

Report on
AICTE-ISTE Sponsored One Week Online Refresher Programme
on
Applications of Signal Processing
20-12-2021 to 25-12-2021



Organized by
Department of Electronics and Communication Engineering



Dadi Institute of Engineering and Technology, Anakapalle

(Approved by AICTE, Permanently affiliated to JNTU, Kakinada)

NAAC Accredited Institute

Inclusion under Section 2(f) and 12(B) of UGC Act

NH-16, Anakapalle, Visakhapatnam

Andhra Pradesh- 531002

Website: www.diet.edu.in

Preface

Signal Processing has been playing vital role in every part of our Society. Signals Play important role in Telecommunications, Radar, Power Systems, Control Systems Applications.

Now a days there has been a rapid development in telecommunications and signal processing. It is necessary to review and update the knowledge on these topics.

So the AICTE-ISTE sponsored One week Online Refresher programme on Applications of Signal processing programme is aimed to refresh the Concepts and Applications of Signal Processing of faculty members, scientists, engineers, PG students who have been working in the field of signal processing.

Expert speakers are invited from IITs, NIITs, IIIT and Universities to deliver their talks on the concepts, applications, recent trends and development of signal processing.

I am sure that the participants will gain the clear information on Concepts and Applications of Signal Processing, which will further help them in their teaching and research.

Dr J BABU,
Professor of ECE,
Co-ordinator

Dr J BABU,B.Tech,M.Tech,MISTE,MIETE,MIEEE

Professor of ECE,

Co-ordinator.



Message from Co-Ordinator

Welcome to Dadi Institute of Engineering and Technology,Anakapalle, Visakhapatnam, Andhra Pradesh, a NAAC accredited institute, included under Section 2(f) and 12(B) of UGC Act.

It gives me immense pleasure to invite all the participants to attend the **AICTE-ISTE sponsored One week Online Refresher programme on Applications of Signal processing** scheduled from 20th December, 2021 to 25th December, 2021.

I am thankful to AICTE, New Delhi and ISTE New Delhi for sanctioning this One week Online Refresher programme on Applications of Signal processing.

Now a days there has been a rapid development in telecommunications and signal processing. It is necessary to review and update the knowledge on these topics.

So this programme is aimed to refresh the Concepts and Applications of Signal Processing of faculty members, scientists, engineers, PG students who have been working in the field of signal processing.

Expert speakers are invited from IITs, NIITsand Universities to deliver their talks on the concepts, applications, recent trends and development of signal processing.

The overwhelming response from participants from different institutions across the country has been a happy moment to us.

I am sure that the participants will gain the clear information on Concepts and Applications of Signal Processing, which will further help them in their teaching and research.

Dr J BABU

Shri Dadi Ratnakar,
Chairman,
Dadi Institute of Engineering and Technology,
Anakapalle, Visakhapatnam



Chairman's Message

It is with great pleasure that I invite you all to attend the **AICTE-ISTE sponsored One week Online Refresher programme on Applications of Signal processing** scheduled from 20th December, 2021 to 25th December, 2021.

This programme is designed for engineers, scientists, academicians, PG students who are new to the field of signal processing and analysis to help them to discuss, refresh and strengthen their existing skills.

Expert speakers are invited from IITs, NIITs, IIITs and Universities to deliver their talks on the concepts, applications, recent trends and development of signal processing.

It's heartening to know that about 100 participants from different parts of the country are taking part in this Refresher programme.

Our institute has played a cascading role in the career and personality of innumerable students who have brought laurels to the institute, state and the nation at large. We conduct a range of events every year to impart life skills that help the student fraternity to compete globally.

I am proud that Electronics and Communication Engineering Department in association with AICTE and ISTE is organizing this Refresher programme of this magnitude and wish that ISTE chapter of our institution will organize many more in days to come.

“Do participate, Get exposed to better ways of doing things”

DADI RATNAKAR

Dr ChallaNarasimham, M.Tech,Ph.D,DSc,
Principal,
Dadi Institute of Engineering and Technology,
Anakapalle, Visakhapatnam



Message from Principal

At the outset, I would like to extend my sincere thanks to AICTE and ISTE for their support and sponsor to this workshop. It gives me an immense pleasure to be TE sponsored one week online refresher program on “Applications of Signal Processing during 20.12.2021 to 25.12.2021”. This one week online refresher program intends to bring together Scientists, Academician, Engineers and Practitioners from the concerned discipline and to empower technical knowledge to the young faculty members in various engineering college. I take this opportunity to welcome all the eminent academicians, industry experts as resource persons and delegates to this workshop. This workshop will bring out the theoretical and practical exposure to the rapid development in technologies especially signal processing in many realworld applications. I hope this workshop serves as a locus for interdisciplinary and a space for discussion and collaboration. I would like to express my appreciation to the organization committee for their dedicated efforts to materialize the workshop. I hope all participants will gain the updated knowledge in the field of signal processing.

Dr CHALLA NARASIMHAM



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Brief Note:

The department of Electronics and Communication Engineering of Dadi Institute of Engineering and Technology has organized AICTE-ISTE Sponsored One Week Online Refresher Programme on Applications of Signal Processing during 20-12-2021 to 25-12-2021. Ninety three Participants have attended the Programme. Faculty members, PG Students across the country have participated the Programme.

The Inaugural session of the Programme held at 09:30 AM to 11:00 AM of 20-12-2021. Prof Vijay D Vaidya, Executive Secretary, ISTE, New Delhi was the Chief Guest and Col B .Venkat , Director, Faculty Development Cell, AICTE, New Delhi was the Guest of Honour of the Inaugural session. ECE Department HOD Dr P Poorna Priya has introduced about the ECE Department. The Programme Co-Ordinator has delivered opening remarks about the Refresher Programme. Principal Dr Challa Narasimham has addressed all the Participants. The Chief guest Prof Vijay D Vaidya spoke about the role of ISTE and importance of Refresher Programmes and their benefits. He emphasized all the Participants to learn new technologies by interacting with experts. Guest of Honour Col B.Venkat has elaborated the initiatives of AICTE for Faculty development. He has advised the participants to actively attend Refresher Programme. ISTE Co-Ordinator Mr T Ramesh Babu has delivered Vote of Thanks.

Sixteen Session were conducted including a session on National Education Policy 2020 and a session on Stress Management. Resource Persons from IITs, NITs, IIIT, Universities have delivered their expertise on Applications of Signal Processing.

The Valedictory session of the Programme held at 01:45 PM to 02:30 PM of 25-12-2021. Col B .Venkat, Director, Faculty Development Cell, AICTE, New Delhi was the Chief Guest and Prof Chandra Sekhar C Handa, Executive Member, ISTE, New Delhi was the Guest of Honour of the Valedictory session. The Programme Co-Ordinator has delivered the report on Refresher Programme. Participants have shared their Feedback. They have expressed immense satisfaction of conduction of the Programme. Principal Dr Challa Narasimham has congratulated all the Participants for their active participation. The Chief Guest Col B .Venkat spoke has appreciated all the Participants for their active participation and learning new technologies of Signal Processing. He has congratulated the Organizing Team for Successful conduction of the Programme. Guest of Honour Prof Chandra Sekhar C Handa, has elaborated the initiatives of ISTE and the role of NEP 2020in shaping the future of students. He has congratulated the Organizing Team for Successful conduction of the Programme. ISTE Co-Ordinator Mr T Ramesh Babu has delivered Vote of Thanks.



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Patrons

Shri. Dadi Veerabhadra Rao,
Founder, DIET, Anakapalle

Shri. Dadi Ratnakar,
Chairman, DIET, Anakapalle

Dr. Challa Narasimham, M.Tech, Ph.D, DSc
Principal, DIET, Anakapalle

Advisors

Dr K Eswara Rao, MSc, PhD,
Vice Principal, DIET, Anakapalle.

Dr K Sujatha, M.Tech, PhD,
R&D Cell Convenor

Co-Ordinator

Dr. J BABU, M.Tech, Ph.D, MISTE, MIETE, MIEEE
Professor, Department of ECE.

Steering Committee

Mr A Krishna Nag, HOD EEE

Mr T Ramesh Babu, ISTE Co-Ordinator

Dr P Poorna Priya, HOD ECE

Mrs DL Mythri

Mr KSNV Someswara Rao

Mrs P Amrutha

Ms Shaik Shabeena

Mr AVSN Varma

Mrs BT Archana

Mr R Suneel Kumar

M Kishore Kumar

Mrs K Poojitha

MrsKausar Jahan

Mrs M Jyothi

Co-Ordinator

Dr. J BABU, M.Tech, Ph.D,MISTE,MIETE,MIEEE

Professor, Department of ECE,

Co-Ordinator, AICTE ISTE Refresher Programme

Dadi Institute of Engineering and Technology,

Anakapalle, Visakhapatnam– 531002

E-mail: jbabuece@diet.edu.in

Mobile no: 9948184848

Theme of Refresher Programme

Signals in any system carry information. Signals Play important role in Telecommunications, Radar, Power Systems, Control Systems Applications. The system processes the signals. Signal processing is concerned with the representation, manipulation and transformation of signals and the information that they carry. It provides techniques for processing acquired time-series data for the purpose of efficient analysis and synthesis. With the development in Integrated circuit technology, there has been great improvement in signal processing circuits. Signal processing finds applications in the areas ranging from engineering, medicine, biology and astronomy.

The research in many areas such as signal coding and denoising has paved the path for advancements. Recent decade has witnessed major revolution in communication and processing of digital media. As a consequence, solutions to major problems in processing, transmission and reception have made signal processing an integral part of modern electronic systems.

To update the knowledge and improving organizational and pedagogical skills of teachers, this one week Refresher Programme has been planned. It will cover the concepts, applications, recent trends and developments of Signal Processing. This Refresher Programme is sponsored by AICTE and ISTE. Expert invited speakers from IITs, NITs, IIITs, Universities will deliver the talks.

The goal of the Refresher Programme is to bring the UG and PG students, Research scholars, Scientists on to one platform and to discuss various Applications of Signal Processing.

Course Contents

- ❖ Digital Signal Processing
- ❖ Multirate Signal Processing
- ❖ Digital Image Processing
- ❖ Random Processes
- ❖ Statistical Signal Processing
- ❖ Adaptive Signal Processing
- ❖ Bio-Medical Signal Processing
- ❖ Speech, Audio and Video Signal Processing
- ❖ Radar Signal Processing
- ❖ Machine Learning Applications in Signal Processing
- ❖ Signal Processing applications in Power Systems
- ❖ Signal Processing applications in Control Systems

Who can Attend

This program is open to the following people with ECE/EEE/EIE/ECM/Electronics background.

1. Faculty Members of AICTE approved institutions
2. Engineers/Scientists from different Organizations
3. Research Scholars
4. M.E/M.Tech students

Registration Fee: NIL

Organizing Committee

Faculty Members of ECE Department

Resource Persons

Dr Subrahmanyam Murala, IIT Ropar
Dr K Sri Rama Murthy, IIT Hyderabad
Dr Shaik Rafi Ahmed, IIT Guwahati
Dr Anil Kumar V, IIIT, Hyderabad
Dr T Kishore Kumar, NIT, Warangal
Dr P Srihari, NIT, Surathkal
Dr. V Sandeep, NIT, Andhra Pradesh
Dr Ch Srinivasa Rao, JNTUK UCE, Narasaraopet
Dr G Sasi Bushan Rao, AUCE(A), Visakhapatnam
Dr BT Krishna, JNTUK UCE(A),Kakinada
Dr K Chandra Bushana Rao, UCE(A),JNTU, Vizianagaram
Dr Nikhil Marriwala, Kurukshetra University,Kurukshetra
Prof B Ramesh Reddy, LBRCE, Mylavaram
Dr J BABU, DIET,Anakapalle
Mrs Aqhleema Shad, Visakhapatnam

Criteria for Certification of Participants

- a) Random test on daily basis should be carried out with minimum 5 objective /multiple choice questions on the topic covered for the day. Five such tests except last day are to be conducted and for certification participant has to qualify in minimum 3 out of 5 with 60%.
- b) Participant must have minimum 80% attendance for the session.
- c) Minimum 60% or more in final assessment test which should preferably objective type with minimum 50 questions on all topics covered in session with uniform distribution over topics.

Link for Registration

<https://docs.google.com/forms/d/1u4a5ec2VozSgB1m2NpjQvPCpGlz4RH-D6n7rVlvRqN0/edit>

Schedule of the Programme

Day 1 (Date: 20-12-2021)

Session 1: 09:30 AM to 11:00 AM

Inaugural Session

Chief Guest: Prof Vijay D Vaidya, Executive Secretary, ISTE, New Delhi.

Guest of Honour: Col B Venkat, Director, Faculty Development Cell, AICTE, New Delhi

Session 2: 11:30 AM to 01:00 PM

Topic: Machine Learning for Signal Processing

Speaker :

Dr. T. Kishore Kumar

Professor of ECE,

National Institute of Technology,

Warangal, Telangana.

Session 3: 01:45 PM to 03:15 PM

Topic: ECG Signal Processing

Speaker :

Dr BT Krishna

Professor of ECE,

JNTU College of Engg,

Kakinada,

Day 2 (Date: 21-12-2021)

Day 2 Session 1: 09:30 AM to 11:00 AM

Topic: Adaptive Signal Processing

Speaker :

Dr Shaik Rafi Ahmed,

Professor of ECE,

IIT Guwahati

Day 2 Session 2: 11:30 AM to 01:00 PM

Topic: Deep Generative Models for Medical Image Analysis

Speaker :

Dr Subrahmanyam Murala,

Associate Professor & HOD of EE

IIT Ropar,

Day 2 Session 3: 01:45 PM to 03:15 PM

Topic: Statistical Signal Processing

Speaker :

Prof B Ramesh Reddy

Professor of ECE

LBR College of Engineering, Mylavaram.

Day 3 (Date: 22-12-2021)

Day 3 Session 1: 09:30 AM to 11:00 AM

Topic: Digital Image Forensics

Speaker :

Dr Ch Srinivasa Rao

Professor of ECE& Principal

JNTU College of Engineering,

Narasaraopet.

Day 3 Session 2: 11:30 AM to 01:00 PM

Topic: Deep Learning for Speech Applications

Speaker :

Dr K Sri Rama Murthy

Associate Professor of EE,

IIT, Hyderabad.

Day 3 Session 3: 01:45 PM to 03:15 PM

Topic: Lab view Based Designing of a Bio-Signal Preprocessing System for ECG, EEG and
EMG Signals

Dr Nikhil Marriwala

Assistant Professor of ECE,

Kurukshetra University,

Kurukshetra

Haryana

Day 4 (Date: 23-12-2021)

Day 4 Session 1: 09:30 AM to 11:00 AM

Topic: Significant Image Processing Techniques for Medical Imaging.

Speaker :

Dr G Sasi bushana Rao
Senior Professor of ECE,
AU College of Engineering (A),
Visakhapatnam

Day 4 Session 2: 11:30 AM to 01:00 PM

Topic: Artificial Intelligence and Machine Learning in Speech Systems

Dr. Anil Kumar Vuppala,
Associate Professor of ECE,
Speech Processing Laboratory,
IIIT, Gachibowli
Hyderabad

Day 4 Session 3: 01:45 PM to 03:15 PM

Topic: Natural Healing Mechanism of Body and Stress Management

Mrs Aqhleema Shad,
Certified level 1 Healer,
(from YPV Karnataka)
Clinical Nutritionist,
Visakhapatnam

Day 5 (Date: 24-12-2021)

Day 5 Session 1: 09:30 AM to 11:00 AM

Topic: Human Vital Sign measurement using MM Wave Radar Sensors

Speaker :

Dr P Srihari,
Assistant Professor of ECE
NIT, Surathkal

Day 5 Session 2: 11:30 AM to 01:00 PM

Topic: National Education Policy 2020

Speaker :

Dr K Chandra Bushan Rao
Professor & Head of ECE,
JNTU College of Engg (A),
Vizianagaram

Day 5 Session 3: 01:45 PM to 03:15 PM

Topic: Signal Processing in Smart Grids

Speaker :

Dr V Sandeep
Assistant Professor &HOD,
EE Department,
NIT, Andhra Pradesh

Day 6 (Date: 25-12-2021)

Day 6 Session 1: 09:30 AM to 11:00 AM

Topic: Introduction to MM Wave Sensing

Speaker :

Dr P Srihari,
Assistant Professor of ECE,
NIT, Surathkal

Day 6 Session 2: 11:30 AM to 01:00 PM

Topic: Signals, Systems and Random Processes

Speaker :

Dr J BABU
Professor of ECE
DIET, Anakapalle.

Day 6 Session 3: 01:45 PM to 03:15 PM

Valedictory Session

Chief Guest: Col B Venkat, Director, Faculty Development Cell, AICTE, New Delhi

Guest of Honour: Prof CC Handa, EC Member, ISTE, New Delhi.

About the Institute

Dadi Institute of Engineering and Technology was founded in 2006 by Shri Dadi Veera bhadra Rao, an academician and a former Minister, Govt of Andhra Pradesh, in Anakapalle Visakhapatnam district. DIET is the top ranked Engineering and Management institute Permanently affiliated to Jawaharlal Nehru Technological University, Kakinada, Andhra Pradesh. DIET has been approved by AICTE, Accredited by NAAC and Certified by ISO. DIET has been included under Section 2(f) and 12(B) of UGC Act. DIET offers UG (B.Tech) Programmes in Civil Engg, CSE, ECE,EEE, CSE AIML, CSE DS and PG (M.Tech) Programmes in Computer Science and Engineering, Systems and Signal Processing, Power and Industrial drives. It also offers Master of Business Administration (MBA). DIET has been associated with Professional bodies like IEEE, IETE,CSI ACM, ISTE etc. DIET has MOUs/Collaborations with prestigious Organizations like ISRO, BSNL, Edu Skills etc.

DIET has highly qualified and committed faculty members, who have been promoting the highest standards among the students enabling them to build a new world. DIET has separate Research and Development Cell, Internal Quality Assurance Cell, Institute Innovation Cell.

About the ECE Department

The department of Electronics and Communication Engineering was started in 2006. The Department is offering an Under Graduate Programme (B.Tech) in Electronics and Communication Engineering with an intake of 120 and one Post Graduate Programme (M.Tech) in Systems and Signal Processing with an intake of 18.

The total faculty strength of the ECE department is more than 30, among them 3 are Professors. The ECE Department has organized several Guest Lectures and Workshops. The Department faculty are conducting their research work in Communication Systems, Signal Processing, VLSI and Embedded Systems areas. The department

is also encouraging all the faculty members and students towards professional body memberships and activities. The ECE Department promotes the student activities through its IETE Student Forum (ISF) apart from regular academics. The Department also conducts special classes for competitive exams like GATE, GRE, TOEFL. Some of the students have been pursuing PG Programmes in prestigious Institutions like NITs, IITs, and Universities.



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Programme Schedule



Day	Date	Session 1	Session 2	Session 3
		09:30 AM to 11:00 AM	11:30 AM to 01:00 PM	01:45 PM to 03:15 PM
1	20-12-21	Inaugural Session	Topic: Concepts of Signal Processing and Applications using Machine Learning Dr. T. Kishore Kumar Professor of ECE, National Institute of Technology, Warangal, Telangana.	Topic: ECG Signal Processing Dr B.T. Krishna Professor of ECE, JNTU College of Engg (A), Kakinada, Andhra Pradesh
2	21-12-21	Topic: Adaptive Signal Processing Dr Shaik Rafi Ahmed, Professor of ECE, IIT Guwahati Assam.	Topic: Deep Generative Models for Medical Image Analysis Dr Subrahmanyam Murala, Associate Professor & HOD of EE IIT Ropar,	Topic: Statistical Signal Processing Prof B Ramesh Reddy Professor of ECE LBR College of Engineering, Mylavaram, Andhra Pradesh
3	22-12-21	Topic: Digital Image Forensics Dr Ch Srinivasa Rao Principal, UCE, JNTUK, Narasaraopet. Andhra Pradesh	Topic: Applications of Deep learning in Speech Processing Dr. K Sri Rama Murthy, Associate Professor, IIT, Hyderabad Telangana	Topic: Labview Based Designing of a Bio-Signal Preprocessing System for ECG, EEG and EMG Signals Dr Nikhil Marriwala Assistant Professor, Kurukshetra University,
4	23-12-21	Topic: Significant Image Processing Techniques for Medical Imaging Dr G Sasibushana Rao Professor of ECE, AU College of Engineering (A), Visakhapatnam Andhra Pradesh	Topic: AI and ML in Speech Systems Dr. Anil Kumar Vuppala, Associate Professor of ECE, Speech Processing Laboratory, International Institute of Information Technology, Gachibowli, Hyderabad Telangana	Topic: Natural Healing Mechanism of Body and Stress Management MrsAqhleema Shad, Certified level 1 Healer, (from YPV Karnataka) Clinical Nutritionist, Visakhapatnam

5	24-12-21	<p>Topic: Human Vital Sign Measurement using MM Wave Radar Sensors</p> <p>Dr P Srihari, Asst Professor of ECE, NIT, Surathkal Karnataka</p>	<p>Topic: National Education Policy 2020</p> <p>Dr K Chandra Bushana Rao Professor of ECE, JNTU College of Engineering (A), Vizianagaram Andhra Pradesh</p>	<p>Topic: Signal Processing in Smart Grids</p> <p>Dr V Sandeep Assistant Professor &HOD, EE Department, NIT, Andhra Pradesh</p>
6	25-12-21	<p>Topic: Introduction to MM Wave Sensing</p> <p>Dr P Srihari, Asst Professor of ECE, NIT, Surathkal Karnataka</p>	<p>Topic: Signals, Systems and Random Processes</p> <p>Dr J BABU Professor of ECE DIET, Anakapalle. Andhra Pradesh</p>	<p>Valedictory Session and Final Assessment test</p>

List of Participants

S.No	Name of the Participant	Gender	Designation	Branch	Organization/Institute	State
1	A. Albert Rajan	Male	Associate Professor	EEE	Karunya Institute Of Technology And Sciences, Coimbatore	Tamilnadu
2	Altaf C	Male	Associate Professor	ECE	Lords Institute Of Engineering And Technology, Hyderabad	Telangana
3	Amanpreet Singh	Female	Assistant Professor	CSE	College Of Engineering and Management, Rampura Phul	Punjab
4	Amarendra Jadda	Male	Associate Professor	ECE	Audisankara College Of Engineering & Technology, Gudur	Andhra Pradesh
5	G.M.Anitha Priyadarshini	Female	Assistant Professor	ECE	Anurag University, Hyderabad	Telangana
6	Arshiya Sultana	Female	Assistant Professor	ECE	Lords Institute Of Engineering And Technology, Hyderabad	Telangana
7	Dr Singam Aruna	Female	Assistant Professor	ECE	Andhra University College Of Engineering, Visakhapatnam	Andhra Pradesh
8	B Kiran Kumar	Male	Associate Professor	ECE	Lords Institute Of Engineering And Technology, Hyderabad	Telangana
9	Vinod B	Male	Assistant Professor	ECE	Ganesh College Of Engineering	Tamilnadu
10	Balaji D	Male	Assistant Professor	ECE	Mahendra College Of Engineering, Salem	Tamilnadu
11	B Eshwar	Male	Assistant Professor	ECE	Lords Institute Of Engineering And Technology, Hyderabad	Telangana
12	Archana B T	Female	Assistant Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
13	R. Catherine Joy	Female	Assistant Professor	ECE	Karunya Institute Of Technology And Sciences	Tamilnadu
14	P V K Chaitanya	Male	Assistant Professor	ECE	Gayatri Vidya Parishad College Of Engineering For Women, Visakhapatnam	Andhra Pradesh
15	Kalagotla Chenchireddy	Male	Assistant Professor	EEE	Teegala Krishna Reddy Engineering College, Hyderabad	Telangana
16	Dr. Ch. Raja	Male	Associate Professor	ECE	Mahatma Gandhi Institute Of Technology, Hyderabad	Telangana
17	P. Devi Pradeep	Male	Assistant Professor	ECE	Anil Neeru Konda Institute Of Technology And Sciences Via zg	Andhra Pradesh
18	B. P. V. Dileep	Male	Assistant Professor	ECE	GVP College Of Engineering For Women, Via zg	Andhra Pradesh
19	Narsaiah Domala	Male	Assistant Professor	ECE	Lords Institute Of Engineering And Technology, Hyderabad	Telangana
20	Dr A V N Chandra Sekhar	Male	Professor	IT	Sasi Institute Of Technology & Engineering, TP Gudem	Andhra Pradesh
21	Mohan Krishna Varma N	Male	Professor	CSE	Madanapalle Institute Of Technology & Science	Andhra Pradesh
22	Nitu Chauhan	Female	Assistant Professor	ECE	Echelon Institute Of Tech, Haryana	Haryana
23	Gaganjot Kaur	Female	Assistant Professor	CSE	College Of Engineering and Management, Rampura Phul	Punjab
24	Manga Geethanjali	Female	Assistant Professor	ECE	Lords Institute Of Engineering And Technology, Hyderabad	Andhra Pradesh
25	A. S. L. K. Gopalamma	Female	Assistant Professor	EEE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
26	Dogiparthi Santhosh Gupta	Male	Assistant Professor	ECE	University College Of Engineering- JNTUK Narasaraopet	Andhra Pradesh
27	Dr Mohammad Jabirullah	Male	Associate Professor	ECE	Lords Institute Of Engineering and Technology, Hyderabad	Telangana
28	Malla Kishore Kumar	Male	Assistant Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
29	Kausar Jahan	Female	Assistant Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
30	Jayanthi. K	Female	Assistant Professor	ECE	Mahendra College Of Engineering, Salem	Tamilnadu
31	Komali Kalla	Female	Assistant Professor	CSE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh

32	Sasi Bhushan K	Male	Associate Professor	ECE	Lakireddy Bali Reddy College Of Engineering	Andhra Pradesh
33	L Jagadeesh Naik	Male	Associate Professor	ECE	Holy Mary Institute Of Technology And Science Hyderabad	Telangana
34	M K Linga Murthy	Male	Assistant Professor	ECE	Lakireddy Bali Reddy College Of Engineering, Mylavaram	Andhra Pradesh
35	Malathi L	Female	Assistant Professor	ECE	Sri Ramakrishna Institute Of Technology, Coimbatore	Tamilnadu
36	Md Touseef Sumer	Male	Assistant Professor	ECE	Lords Institute Of Engineering And Technology, Hyderabad	Telangana
37	Dr.M. Meenakumari	Female	Professor	ECE	Sri Ranganathar Institute Of Engineering And Technology	Tamilnadu
38	S.Meera	Female	Assistant Professor	ECE	Mahendra College Of Engineering, Salem	Tamilnadu
39	Y. M. Mahaboobjohn	Male	Assistant Professor	ECE	Mahendra College Of Engineering, Salem	Tamilnadu
40	Mirza Nemath Ali Baig	Male	Assistant Professor	ECE	Lords Institute Of Engineering And Technology, Hyderabad	Telangana
41	Jyothi Mandala	Female	Assistant Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
42	Mohammad Baig Mohammad	Male	Assistant Professor	ECE	Andhra Loyola Institute Of Engineering And Technology	Andhra Pradesh
43	Md Imaduddin	Male	Associate Professor	ECE	Lords Institute Of Engineering And Technology, Hyderabad	Telangana
44	Mude Rohit	Male	Assistant Professor	EEE	Holy Mary Institute Of Technology And Science, Hyderabad	Telangana
45	Shaik Mahammad Rasool	Male	Assistant Professor	ECE	Lords Institute Of Engineering And Technology, Hyderabad	Telangana
46	Mummadi Rajeswari	Female	Assistant Professor	ECE	Teegala Krishna Reddy Engineering College, Hyderabad	Telangana
47	Mythri Lakshmi Dasari	Female	Assistant Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
48	Nagarjuna Singam	Female	Assistant Professor	ECE	University College Of Engineering Kakinada(A)-JNTUK Kakinada	Andhra Pradesh
49	Dr. K. Naveen Kumar	Male	Professor	ECE	Holy Mary Institute Of Technology Hyderabad	Telangana
50	Narinder Singh	Male	Assistant Professor	CSE	Guru Nanak College Budhlada	Punjab
51	Ommi Lakshmi Bhavana	Female	Assistant Professor	EEE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
52	P Amrutha	Female	Assistant Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
53	P.Ramesh	Male	Assistant Professor	ECE	Holy Mary Institute Of Technology Hyderabad	Telangana
54	Pawan	Male	Research Scholar	EE	Deenbandhu Chhotu Ram University of Science And Technology Murthal, Sonapat	Haryana
55	Dr.P.M.K.Prasad	Male	Associate Professor	ECE	GVP College Of Engineering For Women, Visakhapatnam	Andhra Pradesh
56	Poojitha Kosuru	Female	Assistant Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
57	Dr.P.Poorna Priya	Female	Associate Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
58	R Prakash Kumar	Male	Assistant Professor	ECE	CVR College Of Engineering, Hyderabad	Telangana
59	Dr K Rajasekhar	Male	Assistant Professor	ECE	University College Of Engineering Kakinada, JNTUK Kakinada	Andhra Pradesh
60	M. Rajeswari	Female	Assistant Professor	ECE	Sree Rama Engineering College, Tirupati	Andhra Pradesh

61	Thotakura Venkata Ramani	Male	Assistant Professor	ECE	University College Of Engineering Kakinada(A), JNTUK Kakinada	Andhra Pradesh
62	T Ramesh Babu	Male	Assistant Professor	EEE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
63	Ravi Kumar Chakka	Male	Assistant Professor	EEE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
64	Dr. Rekha Rani	Female	Assistant Professor	CSE	Guru Nanak College Budhlada	Punjab
65	RosaiahMudigondla	Male	Assistant Professor	EEE	Teegala Krishna Reddy Engineering College	Telangana
66	Dr.B.Vidya Sagar	Male	Associate Professor	EEE	Teegala Krishna Reddy Engineering College, Hyderabad.	Telangana
67	Dr.V. Saidulu	Male	Assistant Professor	ECE	Mahatma Gandhi Institute Of Technology	Telangana
68	SampathkumarJ	Male	Assistant Professor	ECE	Mahendra College OfEngineering, Salem	Tamilnadu
69	Sapna Gangrade	Female	Assistant Professor	ECE	Lords Institute OfEngineering And Technology, Hyderabad	Telangana
70	Dr E Sarvameswarudu	Male	Associate Professor	ECE	Kakinada Institute of Technology and Science,Divili	Andhra Pradesh
71	Satyabrata Das	Male	Associate Professor	ECE	National Institute OfScience and Technology, Rourkela	Odisha
72	ShareaTakreem	Female	Assistant Professor	ECE	Lords Institute of Engineering And Technology	Telangana
73	SkMastan Sharif	Male	Assistant Professor	ECE	Malla Reddy Institute Of Technology, Hyderabad	Telangana
74	Sheik Shabeena	Female	Assistant Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
75	Mrinal Manjari	Female	Assistant Professor	ECE	Echelon Institute Of Technology, Faridabad	Haryana
76	KsnvSomeswararao	Male	Assistant Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
77	SrinivasaraoKodali	Male	Associate Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
78	SrinivasaraoKalluri	Male	Associate Professor	EEE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
79	Dr.Karimisetty Sujatha	Female	Professor	CSE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
80	Sumanpreet Kaur	Female	Assistant Professor	ECE	College Of Engg. &Management, Rampura Phul Punjab	Punjab
81	Rebeka Suneel Kumar	Male	Assistant Professor	ECE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
82	Swarnjeet Kaur	Female	Assistant Professor	ECE	College Of Engineering and Management, Rampura Phul	Punjab
83	T.Lakshmi Narayana	Male	Assistant Professor	EEE	Aditya College Of Engineering, Surampalem	Andhra Pradesh
84	Dr.TVS DIVAKAR	Male	Associate Professor	ECE	GMR Institute of Technology, Rajam	Andhra Pradesh
85	A Usharani	Female	Assistant Professor	ECE	Vignan's Institute Of Information Technology, Visakhapatnam	Andhra Pradesh
86	K Vijay Kumar	Male	Associate Professor	EEE	Dadi Institute Of Engineering and Technology, Anakapalle	Andhra Pradesh
87	KonidalaYogitha Bali	Female	Assistant Professor	ECE	Sree Rama Engineering College, Tirupati	Andhra Pradesh
88	BammidiVarasivaprasad	Male	Assistant Professor	EEE	Dadi Institute OfEngineering And Technology, Anakapalle, Visakhapatnam	Andhra Pradesh
89	Deleep Kumar Jami	Male	Associate Professor	EEE	Dadi Institute OfEngineering And Technology, Anakapalle, Visakhapatnam	Andhra Pradesh
90	L Jegan Antony Marcilin	Male	Assistant Professor	ECE	Sathyabama Institute Of Science And Technology, Chennai	Tamilnadu
91	Navadeep Singh	Male	Associate Professor	AS	Amritsar College OfEngineering And Technology, Amritsar	Punjab
82	Swathi Bankapalli	Female	Research Scholar	ECE	JNTU Kakinada	Andhra Pradesh
93	Vijaya Lakshmi Bobbarada	Female	Assistant Professor	ECE	Gonna Institute OfInformation Technology and Sciences, Visakahpatnam	Andhra Pradesh



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You're Cordially Invited



AICTE - ISTE Sponsored One Week
 Online Refresher Programme on
Applications of Signal Processing
 (20-12-2021 to 25-12-2021)

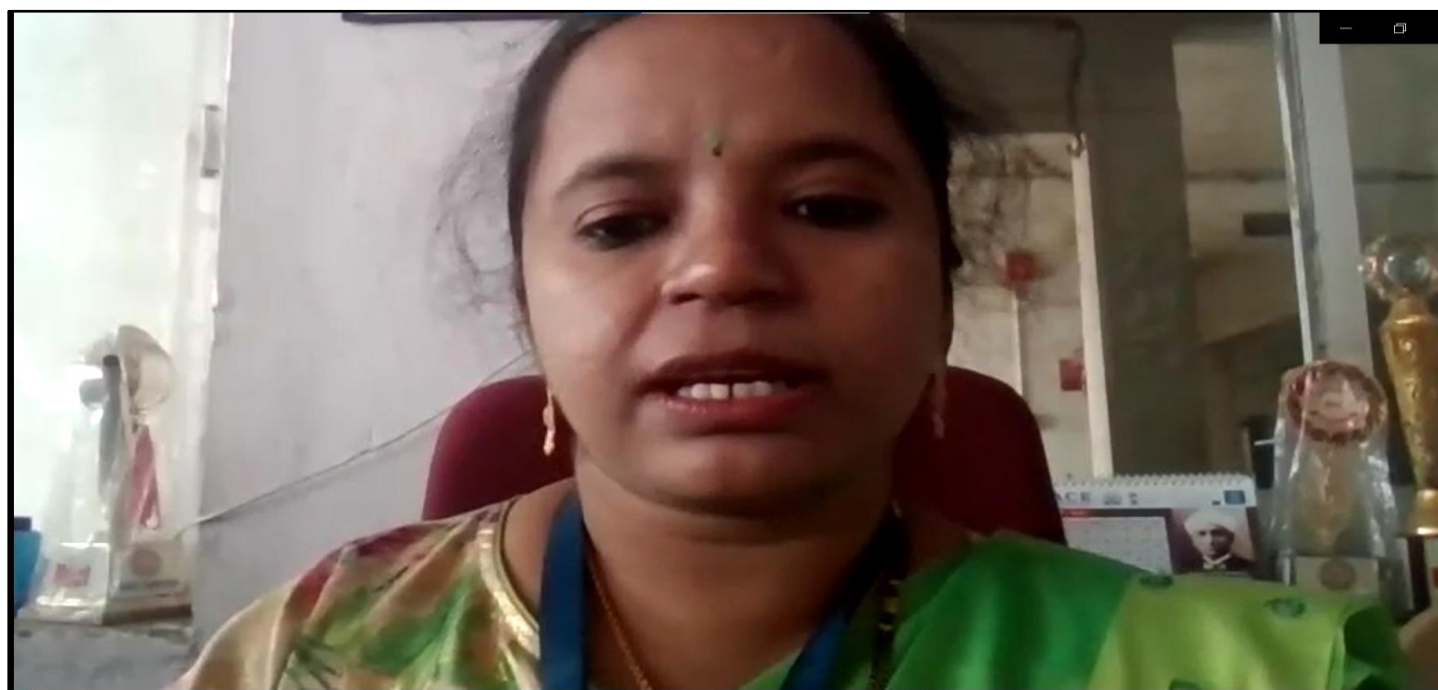


Organized by
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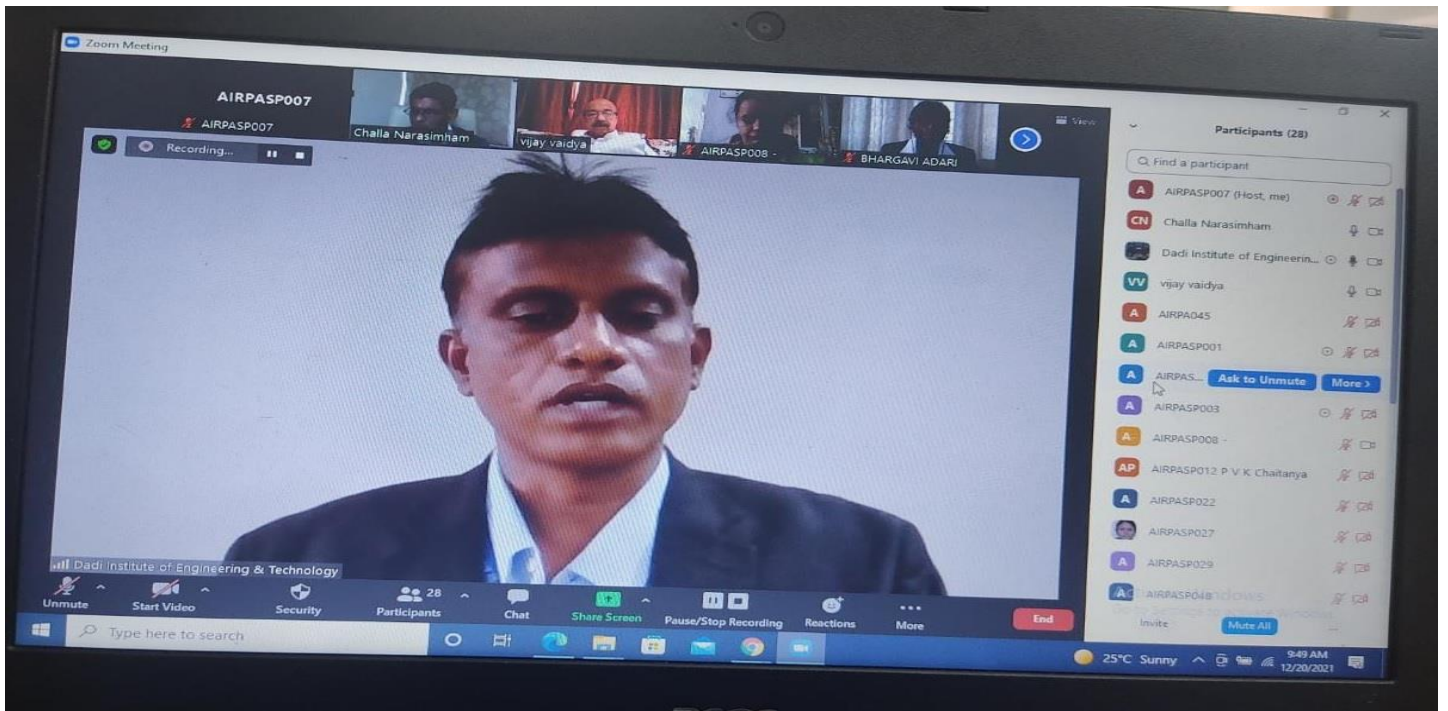
We are glad to invite you to the
Inaugural Session

Date : 20th December, 2021
 Time : 09:30 AM - 11:00 AM
 Venue : Online via Zoom Platform

Chief Guest		Guest of Honor	
Prof. Vijay D. Vaidya		Col. B.Venkat	
<i>Executive Secretary, ISTE, New Delhi</i>		<i>Director, Faculty Development Cell, AICTE, New Delhi</i>	
Dr. J. Babu	Mr. T. Ramesh Babu	Dr. P. Poorna Priya	Dr. Ch. Narasimham
Co-ordinator	ISTE Co-ordinator	IIOD ECE	Principal
			Shri Dadi Ratnakar
			Chairman



Dr P Poorna Priya, HOD, ECE Department is delivering Message (20-12-21)



Dr J BABU, Co-Ordinator is delivering Opening Remarks (20-12-21)



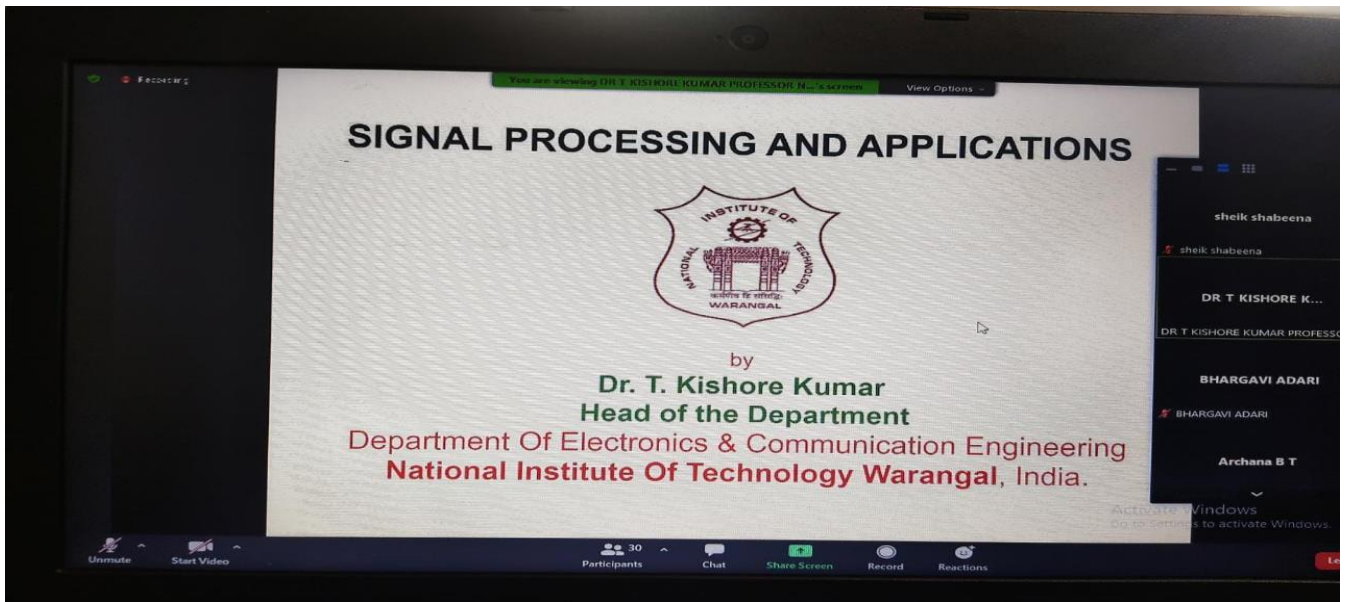
Dr ChallaNarasimham, Principal, DIET,Anakapalle is Addressing the Participants (20-12-21)



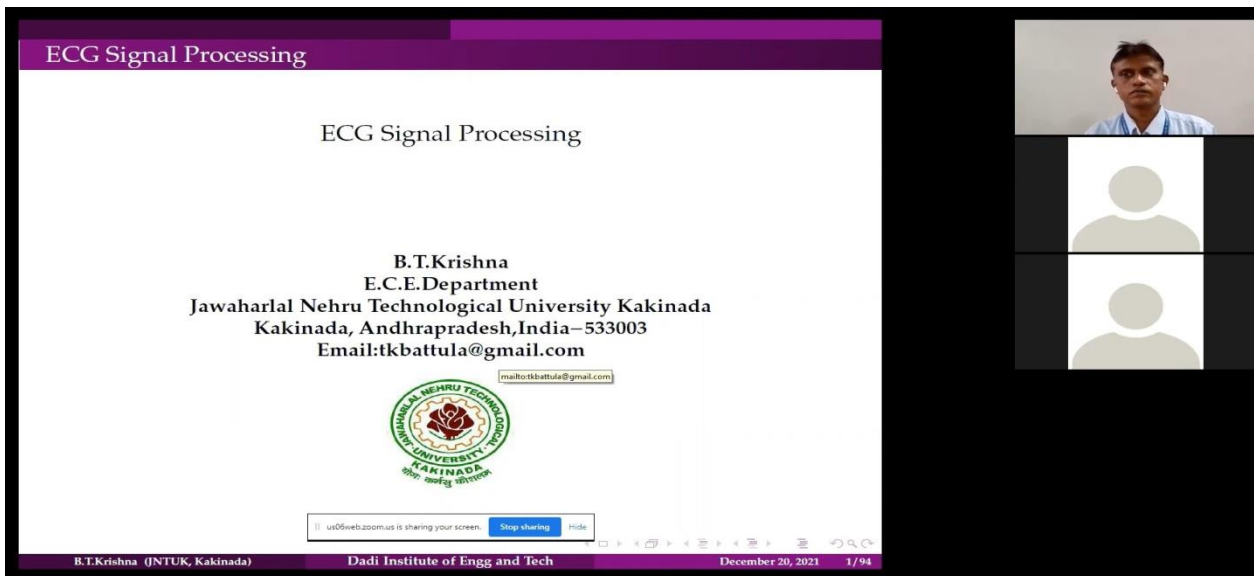
Chief Guest Prof Vijaya D Vaidya is delivering the Message (20-12-21)



Guest of Honour Col B Venkat is delivering the Message (20-12-21)



Dr T Kishore Kumar, Professor, NIT Warangal is delivering the talk (20-12-21)

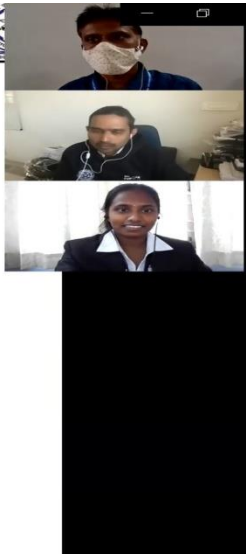


Dr BT Krishna, Professor, UCE(A), JNTU Kakinada is delivering the talk (20-12-21)



Dr Shaik Rafi Ahmed, Professor, IIT Guwahati is delivering the talk (21-12-21)

Deep Generative Models for Computer Vision
Dr. S Murala, EED, IIT Ropar



Deep Generative Models for Medical Image Analysis

By
Dr. Subrahmanyam Murala
 Associate Professor
 CVPR Lab
 Department of Electrical Engg.
 IIT Ropar
 Rupnagar, Punjab

Source: Fei-Fei Li, CS231n: Convolutional Neural Networks for Visual Recognition, Lectures.
 Goodfellow et al., Deep Learning, MIT Press

Dr Subramanyam Murala, Associate Professor, IIT Ropar is delivering the talk (21-12-21)

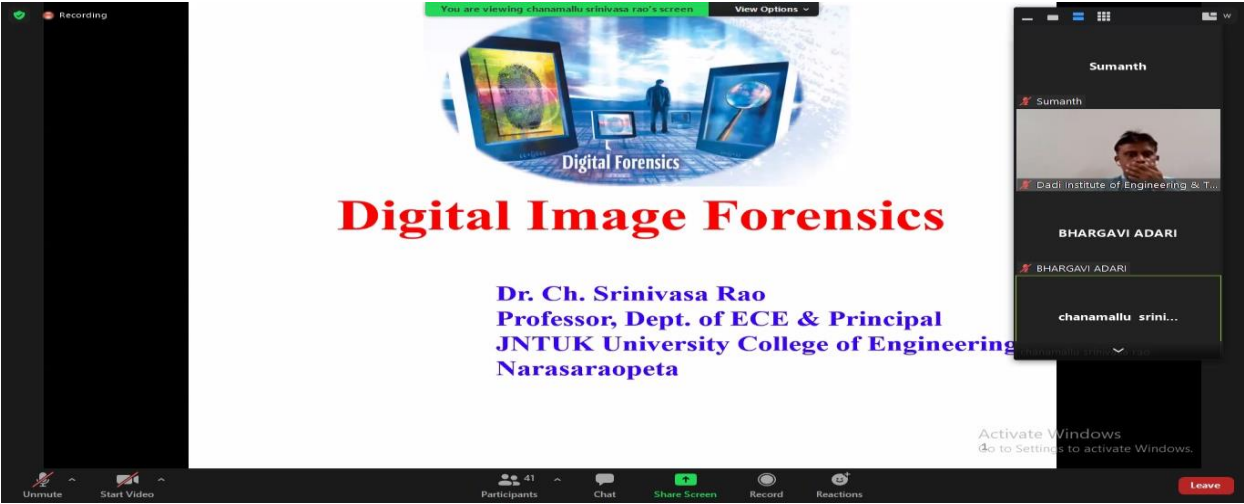


Hearty Welcome to Participants for
 AICTE-ISTE Sponsored One Week Online Refresher Program On
 "Applications of Signal Processing" During 20th to 25th Dec 2021

Topic-Statistical Signal Processing
 21-12-2021 @ 1:45 to 3:15 PM
 Presentation by
Prof. B. Ramesh Reddy, Coordinator
 Internal Quality Assurance Cell (IQAC), LBRCE



Prof B Ramesh Reddy, Professor, LBR College of Engg, Mylavaram is delivering the talk (21-12-21)



You are viewing chanamallu srinivasa rao's screen



Digital Image Forensics

Dr. Ch. Srinivasa Rao
 Professor, Dept. of ECE & Principal
 JNTUK University College of Engineering
 Narasaraopeta

Recording

Sumanth

Sumanth

Dadi Institute of Engineering & T...

BHARGAVI ADARI

BHARGAVI ADARI

chanamallu sri...

Unmute Start Video

Participants 41 Chat Share Screen Record Reactions

Activate Windows
 Go to Settings to activate Windows.

Leave

Dr Ch Srinivasa Rao, Principal, UCE, JNTUK, Narasaraopet is delivering the talk (22-12-21)

Recording 12:22 PM Wed 22 Dec

You are viewing Sri Rama Murthy K's screen

View Options

Done

$w = \alpha h \rightarrow \beta \quad (j: \infty)$

Basic Tasks in Machine Learning

200 101 - on word

Linear Regression

$x \in R^D \rightarrow y \in R^K$

$\hat{y} = W^T x$

$J(W) = \frac{1}{2} \sum_{n=0}^N \|y_n - \hat{y}_n\|^2$

$W = (X^T X)^{-1} X^T Y$

Classification (Logistic Regression)

$x \in R^D \rightarrow C_k, \quad k = 1, 2$

$P[C_1/x] = \sigma(w^T x)$

$J(w) = - \sum_{n=0}^N t_n \log y_n + (1 - t_n) \log(1 - y_n)$

IRWLS algorithm can be used

Activate Windows
Go to Settings to activate Windows.

Join Audio Start Video

Participants 54

Chat

Share Screen

Record

Reactions

Remove Pin AIRPASP008 -

AIRPASP008 -

Leave

Dr K Sri Rama Murthy, Associate Professor, IIT,Hyderabad, is delivering the talk (22-12-21)

Microsoft PowerPoint

LABVIEW BASED DESIGNING OF A BIO-SIGNAL PREPROCESSING SYSTEM FOR ECG, EEG AND EMG SIGNALS

Presented By
Dr. Nikhil Marriwala,
HOD, Department of Electronics & Communication Engineering, University Institute of Engineering & Technology, Kurukshetra University, Kurukshetra
A Grade NAAC

Click to add notes

Dr Nikhil Marriwala, Assistant Professor, Kurukshetra University is delivering the talk (22-12-21)

Microsoft PowerPoint (Product Activation Failed)

Significant Image Processing Techniques in Medical Imaging

Gottapu Sasibhushana Rao
Senior Professor
Dept. of Electronics & Communication Engineering
University College of Engineering
Andhra University, Visakhapatnam-530003

Click to add notes

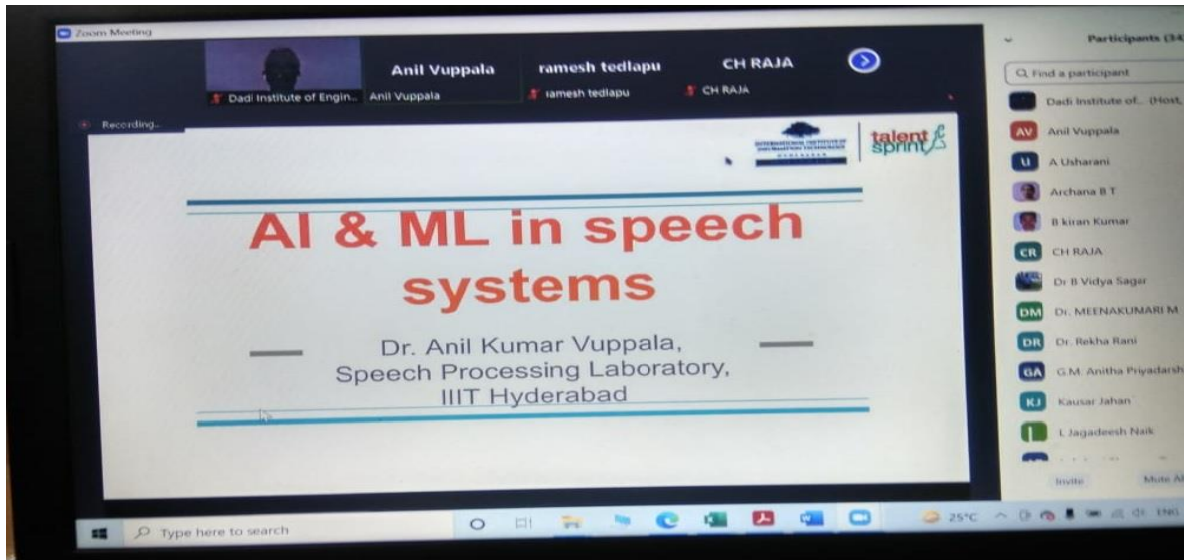
Slide 1 of 31 "Office Theme"

Kausar Jahan

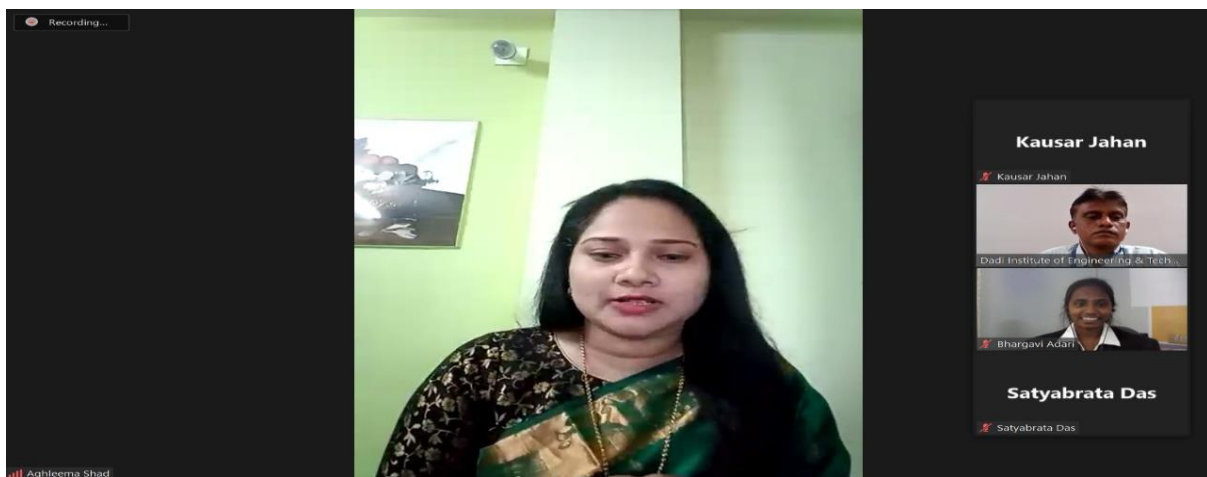
Prof. G SASIBH...

Mythri Dasari

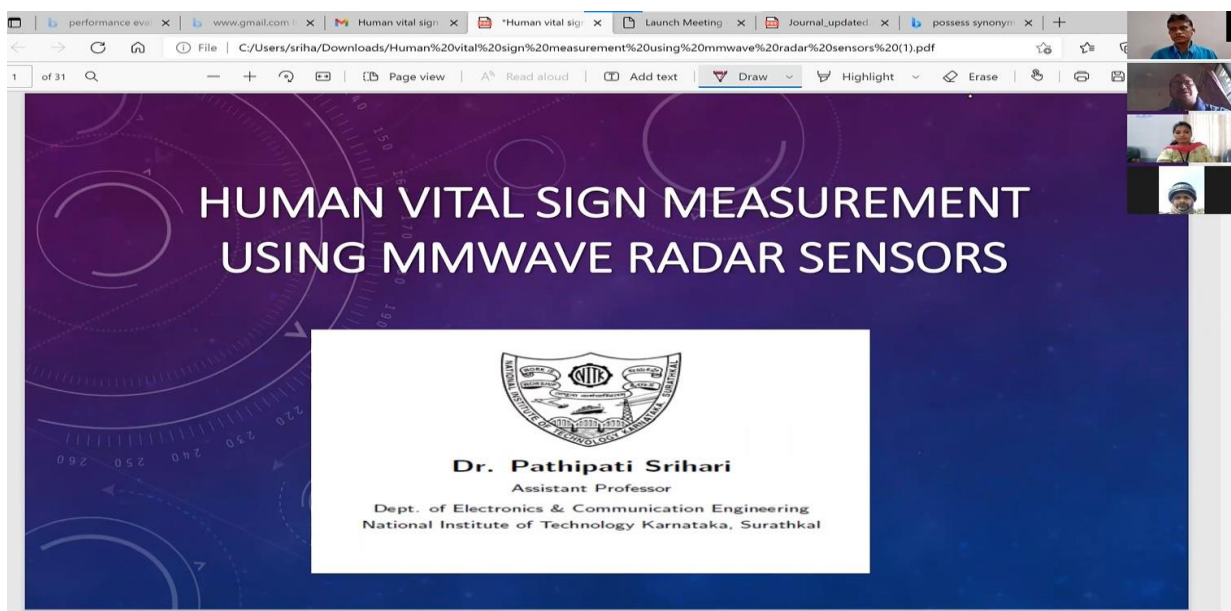
Dr G Sasibushana Rao, Senior Professor, Andhra University is delivering the talk (23-12-21)



Dr Anil Kumar Vuppala, Associate Professor, IIIT, Hyderabad is delivering the talk (23-12-21)



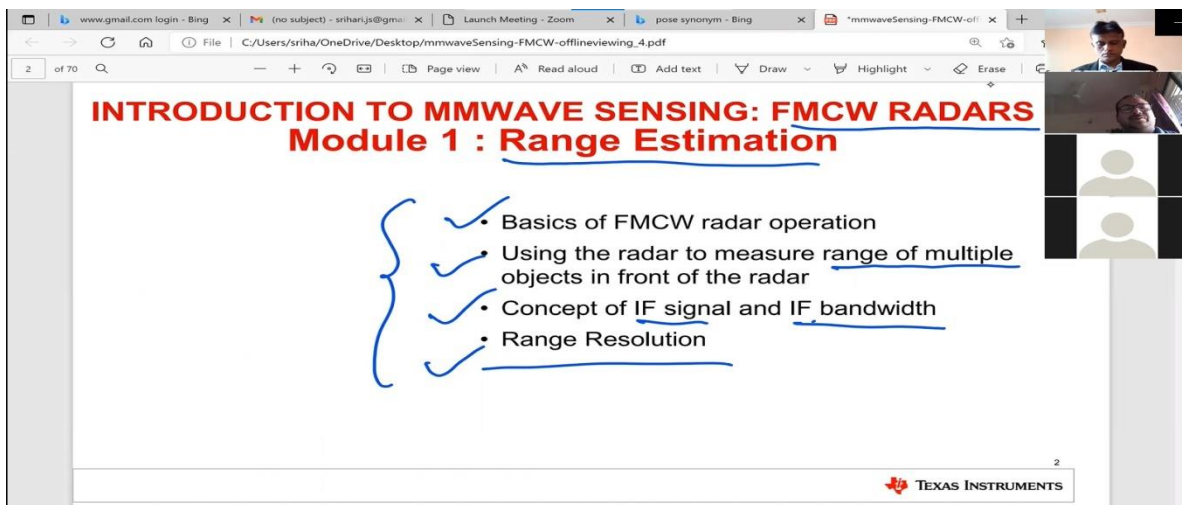
Mrs Aqhleema Shad, Nutritionist & Healer, Visakhapatnam is delivering the talk (23-12-21)



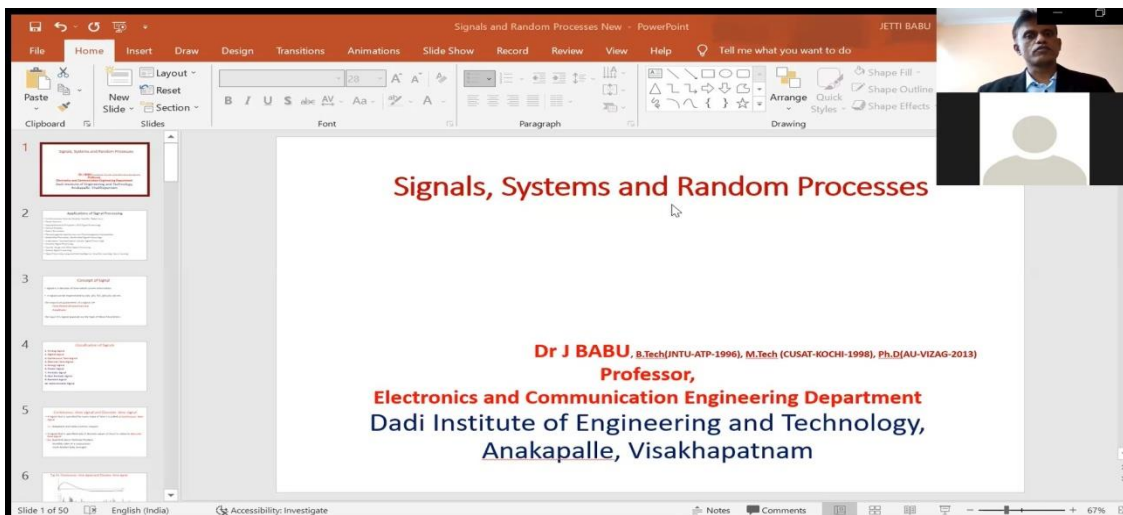
Dr P Srihari, Assistant Professor, NIT, Surathkal is delivering the talk (24-12-21)



Dr K Chandra Bushana Rao, Professor, UCE(A), JNTUK, Vizianagaram is delivering the talk (24-12-21)



Dr P Srihari, Assistant Professor, NIT, Surathkal is delivering the talk (25-12-21)



Dr J BABU, Professor, Dadi Institute of Engg&Tech, Anakapalle is delivering the talk (25-12-21)

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You're Cordially Invited
 AICTE - ISTE Sponsored One Week
 Online Refresher Programme on
Applications of Signal Processing
 (20-12-2021 to 25-12-2021)
 Organized by
 Department of Electronics & Communication Engineering

We are glad to invite you to the
Valedictory Session
 Date : 25th December, 2021
 Time : 01:45 PM - 02:30 PM
 Venue : Online via Zoom Platform

Chief Guest
Col. B. Venkat
 Director, Faculty Development Cell,
 AICTE, New Delhi

Guest of Honor
Prof. CC Handa
 EC Member, ISTE

Dr. J. Babu **Mr. T. Ramesh Babu** **Dr. P. Poorna Priya** **Dr. Ch. Narasimham** **Shri Dadi Ratnakar**
 Co-ordinator ISTE Co-ordinator IIOD ECE Principal Chairman



Dr J BABU, Co-Ordinator is delivering the report on the programme (25-12-21)



Dr Challa Narasimham, Principal, DIET, Anakapalle is addressing the Participants during Valedictory Session (25-12-21)



Guest of Honour Prof Chandra Sekhar C Handa, is addressing the Participants during Valedictory Session (25-12-21)



Chief Guest Col B Venkat is addressing the Participants during Valedictory Session(25-12-21)



Mr T Ramesh Babu is delivering the Vote of Thanks (25-12-21)

Press Clippings

సిగ్నల్ ప్రాసెసింగ్ను

సద్వినియోగం చేసుకోవాలి

అనకాపల్లి: స్థానిక డైట్ ఇంజనీరింగ్ కళాశాలలో అప్లికేషన్ ఆఫ్ సిగ్నల్ ప్రాసెసింగ్ రి ఫ్రైషర్ కార్యక్రమం సోమవారం జరిగింది. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా హాజరైన ప్రొఫెసర్ విజయ్ మాట్లాడుతూ సిగ్నల్ ప్రాసెసింగ్ ఆవశ్యకతను, ఉపయోగాలు, భవిష్యత్లో వాటి యొక్క ప్రాముఖ్యతను వివరించారు. కళాశాల చైర్మన్ దాడి రత్నాకర్ మాట్లాడుతూ సిగ్నల్ ప్రాసెసింగ్ను అధ్యాపకులు సద్వినియోగం చేసుకోవాలని కోరారు. ఈ కార్యక్రమంలో ప్రిన్సిపాల్ చల్లా నర్సింహారావు, వివిధ విభాగాల అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.



Tue, 21 December 2021
<https://epaper.sakshi.com/c/65122945>



విశాఖపట్నం
ఆదివారం, 26, డిసెంబర్, 2021

క్లుప్తంగా...

డైట్లో ముగిసిన

రిఫ్రెషర్ కార్యక్రమం

అనకాపల్లి: స్థానిక డైట్ కళాశాలలో నిర్వహిస్తున్న రిఫ్రెషర్ కార్యక్రమం శనివారంతో ముగిసింది. ముఖ్య అతిథిగా కల్నల్ బి.వెంకట్ మాట్లాడుతూ రిఫ్రెషర్ కార్యక్రమాల ద్వారా కలిగే లాభాలను వివరించారు. కళాశాల చైర్మన్ దాడి రత్నాకర్ మాట్లాడుతూ ఇటువంటి కార్యక్రమాల ద్వారా అధ్యాపకులు మెలకువలను నేర్చుకోవాలన్నారు. ఈ కార్యక్రమంలో ప్రిన్సిపాల్ చల్లా నర్సింహం, వివిధ విభాగాల అధ్యాపకులు పాల్గొన్నారు.



Sun, 26 December 2021
<https://epaper.sakshi.com/c/65217275>



డైట్లో ముగిసిన రిఫ్రెషర్ వర్క్ షాపు

అనకాపల్లి టౌన్: డైట్ ఇంజనీరింగ్ కళాశాలలో వారం రోజులుగా జరుగుతున్న అప్లికేషన్స్ ఆఫ్ సిగ్నల్ ప్రాసెసింగ్ రిఫ్రెషర్ వర్క్ షాపు శనివారంతో ముగిసింది. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా హాజరైన న్యూఢిల్లీ ఏఐసీటీఈ డైరెక్టర్ కల్నల్ బి.వెంకట్ మాట్లాడుతూ, ఇటువంటి రిఫ్రెషర్ కార్యక్రమాల వల్ల అధ్యాపకులు, విద్యార్థులకు కలిగే లాభాలను వివరించారు. కళాశాల చైర్మన్ దాడి రత్నాకర్ మాట్లాడుతూ, ఇటువంటి కార్యక్రమాలు మరిన్ని నిర్వహించాలన్నారు. ప్రిన్సిపాల్ సిహెచ్.నరసింహం పాల్గొన్నారు.

Date : 26/12/2021 EditionName : Anakapalle PageNo : 7