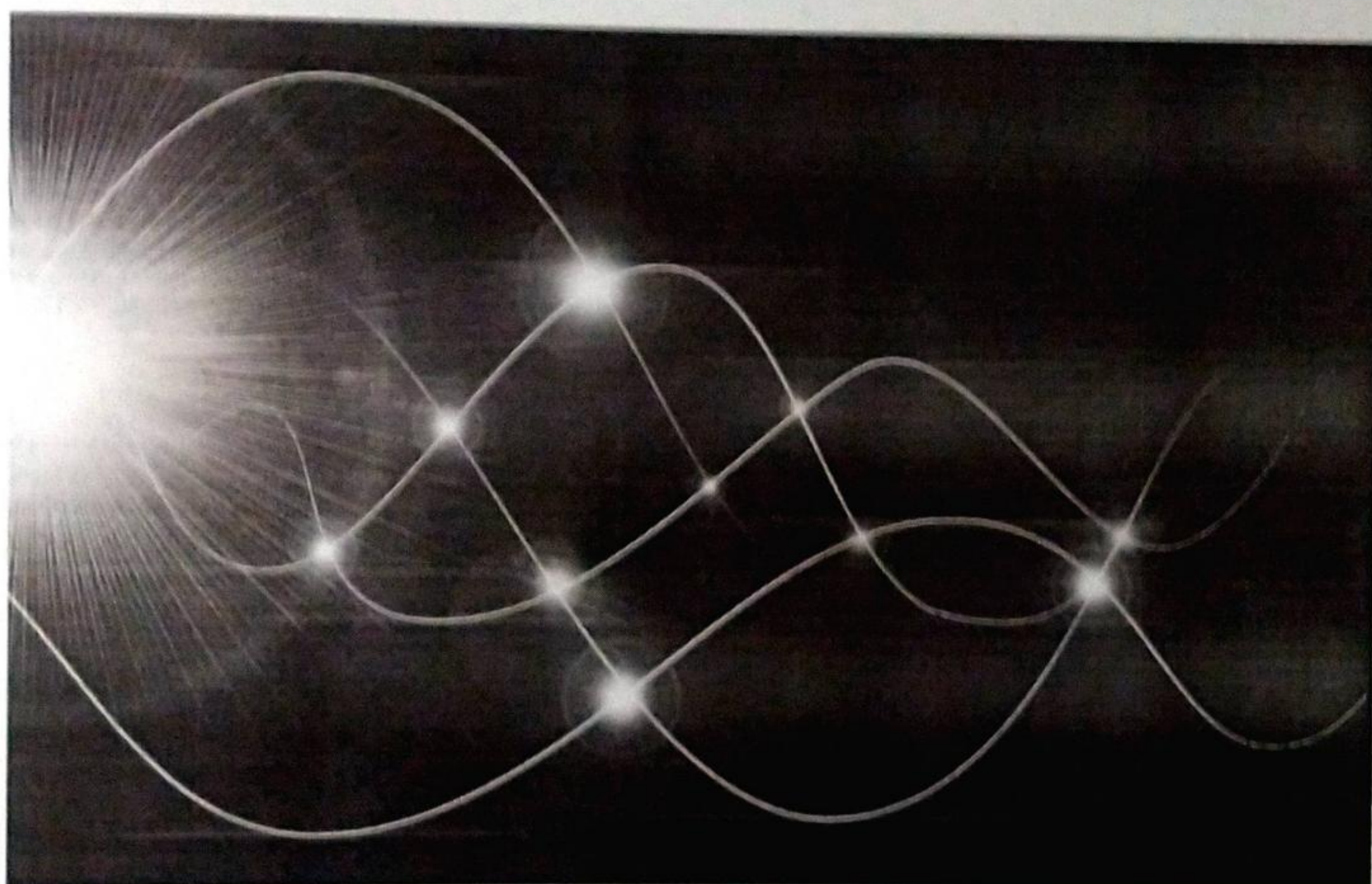
NBA Accredited, Approved by AICTE and Affiliated to Anna University

TIRUCHENGODE-637215

Guest Lecture

On

CONCEPTS OF SIGNALS AND SYSTEMS



MR.T.BALAKUMARAN, M.E, Ph.D

ASSISTANT PROFESSOR/ECE, CIT.

Coordinator: P.Sivasankar Rajamani, Associate Professor/ECE

Date: 23.11.2021

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
"CONCEPTS OF SIGNALS AND SYSTEMS"

Lion Dr. K.S.RANGASAMY.,MJE,
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.T.BALAKUMARAN
ASSISTANT PROFESSOR ECE DEPARTMENT,
COIMBATORE INSTITUTE OF TECHNOLOGY.

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

Date:23.11.2021

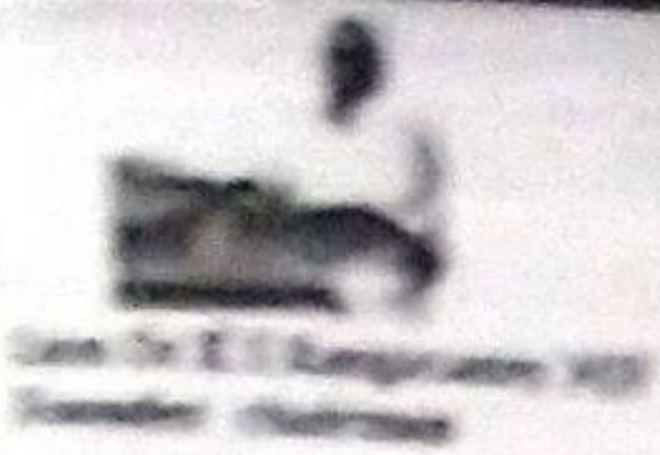
Venue: MCA Seminar Hall

Time:10.00 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.T.BALAKUMARAN, Assistant Professor, Coimbatore Institute of Technology, Coimbatore.
Vote of Thanks		



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

Guest Lecture Programme



Department of ECE

"Concepts of Signals and Systems"

Dr. T. Balakumaran M.E., Ph.D.

Assistant Professor Department of ECE
CIT coimbatore

Date : 23.11.2021

Venue : Seminar hall

Time : 10.00 Am

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

(Autonomous)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 23.11.2021

Submitted to the principal

Sub: Requisition to conduct Guest Lecture-Reg.

We have planned to conduct Guest lecture on "Concepts of signals and system" for ECE students on 23.11.2021 from 10.00 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. 6000.

Resource person:

Dr.T.Balakumaran,
Assistant professor,
Coimbatore Institute of Technology,
Coimbatore.



IETE Coordinator

P.SivasankarRajamani,ASP/ECE



HOD/ECE

LETTER OF INVITATION

FROM

P Sivasankar Rajamani,
Associate Professor Professor/ECE,
K S R College of Engineering,
Tiruchengode

DATE: 20.11.2021

TO

Dr T Balakumaran,
Assistant professor,
Coimbatore Institute of Technology,
Coimbatore.

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 "concepts of signals and system".

We have arranged the lecture on november 20, 2021 at 10.00 a.m. We are expecting an audience of approximately 85 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. Sivasankar Rajamani,)


HOD-ECE


PRINCIPAL

11/20/2021

Gmail - Guest Lecture -Reg



Sivasankar Rajamani <ssrajamani.vlsi@gmail.com>

Guest Lecture -Reg

2 messages

Sivasankar Rajamani <ssrajamani.vlsi@gmail.com>
To: balakumaran@cit.edu.in

Fri, Nov 19, 2021 at 4:40 PM

Respected sir,


Department of ECE, K.S.R college of Engineering organises a guest lecture for II year students.

Your expertise and knowledge in this area would add a great value to our listeners especially to the Faculties and students who require the guidance and path breaking ideas to lead their way through the tough competition in today's world

With your vast and in depth knowledge ,it would be great honour for us,if you kindly give a guest lecture on this topic " concepts of signals and systems" on 23.11.2021.

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,Namakkal.

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85K

Balakumaran T <balakumaran@cit.edu.in>
To: Sivasankar Rajamani <ssrajamani.vlsi@gmail.com>

Sat, Nov 20, 2021 at 4:45 PM

Thank you, sir. I accept your invitation

[Quoted text hidden]

Warm Regards
Dr.T.Balakumaran
AP(SG)/ECE department
Coimbatore Institute of Technology
Coimbatore

PROFILE



Name: Dr.T.Balakumaran.M.E., Ph.D.,

Designation : Assistant Professor/ECE,

Coimbatore Institute of Technology, Coimbatore.

Date of birth : 12.06.1982 Age : 36

Email ID : balakumaran@cit.edu.in

Contact No : 9944524451

Area of Specialization: Signal & Image Processing, Antenna design

EDUCATIONAL QUALIFICATION

Dr.T.Balakumaran did his Bachelor's degree in Electronics and Communication Engineering at Bannari Amman Institute of Technology (BIT), April 2003. He obtained his Master degree in Applied Electronics at BIT, June 2005. He has completed his research in Medical Image Processing under Faculty of Information and Communication Engineering, Anna University.

EMPLOYMENT DETAILS

Dr.T.Balakumaran is currently working as Assistant Professor at Coimbatore Institute of Technology, Coimbatore, India. Working at CIT, he lectures in Signals and Systems, Digital Signal Processing, Electromagnetic fields and Microwave Engineering subjects.

Prior to start of his career at Coimbatore Institute of Technology, he was working as Lecturer at Velalar College of Engineering and Technology, Erode from September 2005 to June 2010. At that time he has given lectures on Microprocessor & its applications, Digital Communication, Digital Image Processing, Satellite Communication, Advanced Digital Signal Processing and Information Theory Coding subjects

He has given around 10 guest lectures at various colleges and also his Publications includes 15 International Journals ,5 International conferences and 6 National Conferences.

ACADEMIC IDENTITY AND PROFESSIONAL BODIES

He guiding the research scholars & Students in their projects and also a reviewer of IET Image Processing, Current Medical Imaging Reviews, Journal of Experimental & Theoretical Artificial Intelligence. He interacting with the industrial institutes like Akademika Lab Solution Pvt.Ltd, Navi Mumbai, Entuple Technologies Pvt. Ltd., Bangalore ,Texas Instruments, Bangalore in ECE department. He having Academic ID in orchid ,scopus, Researcher and Google Scholar and also a life time member in ISTE.

K.S.R. College of Engineering and Technology
(Autonomous), Tiruchengode

Department of Electronics & Communication Engineering

Guest lecture

On

Concepts of Signals & Systems

by,

Dr. T. Balakumaran, M.E., Ph.D.

Asst. Prof. (ECE)

CIT, Coimbatore

Introduction to Signals

- Signals are variables that carry information.
- It is described as a function of one or more independent variables.
- Basically it is a physical quantity. It varies with some independent or dependent variables.
- Signals can be One-dimensional or multi-dimensional.

- **Signal:** A function of one or more variables that convey information on the nature of a physical phenomenon.

Examples: $v(t)$, $i(t)$, $x(t)$, heartbeat, blood pressure, temperature, vibration.

- **One-dimensional signals:** function depends on a single variable, e.g., speech signal
- **Multi-dimensional signals:** function depends on two or more variables, e.g., image

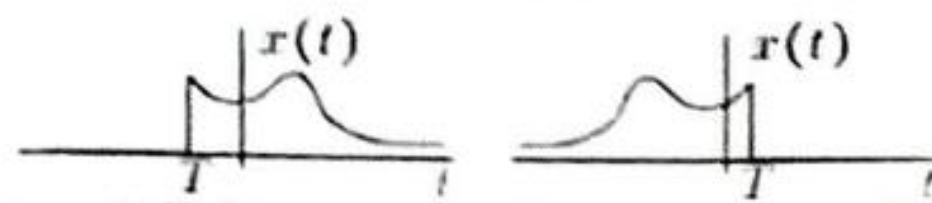
Causal & Non-causal Signals:

- A causal signal is zero for $t < 0$ and a non-causal signal is zero for $t > 0$



Right- and left-sided signals:

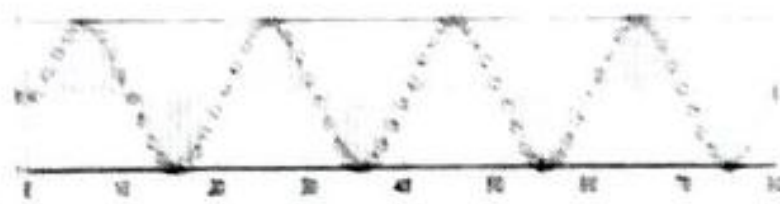
- A right-sided signal is zero for $t < T$ and a left-sided signal is zero for $t > T$ where T can be positive or negative.



Deterministic & Random Signals

Deterministic signals :

- Behavior of these signals is predictable w.r.t time
- There is no uncertainty with respect to its value at any time.
- These signals can be expressed mathematically.
- For example $x(t) = \sin(3t)$ is deterministic signal.



Random Signals:

- Behavior of these signals is random i.e. not predictable w.r.t time.
- There is an uncertainty with respect to its value at any time.
- These signals can't be expressed mathematically.
- For example: Thermal Noise generated is non deterministic signal.



DATE: 23.11.2021

LETTER OF APPRECIATION

This is to appreciate and thank Dr.T.BalaKumaran ,M.E.Ph.D,through his session in Guest Lecture on "Concepts of signals and systems", conducted by our Department of Electronics and Communication Engineering on 23.11.2021(Tuesday).This lecture helped the students to understand the concepts of signals and systems used in a wide range of engineering system and its application which is found in analog and digital signal processing such as in voice and image processing, consumer electronics etc. . The guest lecture was very interactive and students were benefited.



PRINCIPAL

Impact Analysis on Guest Lecture

Department of Electronics and Communication Engineering had organized an IETE sponsored Guest Lecture on "Concepts of Signals and Systems" on 23rd November 2021 from 10 00 AM to 2 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.T.Balakumaran,M.E,Ph.D,Assistant Professor,CIT Coimbatore**, resource person to deliver the lecture. The lecture was attended by 84 students and 5 Faculty members of Electronics and Communication Engineering Department.

In this lecture, Mr.T.Balakumaran has explained that signal is a voltage that is varying in time. It can also be a current varying in time. The most common signal is a sine wave, which is an oscillation at a fixed frequency. A test instrument that produces such signals while allowing us to adjust its in amplitude and frequency is called "a signal generator". Some signals are modulated i.e. they change at least one of their properties, amplitude, frequency or phase according to another signal such as a voltage representing voice. We then call the first signal "carrier" and the second signal "modulation".

In a communication channels, such as radio or cables, If the signal was intentionally modulated to carry information for our use it retains the name signal while unwanted signals from other users are called interference and the random signals produced by all circuits unintentionally are called noise. In a good communication channel the signal is strong while the noise is weak. All of the above signals are analog, meaning they are actual voltages. It is quite common today to represent real signals by sequences of digital numbers. We can then do signal processing by performing arithmetic operations on those numbers, a process known as digital signal processing, DSP. Most of our modern equipment including cable TV boxes, computers, CD players and mobile phones use voice and video as digital signals.

He also briefly described "Why Engineers build signals and systems"? Because such systems are complex, have trade-offs and performance limitations, and cost money. The world is composed of sensors, signals and information. Engineers build machines and tools which operate in the world so these things are our domain. These are matters subject to mathematical description. Understanding that analysis defines a technical skill necessary to engineers concerned with this design.

He mentioned "Signals and Systems" is the study of analog and digital signal processing, a topic that forms an integral part of engineering systems in many diverse areas, including seismic data processing, communications, speech processing, image processing, defense electronics, consumer electronics, and consumer products.

Through his Guest lecture the students get wide knowledge about the concepts of signals and its applications in the real world.

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	40	4	-
2.	Relevant Information	50	28	6	-
3.	Time and Venue	60	15	5	4
4.	Kindling about the Subject Knowledge	62	10	10	2
5.	Anticipation of Speech	69	11	4	-
6.	Opinion about Speaker	72	8	4	-
7.	Usefulness of the session from the Knowledge and information point of view	56	14	10	4
8.	Overall effectiveness of the Lecture	46	30	4	4

- The Guest Lecture was very informative that the students learnt about "Concepts of Signals and Systems". The lecture was even more interesting with the examples he gave relating to each topic. It was wonderful Knowledge sharing and gaining lecture regarding signals and systems.

Impacts:

- This Guest lecture helped the students to improve their knowledge on the field of signals and systems and the students may have the opportunity to participate in more workshops that have taken place under various topics on signal processing, held at various other colleges.
- The Students may also be insisted to publish many articles on signals and systems.
- The Guest Lecture has also motivated the students to do more projects on signals and systems.

Impacts on Programme Outcomes:

PO1-Engineering Knowledge:

This Guest Lecture provides basic engineering knowledge on signals and system.

PO11-Project Management and finance:

This lecture motivated many of the students to do project on signals and system.

.PO12-Life-long Learning:

This lecture provides information on signals and system and hence helps life-long learning.

PSO1 : Design and develop models for signal processing and communication systems

K.S.R. COLLEGE OF ENGINEERING,

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

CASH/CHEQUE PAYMENT VOUCHER

Vr. No.

Date 23.11.2021

Debit.

Pay to Dr. T. Balakumaran a sum of Rs. 6000/-

Rupees Six Thousand only

towards Remuneration for guest lecture on
"Concepts of signals and systems" by Cash/Cheque/DD

No. Dated.


Prepared by


Cashier


Passed by


A.O.

Recei ve

Payee's Signature

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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Guest Lecture on "Concepts of Signals & Systems"

List of Participants

S.NO	Register Number	Name of the Student	sign
1	2015001	ANANDHA PRAKASH R	R. Anandha
2	2015002	BALAJI S	S. Balaji
3	2015003	DHANRAAJ S	S. Dhana
4	2015004	GIRIDHARAN P	P. Giridharan
5	2015005	GOKUL K	K. Gokul
6	2015006	GOWTHAM M	M. Gowtham
7	2015007	HARIISH R S	S. Hariish
8	2015008	HARISH V	V. Harish
9	2015009	HEMANTH KUMAR M	M. Hemanth
10	2015010	JAICHANDRU S	S. Jaichandru
11	2015011	JAYAPRAKASH R	R. Jayaprakash
12	2015012	JAYAPRAVINRAJ R	R. Jayapravinraj
13	2015013	JEEVA R	R. Jeeva
14	2015014	JEEVANANTHAM P	P. Jeevanantham
15	2015015	JEEVANANTHAM P	P. Jeevanantham
16	2015016	JINU R	R. Jinu
17	2015017	KAMALESHKANNA P	P. Kamaleshkanna
18	2015018	KARTHICK RAJA P	P. Karthick Raja
19	2015019	KARTHIGADEVI T	T. Karthigadevi
20	2015020	KATHIRVEL R	R. Kathirvel
21	2015021	KIRUTHIKA D	D. Kiruthika
22	2015022	LOGESH S	S. Logesh
23	2015023	MAHAA SHURUTHY G	G. Mahaa Shuruthy
24	2015025	MANOBALA S	S. Manobala
25	2015026	MOHANA PRASATH K	K. Mohana Prasath
26	2015027	MOHANKUMAR GV	G. Mohankumar
27	2015028	NAVACHITHU PONKUMAR	M. Navachithu Ponkumar
28	2015029	PANDISELVI P	P. Pandiselvi
29	2015030	PERIYASAMY S	S. Periyasamy
30	2015031	PRADEEP R	R. Pradeep
31	2015032	PRAVEENKUMAR R	R. Praveenkumar
32	2015501	AJITHKUMAR S	S. Ajithkumar
33	2015502	BALAJI M	M. Balaji

34	2015503	DHARANIDHARAN B	B. Dhanu
35	2015504	GOKULRAM S	S. Gokul
36	2015505	HARIRAJ R	R. Hariraj
37	2015510	JAYASURYA A	A. Jayasurya
38	2015511	JEEVA P	P. Jeeva
39	2015512	JEGANATH T	T. Jegannath
40	2015513	KARTHICK S	S. Karthick
41	2015515	LOGA DEEPAK K U	U. Loga Deepak
42	2015517	MANIKANDAN P	P. Manikandan
43	2015033	PRAVEENKUMAR R	R. Praveenkumar
44	2015034	PUGAZHENTHI V	V. Pugazhenth
45	2015035	RAJA SRI B	B. Rajasri
46	2015036	RAMYA S S	S. Ramya
47	2015037	RISHIKESAN R	R. Rishikesan
48	2015038	SABARI S	S. Sabari
49	2015039	SANGAVI S	S. Sangavi
50	2015040	SANJAY L	L. Sanjay
51	2015041	SANTHIYA N	N. Santhiya
52	2015042	SANTHOSH K	K. Santhosh
53	2015043	SARAN C	C. Saran
54	2015044	SARAVANAN R	R. Saravanan
55	2015046	SHANJEVI M	M. Shanjevi
56	2015047	SIVAKUMAR M	M. Sivakumar
57	2015048	SNEKA GP	P. Sneha
58	2015049	SRI KOWSIKA V	V. Sri Kowsika
59	2015050	SRI SABHARISH S	S. Sri Sabharish
60	2015051	SRIDHARAN J	J. Sridharan
61	2015052	SRIVIDHYA A	A. Srividhya
62	2015053	SUBASH M	M. Subash
63	2015054	SUDHAKAR S	S. Sudhakar
64	2015055	SUDHAKAR N	N. Sudhakar
65	2015056	SUDHARSAN R	R. Sudharsan
66	2015057	SURIYA P	P. Suriya
67	2015058	SURUTHI K	K. Suruthi
68	2015059	SURYA V	V. Surya
69	2015060	SUVITHA M	M. Suvidha
70	2015061	VAISHNAVI M	M. Vaishnavi
71	2015062	VAISHNAVI V	V. Vaishnavi
72	2015063	VIGNESH A	A. Vignesh
73	2015516	LOGESH P	P. Logesh
74	2015518	MANJU R	R. Manju
75	2015519	MATHIAZHAGAN D	D. Mathiasagan
76	2015520	MUGUNTHAN R	R. Mugunthan
77	2015521	MUKUNTHAN M	M. Mukunthan
78	2015522	NARESH KUMAR S	S. Naresh Kumar

79	2015527	PRASAD T	T. Prasad
80	2015528	RANJITH G	Gr. Ranjith
81	2015529	SAKTHI R	R. Sakthi
82	2015530	SATHISHKUMAR G	G. Sathish Kumar
83	2015531	SUBASH M	M. Subash
84	2015532	YASUDHIN U	U. Yasudhin

[Signature]

Faculty Co-ordinator

[Signature]

HoD-ECE

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

FEEDBACK FORM FOR GUEST LECTURE

Register Number: 2015012

Name of the student: R. Jayapravina Raj

Topic: Signals and systems

Name of the Speaker: Dr. T. Balakumaran

If you attended the guest lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

Please '✓' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	poor
1.	How was the overall organization of the lecture?		✓		
2.	How relevant was the content discussed by the speaker?		✓		
3.	Are you satisfied with the time and venue?	✓			
4.	How much interesting this session was for you?	✓			
5.	Did the lecture cover what you were expecting?	✓			
6.	What is your opinion about the speaker?		✓		
7.	How much this session was useful from the knowledge and information point of view?	✓			
8.	Overall effectiveness of the lecture?	✓			

Additional Comments and Suggestions for Future

Date: 23.11.21

Thank you

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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FEEDBACK FORM FOR GUEST LECTURE

Register Number: 2015004

Name of the student: Anandha prakash R

Topic: Signals and systems

Name of the Speaker: Dr T Balakumaran

If you attended the guest lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

Please '✓' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	poor
1.	How was the overall organization of the lecture?	✓			
2.	How relevant was the content discussed by the speaker?	✓			
3.	Are you satisfied with the time and venue?	✓			
4.	How much interesting this session was for you?		✓		
5.	Did the lecture cover what you were expecting?		✓		
6.	What is your opinion about the speaker?		✓		
7.	How much this session was useful from the knowledge and information point of view?	✓			
8.	Overall effectiveness of the lecture?	✓			

Additional Comments and Suggestions for Future

Date: 23.11.2021

Thank you

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

FEEDBACK FORM FOR GUEST LECTURE

Register Number: 2015002

Name of the student: S. DHANENDRAN

Topic: SIGNALS & SYSTEMS

Name of the Speaker: Dr. T. BALAKUMARAN

If you attended the guest lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

Please ✓ the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	poor
1.	How was the overall organization of the lecture?	✓			
2.	How relevant was the content discussed by the speaker?		✓		
3.	Are you satisfied with the time and venue?			✓	
4.	How much interesting this session was for you?	✓			
5.	Did the lecture cover what you were expecting?		✓		
6.	What is your opinion about the speaker?	✓			
7.	How much this session was useful from the knowledge and information point of view?		✓		
8.	Overall effectiveness of the lecture?		✓		

Additional Comments and Suggestions for Future

Date: 23.11.2021

Thank you

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

FEEDBACK FORM FOR GUEST LECTURE

Register Number: 2015007

Name of the student: R.S. HARIISH

Topic: Signals & System

Name of the Speaker: Dr. T. Balakumaran

If you attended the guest lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

Please '✓' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	poor
1.	How was the overall organization of the lecture?	✓			
2.	How relevant was the content discussed by the speaker?		✓		
3.	Are you satisfied with the time and venue?	✓			
4.	How much interesting this session was for you?			✓	
5.	Did the lecture cover what you were expecting?		✓		
6.	What is your opinion about the speaker?		✓		
7.	How much this session was useful from the knowledge and information point of view?		✓		
8.	Overall effectiveness of the lecture?	✓			

Additional Comments and Suggestions for Future

Date: 23.11.2021

Thank you

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

FEEDBACK FORM FOR GUEST LECTURE

Register Number: 2015044

Name of the student: SARAVANAN, R

Topic: Signals & systems.

Name of the Speaker: Dr. T. Balakumaran.

If you attended the guest lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

Please "✓" the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	poor
1.	How was the overall organization of the lecture?	✓			✓
2.	How relevant was the content discussed by the speaker?	✓			✓
3.	Are you satisfied with the time and venue?	✓			
4.	How much interesting this session was for you?	✓			
5.	Did the lecture cover what you were expecting?	✓			
6.	What is your opinion about the speaker?	✓			
7.	How much this session was useful from the knowledge and information point of view?	✓			
8.	Overall effectiveness of the lecture?	✓			

Additional Comments and Suggestions for Future

This class is very easily understandable. Sir
teach us very well.

Date: 23.11.2021

Thank you

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

FEEDBACK FORM FOR GUEST LECTURE

Register Number: 2015030

Name of the student: Periyasamy. S

Topic: Signals & Systems

Name of the Speaker: Dr. T. Balakumaran

If you attended the guest lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

Please '✓' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	poor
1.	How was the overall organization of the lecture?	✓			
2.	How relevant was the content discussed by the speaker?			✓	
3.	Are you satisfied with the time and venue?		✓		
4.	How much interesting this session was for you?	✓			
5.	Did the lecture cover what you were expecting?			✓	
6.	What is your opinion about the speaker?		✓		
7.	How much this session was useful from the knowledge and information point of view?	✓			
8.	Overall effectiveness of the lecture?			✓	

Additional Comments and Suggestions for Future

Date: 23/11/2021

Thank you

FEEDBACK FORM FOR GUEST LECTURE

Register Number: 2015027

Name of the student: Mohankumar G.V

Topic: Signals & Systems

Name of the Speaker: Dr. T. Balakumaran

If you attended the guest lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

Please '✓' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	poor
1.	How was the overall organization of the lecture?	✓			
2.	How relevant was the content discussed by the speaker?		✓		
3.	Are you satisfied with the time and venue?	✓			
4.	How much interesting this session was for you?		✓		
5.	Did the lecture cover what you were expecting?	✓			
6.	What is your opinion about the speaker?	✓			
7.	How much this session was useful from the knowledge and information point of view?		✓		
8.	Overall effectiveness of the lecture?		✓		

Additional Comments and Suggestions for Future

Date: 23.11.2021

Thank you

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

FEEDBACK FORM FOR GUEST LECTURE

Register Number: 2013056

Name of the student: P. Suchaneer

Topic: Signals & Systems

Name of the Speaker: Dr. T. Balakrishnan

If you attended the guest lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

Please '✓' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	poor
1.	How was the overall organization of the lecture?	✓			
2.	How relevant was the content discussed by the speaker?	✓			
3.	Are you satisfied with the time and venue?	✓			
4.	How much interesting this session was for you?		✓		
5.	Did the lecture cover what you were expecting?	✓			
6.	What is your opinion about the speaker?	✓			
7.	How much this session was useful from the knowledge and information point of view?		✓		
8.	Overall effectiveness of the lecture?	✓			

Additional Comments and Suggestions for Future

Date: 23.11.2021

Thank you

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

Report on Guest Lecture

Topic: Concepts of Signals and Systems

Speaker: Dr T Balakumaran M.E., Ph.D

Faculty Co-Ordinator: P. Sivasankar Rajamani.

Date & Time: 23.11.2021 at 10.00 A.M.

Department of Electronics and Communication Engineering had organized a Guest Lecture on "Concepts of Signals And Systems" on 23rd November 2021 from 10.00 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.T.Balakumaran M.E.,Ph.D, Assistant Professor,CIT,Coimbatore, resource person to deliver the lecture. The lecture was attended by 84 students and 5 Faculty members of Electronics and Communication Engineering Department.

Guest Profile:

Dr T Balakumaran did his Bachelor's degree in Electronics and Communication Engineering at Bannari Amman Institute of Technology (BIT), April 2003. He obtained his Master degree in Applied Electronics at BIT, June 2005. He has completed his research in Medical Image Processing under Faculty of Information and Communication Engineering, Anna University. He is currently working as Assistant Professor at Coimbatore Institute of Technology, Coimbatore, India. Working at CIT, he lectures in Signals and Systems, Digital Signal Processing, Electromagnetic fields and Microwave Engineering subjects.

The session ended with a hearty thanks and presenting of a memento to Mr T Balakumaran by Dr P S.Periyasamy in appreciation for taking the time out to educate the students on Signals and Systems. 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 signals and systems used in a wide range of engineering system and its application which is found in analog and digital signal processing such as in voice and image processing, consumer electronics etc...