



R.M.K. COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

GUEST LECTURE DETAILS-ACADEMIC YEAR 2023-24 (ODD SEM)

| Sl.No | Date | Participants | Title | Resource Person's Name, Designation, with official details |
|-------|------------|---|---|--|
| 1. | 31.8.2023 | All the three-Year Students and Faculty | Introduction to 5G Technology and its key concepts | Dr.K.C.Sriharipriya, Associate Professor School of Electronics Engineering (SENSE), Vellore Institute of Technology, Vellore. |
| 2. | 4.9.2023 | IV Year Students and Faculty | Automotive Antennas for V2x Communications | Dr. Arumugam Sriram Department of ECE S.R.M. Institute of Science and Technology Kattankulathur |
| 3. | 7.10.2023 | SIH Participants (All three years) | Cracking the Code To Success : SIH 2023 | 1. Dr.Babu M,Sr. Verification Engineer Chipsolve technologies Pvt. Ltd. Hyderabad 2. Mr.Kiran R Senior Software Engineer, Presidio Solutions Private Ltd 3. Mr.Santhosh Kumar S,SAP SD Analyst Kaar Technologies,Chennai |
| 4. | 10.10.2023 | IV Year Students and Faculty | Data Analytics for Smart Telemedicine | Dr. Vetrivelan P Professor, School of Electronics Engineering (SENSE) Vellore Institute of Technology, Chennai |
| 5. | 14.10.2023 | II Year Students | Scope of Full Stack Software Development | Ms.M.Shobana, Technical Head, NIIT Ltd.,Chennai |
| 6. | 20.10.2023 | IV Year Students | Placement Guidance | Mr.Rahul, Software Engineer, Presidio Solutions Private Ltd |
| 7. | 2.11.2023 | III Year Students and Faculty | Emerging Trends in Digital VLSI Design - From Moore's Law to Beyond | Dr. Noor Mohammad Sk, Associate Professor Computer Science and Engineering Indian Institute of Information Technology, Kancheepuram |

COORDINATOR

HOD/ECE

1.Guest Lecture on “Introduction to 5G technology and its key concepts”

A Guest Lecture titled, " **Introduction to 5G technology and its key concepts**" was organized by the ECE Department, on **31st August, 2023** at 6 pm for all the ECE students and faculty.

Resource Person : Dr.K.C.Sriharipriya,,Associate Professor
School of Electronics Engineering (SENSE),
Vellore Institute of Technology, Vellore.

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DISTRICT, 601206.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ORGANIZES
A GUEST LECTURE ON
“INTRODUCTION TO 5G TECHNOLOGY
AND ITS KEY CONCEPTS”
31.08.2023 @ 06:00 PM
Resource Person

TNEA COUNSELLING
CODE
1128

Dr.K. C. Sriharipriya,
Associate Professor
School of Electronics Engineering (SENSE),
VELLORE INSTITUTE OF TECHNOLOGY, VELLORE.

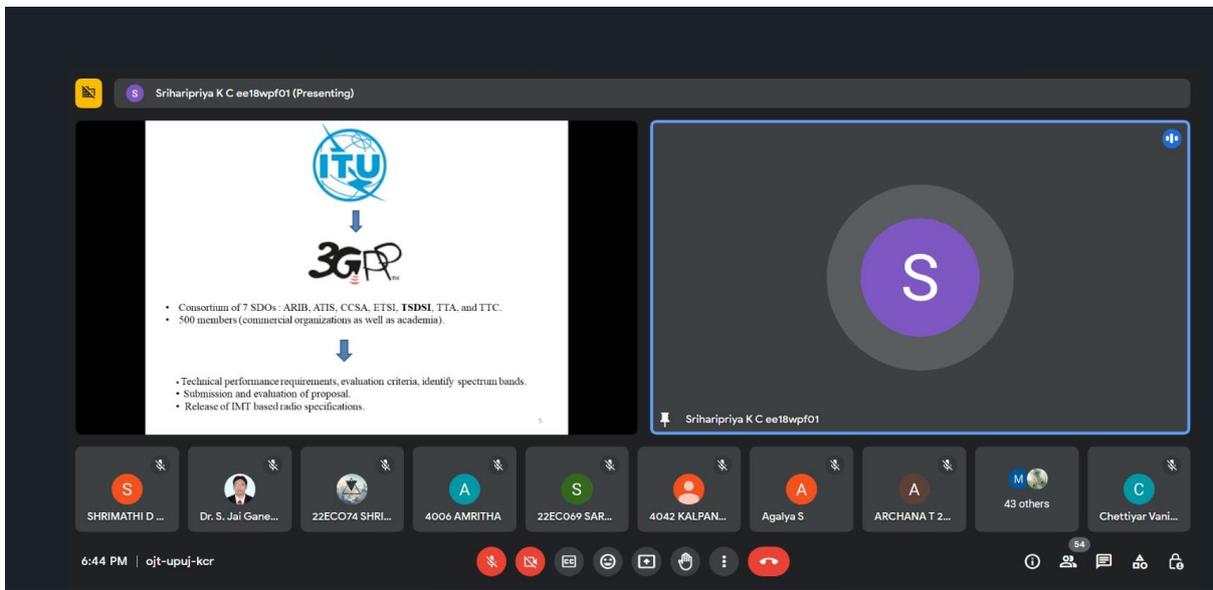
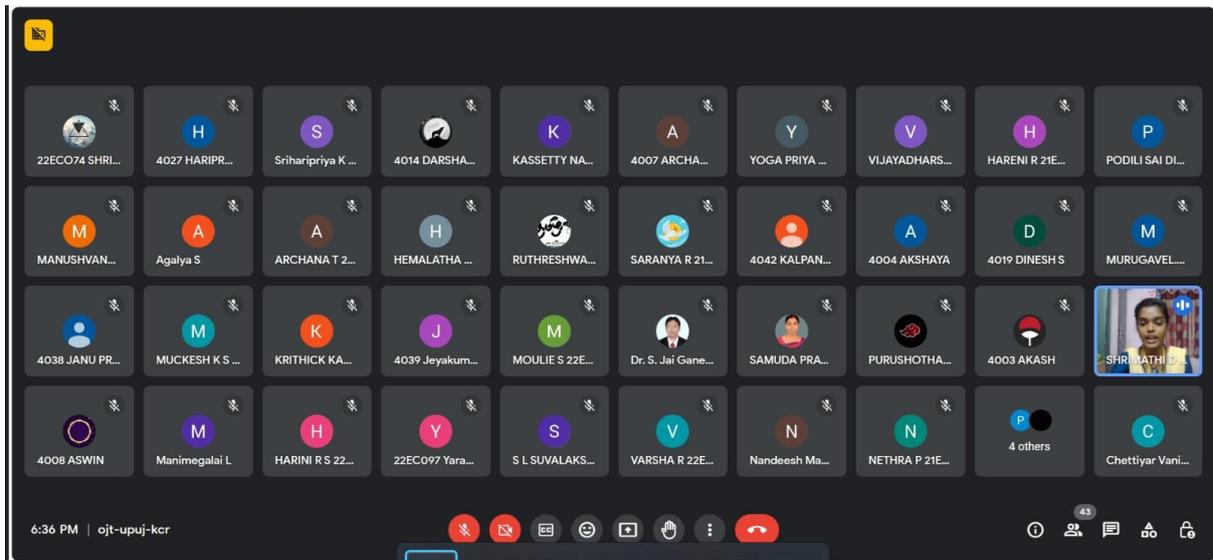
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Session Screenshots



2.Guest Lecture on “Automotive Antennas for V2x Communications”

A Guest Lecture titled, " **Automotive Antennas for V2x Communications** "was organized by the ECE Department, on 4th September, 2023 at 5.30 pm for IV year ECE students and faculty.

Resource Person : Dr. Arumugam Sriram, Faculty at Department of ECE, S.R.M. Institute of Science and Technology, Kattankulathur

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ORGANIZES
A GUEST LECTURE ON
“ **AUTOMOTIVE ANTENNAS FOR V2X COMMUNICATIONS** ”

04.09.2023 @ 05:30 PM
Resource Person

TNEA COUNSELLING
CODE
1128

Dr. Arumugam Sriram
Department of ECE
S.R.M. Institute of Science and Technology
Kattankulathur

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| Dr.M.S.Palanichamy Advisor | Thiru. T. Pitchandi Advisor | Thiru. V. Manoharan Advisor | Dr.K.Ramar Principal |
| Dr.K.Sivaram Dean-Research | Dr.N.Gangatharan HOD/ECE | Dr. Chettiyar Vani Vivekanand Associate Professor/ ECE Coordinator | |

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Session Screenshots

Sriram A (Presenting)

Automotive Antennas



Fig. 1 Car fitted with multiple radiators



Fig. 2 Rod antenna mounted on car

Fig. 1 shows a typical scenario depicting more number of antennas projected from the vehicle's body. These **projections affect the appearance** of the vehicle making the car look more like a complex telecommunication system rather than a comfort vehicle.

The rod antenna in Fig.2 is an omnidirectional radiator that is often limited by its large projection, **narrow bandwidth, aerodynamic drag and vulnerability to wind noise.**

Technical Talk by Dr. A. Sriram, SRMIST

5:39 PM | ojt-upuj-kcr

37

Inbox (7,218) - vanivvekanand@... (3) WhatsApp Meet - ojt-upuj-kcr

https://meet.google.com/ojt-upuj-kcr

Import favorites Dell Gmail YouTube nd

Sriram A (Presenting)

Outline of Presentation

- Basics of Antenna
- Why AC signal ? Why not DC signal?
- General Antenna Types and its classifications
- Types of Vehicular communications
- Important metrics to design an antenna
- Frequency Bands
- Automotive antennas
- Examples of few designed antennas and its metrics

SHARU SHREE M 22EC073 has left the meeting

Technical Talk by Dr. A. Sriram, SRMIST

5:34 PM | ojt-upuj-kcr

28

31°C Mostly cloudy Search ENG IN 17:34 04-09-2023

3. Guest Lecture on “Cracking the Code To Success : SIH 2023 “

A Guest Lecture titled, " **Cracking the Code To Success : SIH 2023**" was organized by the ECE Department, on **7th October, 2023** at 7:30 pm for all the SIH participants.

Resource Persons :

1. Dr.Babu M,Sr. Verification Engineer,Chipsolve technologies Pvt. Ltd.,Hyderabad
2. Mr.Kiran R Senior Software Engineer,Presidio Solutions Private Ltd
3. Mr.Santhosh Kumar S,SAP SD Analyst, Kaar Technologies, Chennai

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ORGANIZES
EXPERTS TALK ON
“CRACKING THE CODE TO SUCCESS : SIH 2023”
07-10-2023 @ 07:30 PM
Resource Persons

TNEA COUNSELLING CODE
1128

| | | |
|---|---|--|
|  |  |  |
| Dr. Babu M Sr. Verification Engineer Chipsolve technologies Pvt. Ltd. Hyderabad | Mr. Kiran R Lead Engineer Presidio Technology Solutions Pvt Ltd Chennai | Mr. Santhosh Kumar S SAP SD Analyst Kaar Technologies Chennai |

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Session Screenshots

ADVANCEMENT IN HEALTHCARE

ORGANISATION NAME : Education Department Gujarat
PROBLEM STATEMENT : IOT Based Smart bottle For Healthcare
TEAM NAME : Mindbenders T20 PS NUMBER : AD356
TEAM LEADER : Santhosh Kumar S COLLEGE CODE : 1-3512953216

THEME:

- When the glucose level in electrolyte bottle is emptied, the blood starts to flow in reverse direction, due to this venous air embolism (VAE) is caused. VAE arises as a result of pressure gradient that allows air to enter the blood stream.
- VAE has an estimated incidence of 1 in 772 according to one series, while another study found that the incidence of iatrogenic gas embolism complicates 2.65 per 100,000 hospitalizations.
- VAE has an estimated incidence in children when compared to adults. Hence, the theme of the project is to prevent venous air embolism (VAE).

ABSTRACT:
Almost in all hospital, ... the glucose

8:11 PM | nnd-gmch-kom

6099 SRINATH M

SECURITY INFRASTRUCTURE:

Firebase Realtime Database Rules are declarative configuration for your database, the rules are defined separately from the product logic. This has a number of advantages: clients aren't responsible for enforcing security, buggy implementations will not compromise your data.

FUTURE SCOPE:

- Automatic error indicating system.
- Compactable in size with LCD display.

TECHNICAL STACKS:

PROTOTYPE VIEW

7:57 PM | nnd-gmch-kom

6099 SRINATH M

4. Guest Lecture on " Data Analytics for Smart Telemedicine "

A Guest Lecture titled, " **Data Analytics for Smart Telemedicine** " was organized by the ECE Department, on **10th October, 2023** at 10.20 am for all the final year students and faculty.

Resource Person : Dr. Vetrivelan P, Professor, School of Electronics Engineering (SENSE), Vellore Institute of Technology, Chennai



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Organizes
A Guest Lecture on
"Data Analytics for Smart Telemedicine"
10.10.2023 @ 10:20 am
Venue: NB Seminar Hall
Resource Person



TNEA COUNSELLING CODE
1128

Dr. Vetrivelan P
Professor, School of Electronics Engineering (SENSE)
Vellore Institute of Technology, Chennai

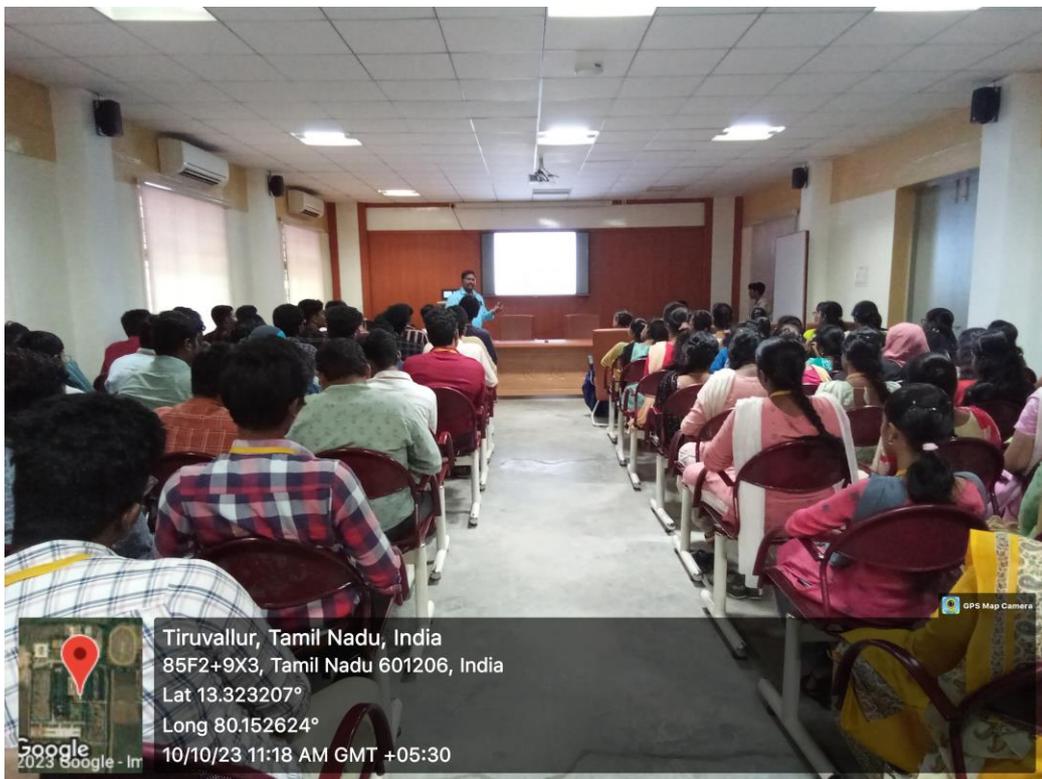
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| Dr. N. Gangatharan HoD /ECE | Dr. Chettiyar Vani Vivekanand Coordinator | Dr. Inbamalar T M Coordinator |

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Session Photographs



5.Guest Lecture on " Scope of Full Stack Software Development "

A Guest Lecture titled, " **Scope of Full Stack Software Development** " was organized by the ECE Department, on **6th November, 2023** at 1.30 pm for II year ECE students

Resource Person : Ms.M.Shobana, Technical Head, NIIT Ltd., Chennai



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Organizes
A Guest Lecture on
"Scope of Full Stack Software Development"
14.10.2023 @1:30 pm
Venue: MB Ground Floor Seminar Hall
Resource Person



Ms. M Shobana,
Technical Head, NIIT Ltd, Chennai

Organizing Committee

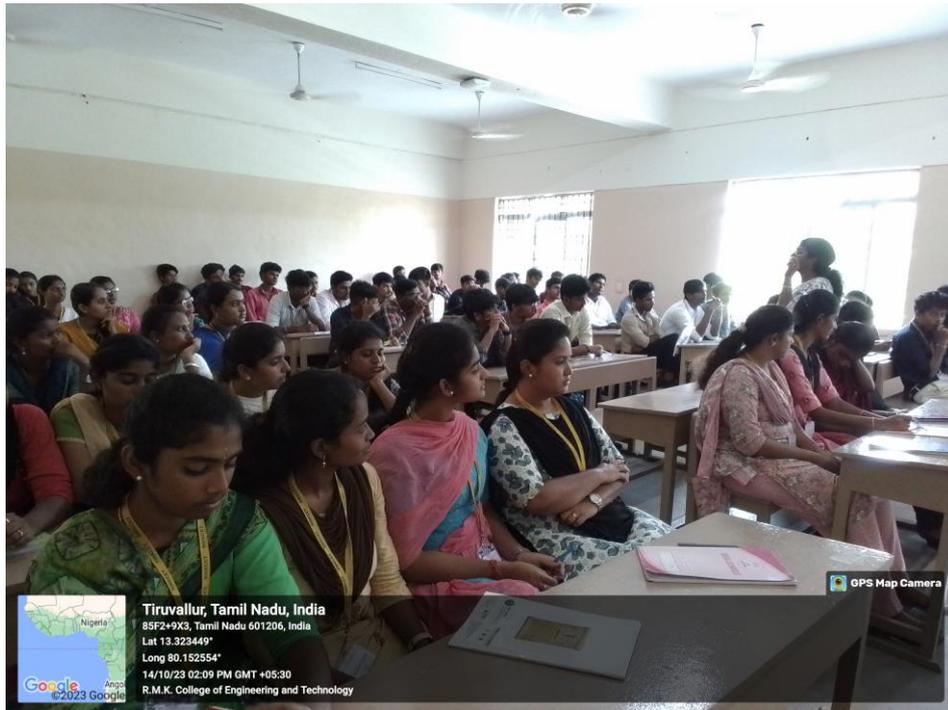
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Session Photographs



6.Guest Lecture on " Placement Guidance "

A Guest Lecture titled, " **Placement Guidance** " was organized by the ECE Department, on **20th October, 2023** at 1.30 pm for all Presidio eligible students.

Resource Person : Mr.Rahul, Software Engineer, Presidio Solutions Private Ltd



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ORGANIZES
A GUEST LECTURE ON
"PLACEMENT PREPAREDNESS"
20.10.2023 @ 01:30 PM
Resource Person

TNEA COUNSELLING CODE 112B



Mr.Rahul
Senior Software Engineer
Presidio Solutions Private Ltd

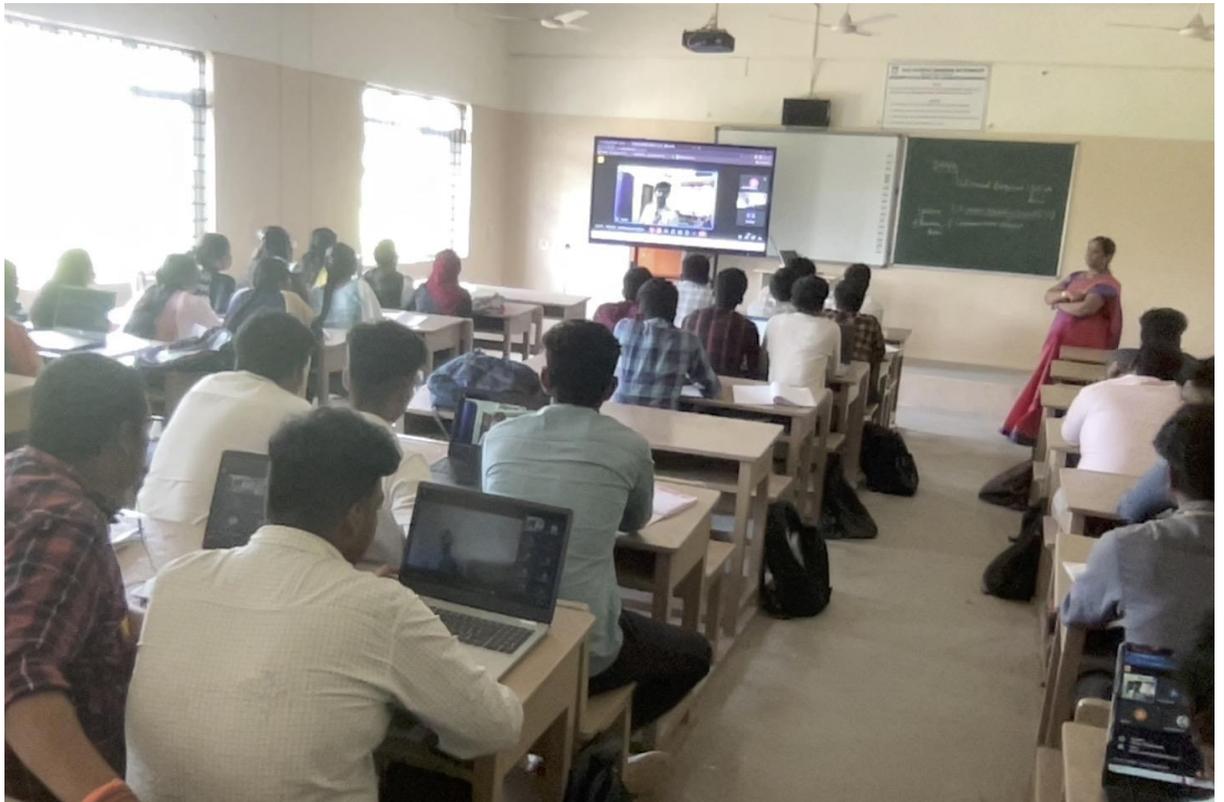
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Session Photograph



7.Guest Lecture on " Emerging Trends in Digital VLSI Design- From Moore's Law to Beyond "

A Guest Lecture titled, " Emerging Trends in Digital VLSI Design- From Moore's Law to Beyond " was organized by the ECE Department, on 2nd November, 2023 at 10.20 am for III year ECE students

Resource Person : Dr. Noor Mohammad Sk, Associate Professor
Computer Science and Engineering,
Indian Institute of Information Technology, Kancheepuram

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ORGANIZES
A GUEST LECTURE ON
"Emerging Trends in Digital VLSI Design
- From Moore's Law to Beyond"
@ 2nd November, 2023
VENUE :- GROUND FLOOR SEMINAR HALL

Resource Person

Dr. Noor Mohammad Sk
Associate Professor
Computer Science and Engineering
Indian Institute of Information Technology, Kancheepuram

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