

K S R COLLEGE OF ENGINEERING, TIRUCHENGODE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University

Chennai

ORGANIZED BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

WEBINAR

ACADEMIC YEAR: 2019-2020

TITLE

“SIGNAL PROCESSING USING MATLAB”

on

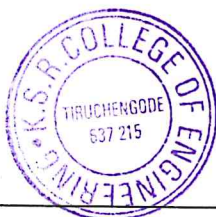
21.06.2020

Co-ordinators: Dr.P.S.Periasamy,Professor&Head /ECE

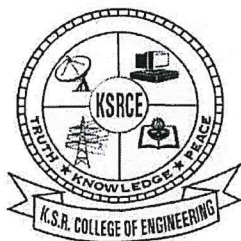
Mr.R.Veeramani,ASP/ECE

Mr.M.Jothimani,AP/ECE

Mr.K.Karuppanasamy,AP/ECE



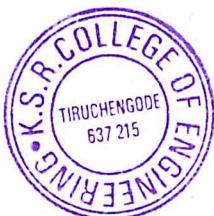

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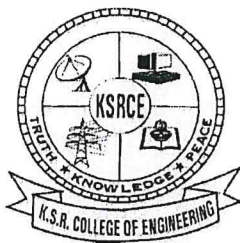
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Event Schedule and Report

1	Name of the Event(Seminar/Workshop/Conference/FDP/ Any other)	Webinar
2	Name of the Department	Electronics and Communication Engineering
3	Date of the Event	21.06.2020
4	Venue	Online mode through google meet
5	Title of the Event	Signal Processing using MATLAB
6	Name of the Co-ordinators	Mr. R. Veeramani, Asso. Prof/ECE Mr. M. Jothimani, AP/ECE Mr. K. Karuppanasamy, AP/ECE
7	Total Participants	124
8	Objectives of the Event	This webinar program offering a news kills and research methodologies to students and faculty members by sharing the innovative ideas related to the area of Signal Processing using MATLAB.




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**K.S.R COLLEGE OF ENGINEERING (Autonomous), Tiruchengode – 637
215 Department of Electronics and Communication Engineering**

Organizes

Webinar on “Signal Processing using MATLAB”

21th June 2020

Report of the Program

Intent of Webinar:

Skill development is mandatory among the students, research scholars and faculty members. Keeping this in mind, “Webinar on Signal Processing using MATLAB” was organized.

Theme of Webinar

Matlab is a vital teaching tool for courses in linear algebra, signals and systems, control theory, digital signal processing, and image processing because of its extensive and potent function set. Convolution, Fourier, Laplace, z-transform, and other important signal and system processing functions that Matlab offers substantially simplify the calculating process. The webinar explains how Matlab is used in digital signal processing (DSP) and signals and systems. Matlab offers a variety of techniques to investigate signals and systems in both continuous and discrete contexts. Some techniques can speed up operations by using effective algorithms, while others can perform the same tasks using mathematical processing to reduce complex calculations. Matlab can be applied at several levels to swiftly and effectively address problems. Thus, keeping this as main aim, this webinar on “Signal Processing using MATLAB” was organized on 26th June 2020.

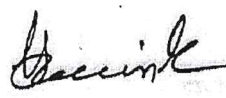
Topics Covered:


The Program is designed in such way that the participants start with learning about fundamentals of signal processing, it was wonderful for sharing and gaining knowledge regarding real time applications of signal processing. The following research topics were discussed in the webinar. They are:

- Signals in MATLAB
- Spectral Analysis
- Linear Time Invariant Systems
- Filter Design
- The Signal Analysis App
- Multirate Filters
- Adaptive Filter Design

This skill-development programme demonstrates how to use MATLAB, the Signal Processing Toolbox, and the DSP System Toolbox to analyze signals and construct signal processing systems.


Co-ordinator


HOD/ECE


Principal




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Permission Letter

From

Mr.R.VEERAMANI & Mr.J.RAMESH KUMAR
Assiatant Professor,
Department of ECE,
K.S.R. College of Engineering,
Tiruchengode - 637 215

To

The Principal,
K.S.R. College of Engineering,
Tiruchengode – 637 215

Respected Sir,

Sub: Webinar on "Signal Processing using MATLAB" - Permission requested-Reg.

The ECE department has planned to conduct a Webinar on "I Signal Processing using MATLAB" on 21.06.2020. We request you to grant permission to conduct the Webinar for ECE department.

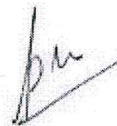
Thanking You

Date : 15.06.2020

Place : Tiruchengode



Yours sincerely,



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K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
WEBINAR ON "SIGNAL PROCESSING USING MATLAB"

WEBINAR REPORT

Information Brochure



K.S.R. COLLEGE OF ENGINEERING

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Department of Electronics and Communication Engineering



Organizes



On

Webinar

Lion Dr. K.S. RANGASAMY, MJE
Founder - Chairman
K.S.R. Educational Institutions

Mr. R.SREINIVASAN, BBM, MISTE
Vice - Chairman
K.S.R. Educational Institutions

SIGNAL PROCESSING USING MATLAB

Date: 21.06.2020 Time: 11.00 a.m. to 12.00 p.m.

Convener
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Professor & Head, Dept. of ECE

Coordinator
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Resource Person



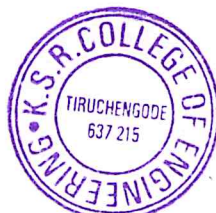
Dr.T.Balakumaran
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Coimbatore-641 014

REGISTRATION LINK : <https://forms.gle/WCtmmDDbC1q9L8MI8>

WHATSAPP GROUP LINK : <https://chat.whatsapp.com/KjYMB8Upc0EEP7110qPe03>

E-Certificate Provided for All the participants






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Resource Person Profile



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Profile Information [View Profile](#)

Teaching Responsibilities


- Digital Signal Processing
- Digital Image Processing
- Electromagnetic fields
- Signals & Systems
- Microwave Engineering

Academic background

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.

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.




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DEPARTMENT OF ELECTRONICS COMMUNICATION AND ENGINEERING

Webinar on "SIGNAL PROCESSING USING MATLAB"

DATE – 21.06.2020

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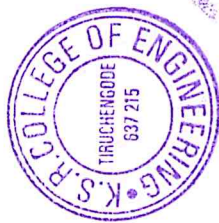
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123.	kpmani404@gmail.com	Mr. K.P. MANI	Assistant Professor	DNR COLLEGE OF ENGINEERING AND TECHNOLOGY	HOFVLG-CE000105
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K.S.R. COLLEGE OF ENGINEERING (Autonomous), TIRUCHENGODE-637215
DEPARTMENT OF ELECTRONICS COMMUNICATION AND ENGINEERING

Webinar on “ Signal Processing Using MATLAB ”

FEEDBACK FROM PARTICIPANTS

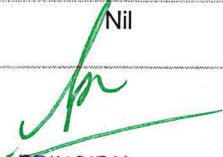
S.No	Email Address	Full Name	Designation	Institution Name	Overall, How would you rate the events ?	Any other Comments
1.	rameshatrs@gmail.com	Mr.J.RAMESHK UMAR	Assistant Professor	K.S.R.College of Engineering	Excellent	Super
2.	ksrrvmksr@gmail.com	VEERAMANI. R	Associate Professor	K. S. R COLLEGE OF ENGINEERING	Very Good	Nil
3.	nanthinix@gmail.com	NANTHINI T	Student	HECGT COIMBATORE	Excellent	Nice session
4.	buvana.d@dce.edu.in	Dr D BUVANA	Professor	DHANALAKSHMI COLLEGE OF ENGINEERING	Excellent	Good
5.	uvaraj.kp@gmail.com	Mr KP UVARAJAN	Assistant Professor	KSR COLLEGE OF ENGINEERING	Good	Thought provoking session
6.	brindha.bliss@gmail.com	Ms.S.BRINDHA	Assistant Professor	NANDHA ENGINEERING COLLEGE	Very Good	Nil
7.	vadivel@ksrce.ac.in	Mr. S. Vadivel	Assistant Professor	K.S.R College of Engineering	Good	Thanks for the session
8.	amsavalli.raj@gmail.com	DR.A.AMSAVALI	Professor	MAHABARATHI ENGINEERING COLLEGE	Very Good	Want clear ppt section
9.	parasuengineers@gmail.com	DR.S.PARASURAMAN	Professor	Karpaga Vinayaga College of Engineering and Technology	Excellent	Very nice session
10.	Kashifashalini1999@gmail.com	Ms. K. KASHIFA SHALINI	Student	NARASU'S SARATHY INSTITUTE OF TECHNOLOGY	Very Good	Need this topic webinar in another session
11.	senjinsiteee2001@gmail.com	MS. V.SENJI	Student	Narasu's Sarathy Institute of Technology, Salem	Excellent	Nothing
12.	manikandaprabube@gmail.com	Mr.N.MANIKAN DAPRABU	Assistant Professor	Nandha Engineering College	Excellent	Good
13.	divyaram2901@g	DIVYA.R	Student	SONA	Good	No




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	mail.com			COLLEGE OF TECHNOLOGY		
14.	sivateju278@gmail.com	Mrs.L.Sivagami	Assistant Professor	SRIRAM ENGINEERING COLLEGE	Good	Nice
15.	tamilmanimouli26@gmail.com	Mr.Tamilmani D	Student	K.S.R. College of Engineering	Excellent	Very nice session and is very informative..
16.	erparam@gmail.com	Ms.PARAMESH WARI VELUMANI	Assistant Professor	NANDHA ENGINEERING COLLEGE	Excellent	Nil
17.	mpyazhini11@gmail.com	Ms.Yazhini M.P	Student	KSR COLLEGE OF ENGINEERING	Excellent	Useful session
18.	kanisiddhes2497@gmail.com	Ms. A. S. KANIMOZHI	Student	KSR college of Engineering	Very Good	Informative session
19.	smantony20@gmail.com	Mr.S.MARIA ANTONY	Assistant Professor	KIT-KALAINAR KARUNANIDHI INSTITUTE OF TECHNOLOGY	Very Good	Very informative session.
20.	blatha87@gmail.com	Ms. B. LATHA	Assistant Professor	K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY	Excellent	Excellent session
21.	poornijagavi@gmail.com	Dr.R.POORNIMA	Assistant Professor	K.S.R. COLLEGE OF ENGINEERING	Excellent	Useful session
22.	karthiyayini@msec.org.in	Karthiyayini S	Assistant Professor	MOHAMED SATHAK ENGINEERING COLLEGE	Excellent	Good
23.	hani1997sweety@gmail.com	MS. J.HANI SURUTHY	Student	Sethu Institute of Technology	Excellent	Nice session
24.	jayapriyaashokan06@gmail.com	Ms.A.JAYAPRIYA	Student	Narasus sarathy institute of technology	Good	More informative
25.	arunkr912k@gmail.com	Arun Kumar R	Student	Sethu Institute of Technology	Excellent	Good session
26.	prasanthravimurugan@gmail.com	Mr. PRASANTH R	Student	K.S.R COLLEGE OF ENGINEERING	Very Good	No comments
27.	prasanthmdu2000@gmail.com	Mr.J.PRASANTH RAJ	Student	Sethu institute of technology	Excellent	No
28.	kavigolden229@gmail.com	Ms.A.C.KAVIYA SRI	Student	KSR COLLEGE OF ARTS AND SCIENCE FOR WOMEN	Excellent	Very useful and informative session
29.	eskvlsi@gmail.com	Mr.E.KANNAN	Assistant Professor	K.S.R. COLLEGE OF ENGINEERING	Very Good	Informative session...thanks
30.	rmahendranme@gmail.com	Mr.R.MAHENDRAN	Assistant Professor	K.S.R. COLLEGE OF	Good	Nil




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31.	brammadevanrp200@gmail.com	B. ANUSIYA	Student	NARASUS'S SARATHY INSTITUTE OF TECHNOLOGY	Very Good	Informative session
32.	gsowmiya106@gmail.com	Mrs.G.Sowmiya	Student	Avs engineering college	Excellent	No comments sir
33.	sornalathaangappank@gmail.com	Mrs.M.SORNALATHA	Associate Professor	K.S.R. COLLEGE OF ENGINEERING	Excellent	Nice presentation
34.	vinoece@ksriet.ac.in	Mr.VINOTHKUMAR B	Assistant Professor	KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY	Very Good	Nice
35.	poojasumathi19@gmail.com	MISS. POOJA. P	Student	KSR COLLEGE OF ENGINEERING	Excellent	very good session
36.	rajkumar.ece39@gmail.com	Mr.D.RAJKUMAR	Others	Sree Arumugham Polytechnic College	Very Good	Excellent
37.	rpoojapriyadharshini@gmail.com	MS. POOJA PRIYADHARSHI NI. R	Student	POOJA PRIYADHARSHI NI. R	Very Good	Informative session
38.	sgangaasridoc1@gmail.com	Ms.GANGAA SRI.S	Student	K.S.R. COLLEGE OF ENGINEERING	Excellent	Informative session
39.	shreerathish@gmail.com	Mr.K.RATHISH	Student	INSTITUTE OF ROAD AND TRANSPORT TECHNOLOGY	Very Good	Good
40.	kishorechandran310@gmail.com	Mr.C.KISHORE	Student	K.S.R. COLLEGE OF ENGINEERING	Excellent	Nice session
41.	ramu81alladi@nbkrist.org	A RAMA KRISHNA PRASAD	Assistant Professor	NBKRIST	Very Good	Good presentation sir
42.	nithyasree1030@gmail.com	Ms.K.NITHYASREE	Student	K.RAMAKRISHNAN COLLEGE OF ENGINEERING	Good	Awesome
43.	nandhini31999@gmail.com	Ms. K. NANDHINI	Student	NARASUS'S SARATHY INSTITUTE OF TECHNOLOGY	Excellent	Thank you sir for your elaborate explanation
44.	mohdsaadshamim@gmail.com	Mr. Mohd Saad Shamim	Student	I.E.T, M.J.P. Rohilkhand University, Bareilly	Very Good	No, but hope for more webinars or workshop
45.	logugovindan198@gmail.com	Mr. G. LOGESH	Student	K. S. R COLLEGE OF ENGINEERING	Good	No



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DEPARTMENT OF ECE

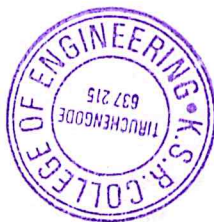
Impact Analysis on Webinar “Signal Processing Using MATLAB”

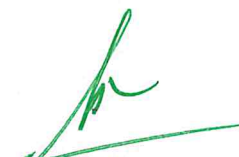
Department of Electronics and Communication Engineering had organized webinar on “Signal Processing Using MATLAB” on 21st June 2020 through online mode.

The guest lecture began with welcome address by the Head of the Department, ECE Dr.P.S.Periasamy. He introduced and welcomed Dr.T.Balakumaran, Assistant Professor (Senior Grade), Department of ECE, Coimbatore Institute of Technology, Coimbatore, resource person to deliver the lecture. The lecture was attended by 72 students and 52 Faculty members of various institutions.

The guest speaker Dr.T.Balakumaran focused on basic idea about Signal Procession using MATLAB and also focused on programming knowledge to design and develop Signal Processing applications.

The session ended with hearty thanks by Dr.R.Veeramani to Resource persons and participants. He thanked the Management for providing the platform to organize webinar on innovative technologies.




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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Impact Analysis on Webinar

From Participant's Feedback

S.No	Parameter to be Analyzed	Number of Participants			
		Extremely Good	Good	Quite Good	Poor
1.	Helpful of the webinar	63	41	7	-
2.	Overall Organization of the webinar	67	34	9	1
3.	Usefulness of the webinar from the Knowledge and subject point of view	65	40	6	-
4.	General suggestions/comments to improve the webinars	32	69	-	-

- The webinar was very informative that the faculties and students learnt about fundamentals of Signal Processing. It was wonderful for sharing and gaining knowledge regarding real time applications of Signal Processing. The lecture was even more interesting with the real time examples.

Impacts:

- This webinar helped the faculties and students to improve their knowledge on the field of MATLAB and Signal Processing 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 solving real life challenges and issues using Signal Processing.
- The webinar has also motivated the students to do more projects in Signal Processing.




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Impacts on Programme Outcomes:

PO1-Engineering Knowledge:

This webinar provides basic engineering knowledge on Signal Processing.

PO3 - Design/development of solutions:

This webinar helps to design solutions for complex Engineering problems.

PO5 - Modern tool usage:

This webinar helps to learn new tools in Signal Processing.

PO11-Project Management and finance:

This webinar motivated many of the students to do project on Signal Processing.

PO12-Life-long Learning:

This webinar provides information on Signal Processing and hence helps life-long learning.




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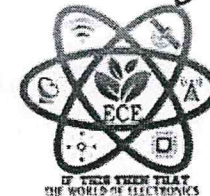
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Department of Electronics and Communication Engineering



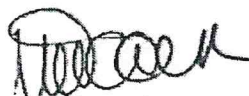
Certificate of Participation




Dr. D. BUVANA, PROFESSOR, ECE

DHANALAKSHMI COLLEGE OF ENGINEERING

has participated in the webinar on "Signal Processing using MATLAB"
organized by the Department of Electronics and Communication Engineering,
K.S.R. College of Engineering, Tiruchengode on 21.06.2020.


Coordinator
Mr. R. Veeramani
Associate Prof.-ECE




Convener
Dr. P. S. Periasamy
Prof. & HOD/ECE


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Dr. P. Senthilkumar