

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**VISION**

To produce globally competitive Electronics and Communication Engineers and Entrepreneurs with ethical values.

**MISSION**



- DM1:** Impart quality education through student centric teaching and learning process.
- DM2:** Equip students with Industry driven skills by providing excellent Infrastructure and continuous interaction with academia and Industry.
- DM3:** Empower students towards research, entrepreneurship and lifelong learning to meet societal needs.

**PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

- PEO 1: Core Competency :** Graduates will have strong foundation in Engineering, Science and Technology for a successful career in Electronics and Communication Engineering.
- PEO 2: Professionalism :** Graduates will have effective communication skills, interpersonal skills and ethical values to exhibit professionalism in Multidisciplinary environment.
- PEO 3: Higher studies and Entrepreneurship :** Graduates will pursue professional Development through higher studies and have entrepreneurial attitude to address technological changes and societal needs.

# AURA

## Association of Electronics and Communication Engineering

### Academic Year: 2022 – 2023(ODD)

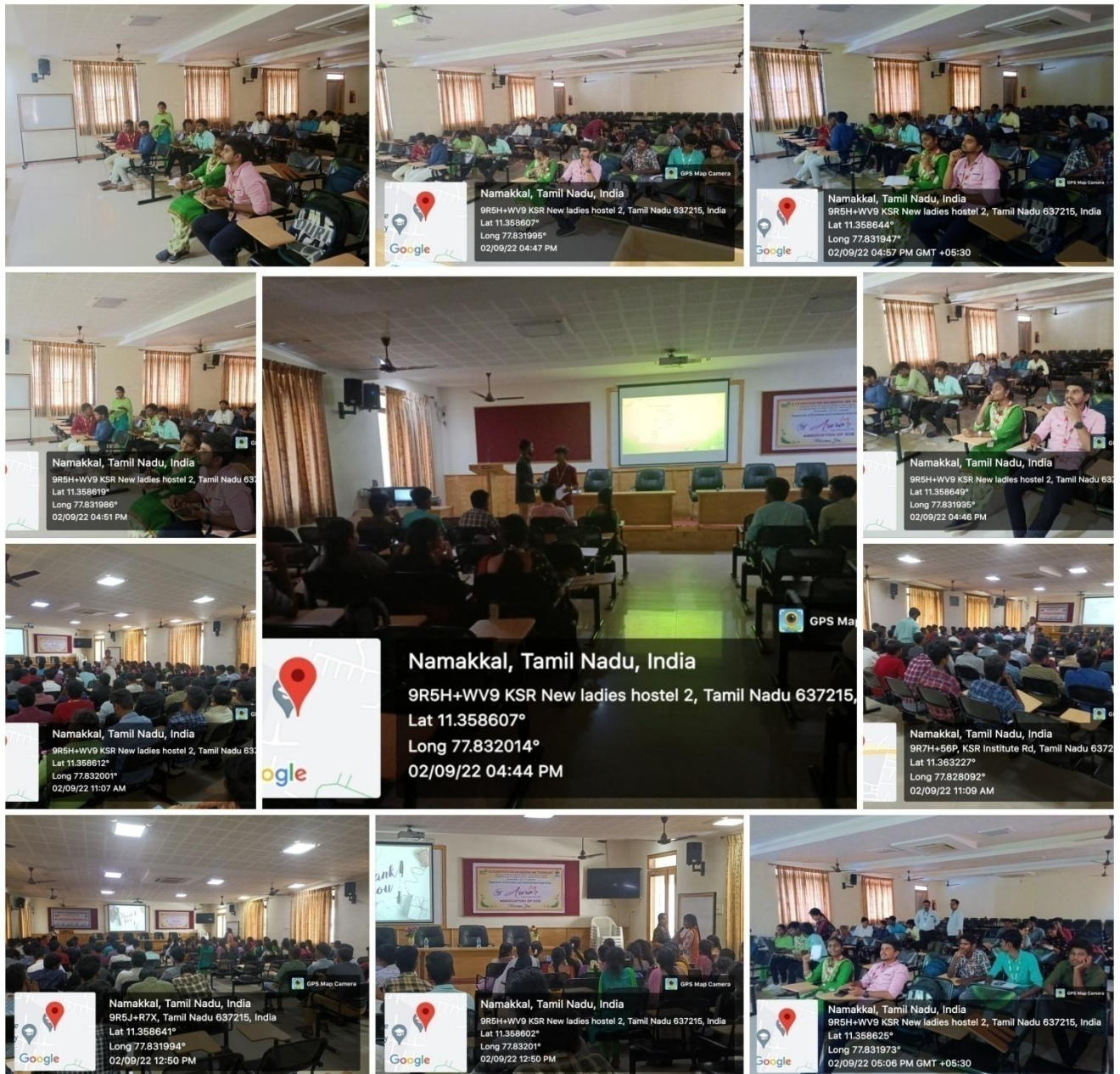
Department Association called “AURA” was formed in the year 2011. In order to provide a platform for the students and faculty to present and share their ideas, thoughts and findings and to conduct expert lectures, seminars, workshops, symposiums, conferences etc. This also aims in bringing pioneers in Electronics and Communication Engineering minds to drive them towards the excellence in Electronics and Communication Engineering.

- Department of Electronics and communication Engineering & "AURA" - Association of ECE, In association with career counseling and higher education cell organizes Seminar on “**CAREER GUIDANCE AWARENESS PROGRAM**” on 30.08.2022 .The Resource person Mr.James Manoharan shared his experiences of his Career path development.





- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized **TECHNICAL EVENT** on 02.09.2022 .The Resource person Mr.P.Govindaraju, Associate Professor and Head of ECE Department,KSR Institute for Engineering and Technology. Tiruchengode





- Department of Electronics and communication Engineering &"AURA"-Association of ECE in association with Institution's for engineers chapter organized Seminar on **"LIFE SKILLS AND HUMAN VALUES"** on 02.09.2022. Resource person Mrs.Bharathi Paramasivam ,CEO Beatus Language Academy

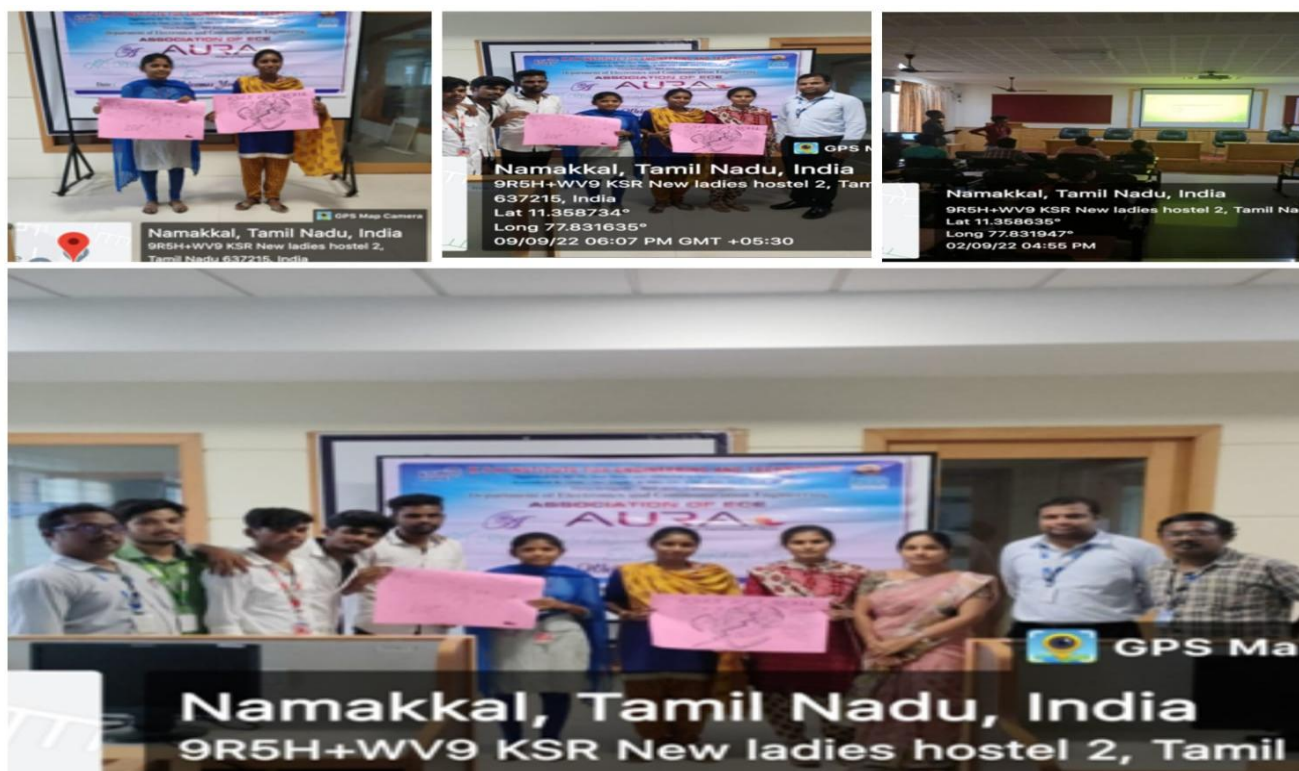




- Department of Electronics and communication Engineering &"AURA"-Association of ECE organized fun event **"DEBATE"** on 26.08.2022 .The Resource person Dr.V.Devabharathi, Professor and Head, Department of Physics, KSR Institute for Engineering and technology. Tiruchengode.



- Department of Electronics and communication Engineering &"AURA"-Association of ECE organized event on **"ART CREATION ON ENVIRONMENTAL ISSUES"** on 09.09.2022.The Resource person Mr.B.Vinothkumar Assistant Professor,Department of Electronics and Communication Engineering KSR Institute for Engineering and Technology, Tiruchengode.



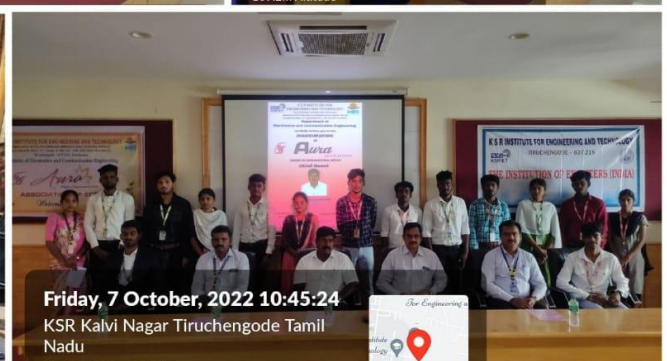
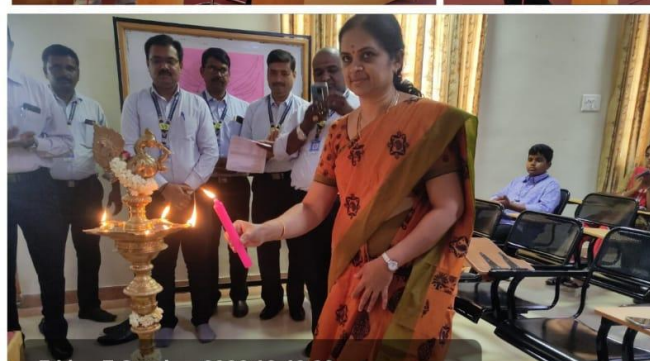
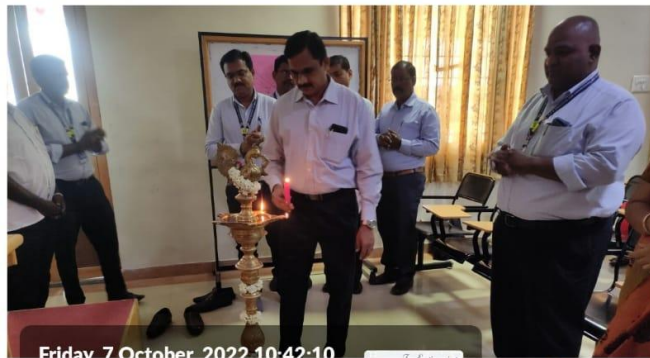


- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized **"CISCO LEARNING"** on 27.09.2022. The Resource person Mr.T.Senthil, Senior Technical Trainer-IT, ICT Academy, shared some detailed information regarding the various courses available in the ICT academy related course.



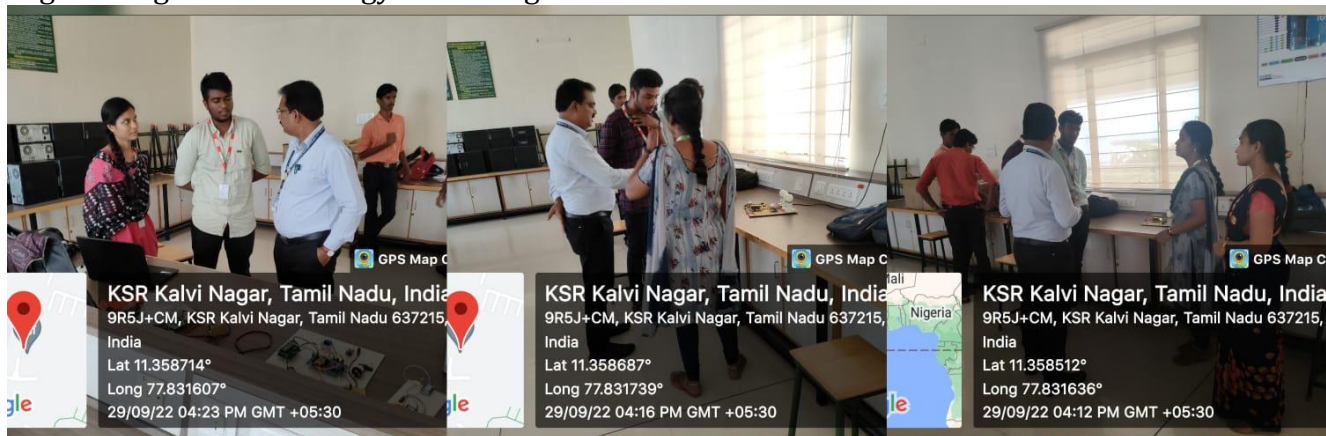


- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized **"INAUGURAL FUNCTION"** on 07.10.2022 The Resource person Mr.B.Krishna Kumar, Managing Director New Technology, Coimbatore.



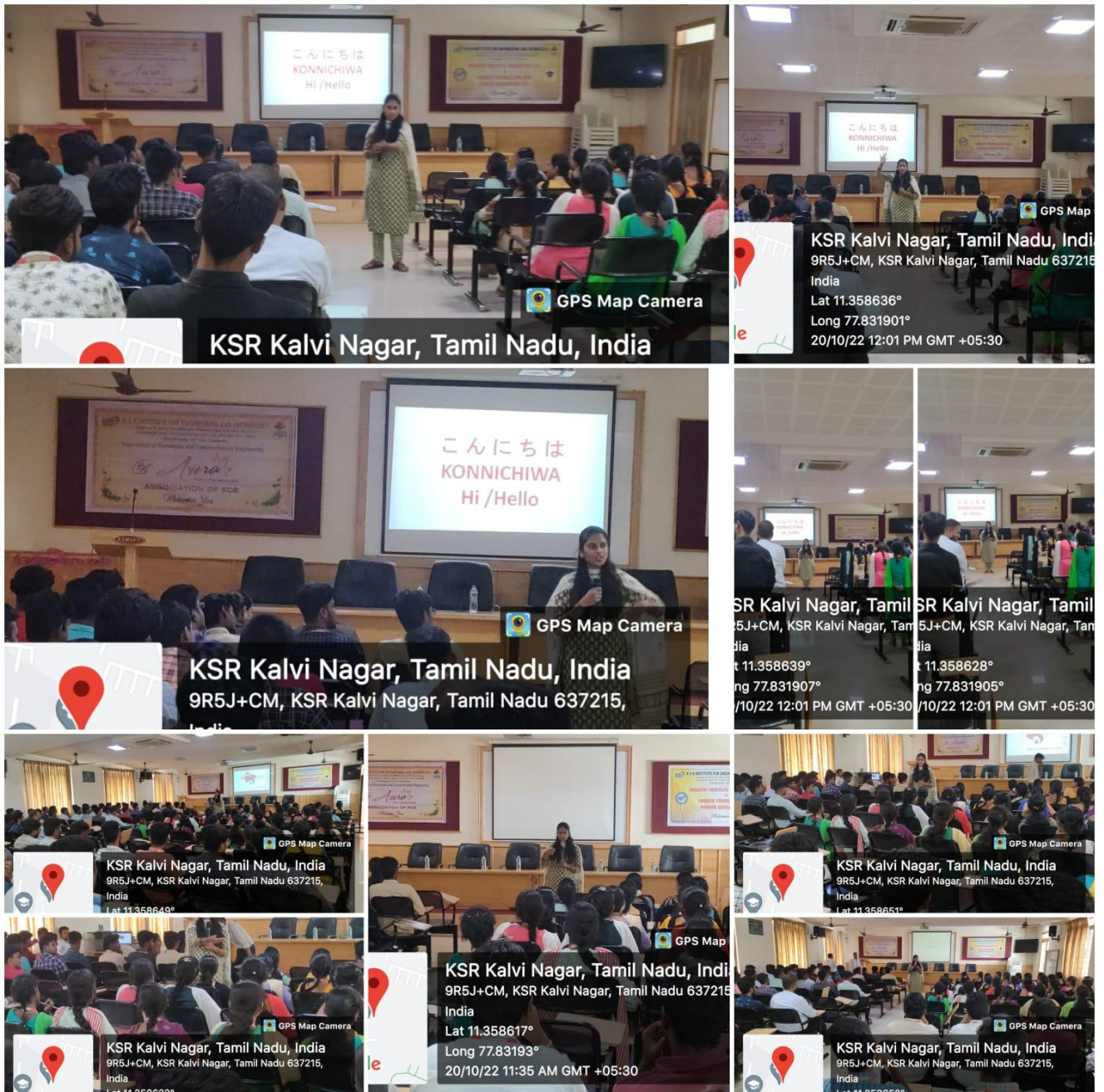


- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized **PROJECT "EXPO-2K22"** on 29.09.2022. The Resource person Dr.R.Nandhakumar Professor-Director, Department of Electronics and Communication Engineering, KSR Institute for Engineering and Technology Tiruchengode.





- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized Seminar on **"OPPORTUNITIES THROUGH JAPANESE LANGUAGES"** on 20.10.2022. The Resource person Ms. Madhuvanthi Japanese Languages Trainee, Idli & Sushi-Learn Japanese.

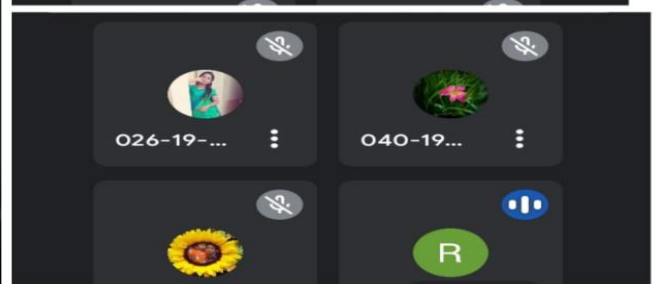
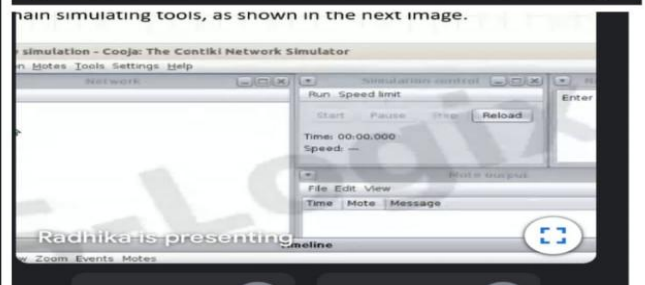
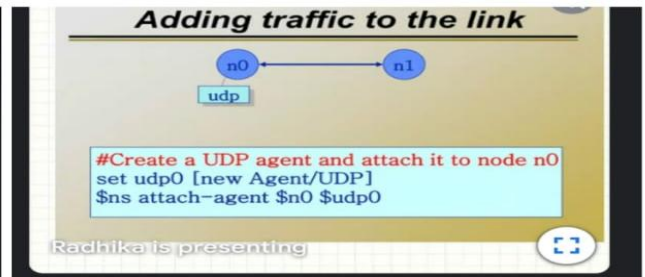
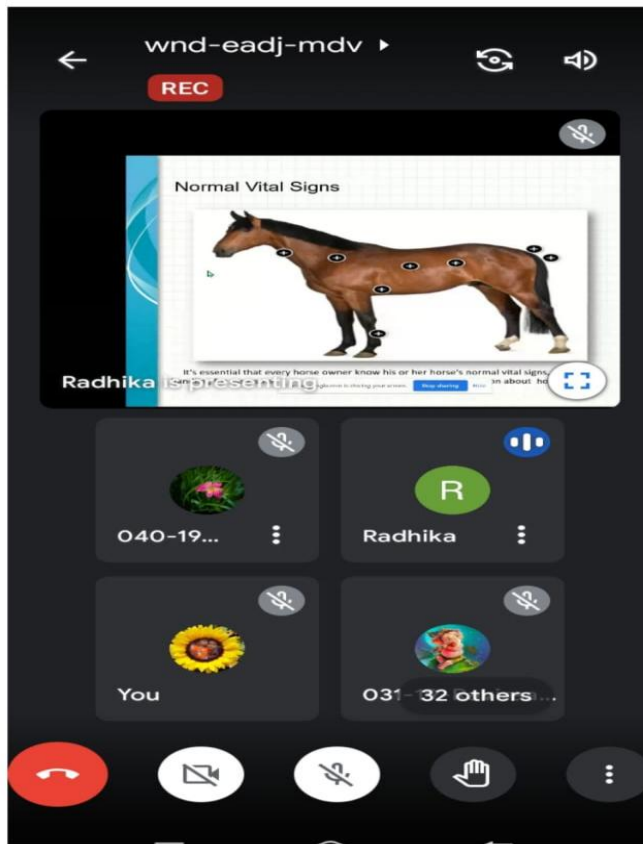


- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized Seminar on **"CAREER PATH IDENTIFICATION AND EXPERIENCE SHARING"** on 27.10.2022. The Resource person Ms.S.Dhanu Software Engineer, Global Knowledge Technologies, Bangalore.





- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized Seminar on **"DEVELOPMENT OF WIRELESS SENSOR NETWORKS- WINS AMPS UNDERWATER ACOUSTIC AND DEEP SPACE NETWORK"** on 09.11.2011. The Resource person Mrs.D.Radhika M.E.,(Ph.D) Assistant Professor, Department of Computer science and Engineering, Vivekananda College of Engineering for Women's, Tiruchengode.

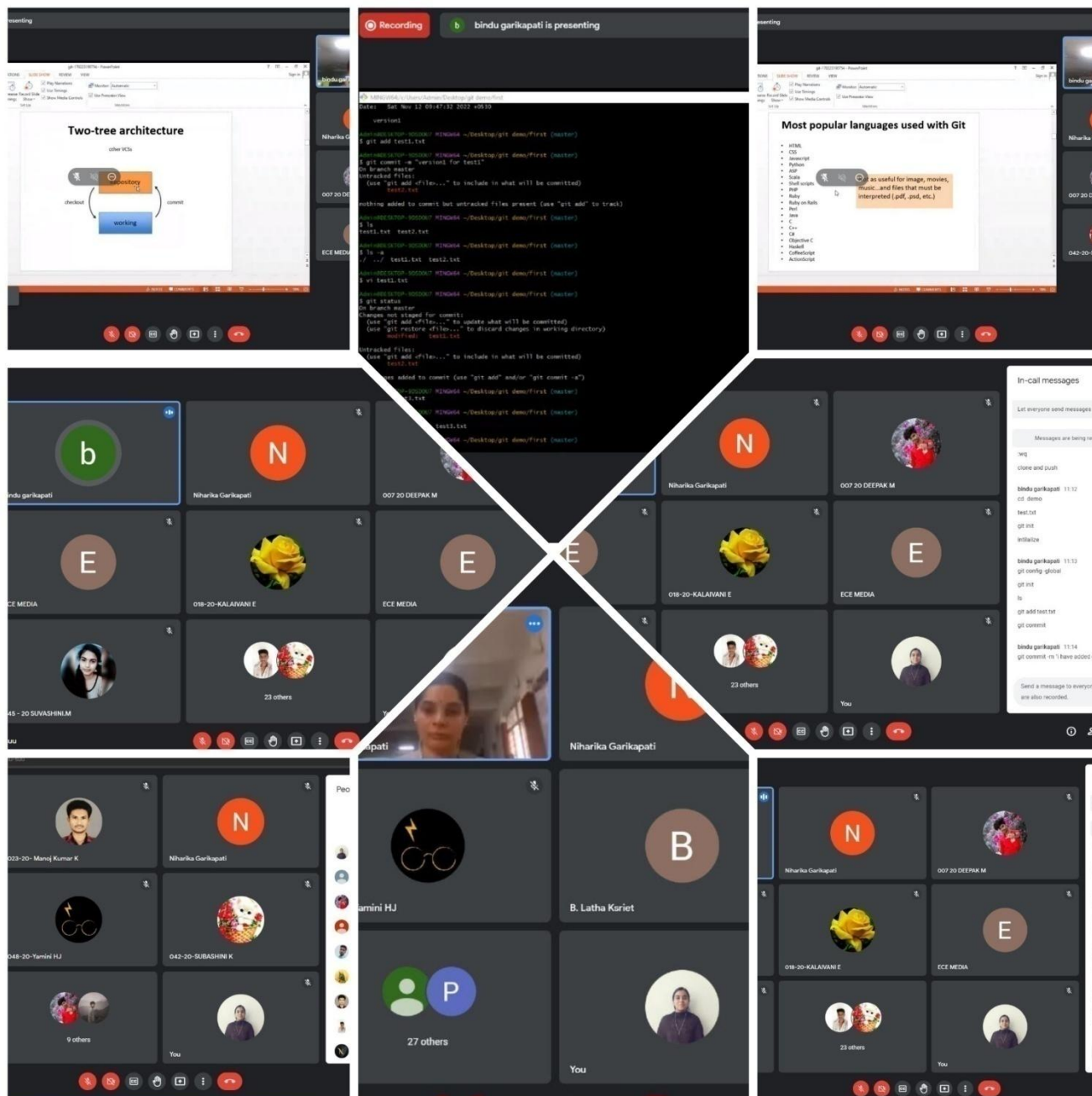


- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized Technical event **"BRAIN STORMING"** on 10.11.2022 .The Resource person Mr.M.Udhayakumar Assistant Professor Department of Electronics and Communication Engineering, KSR Institute for Engineering and Technology,Tiruchengode.

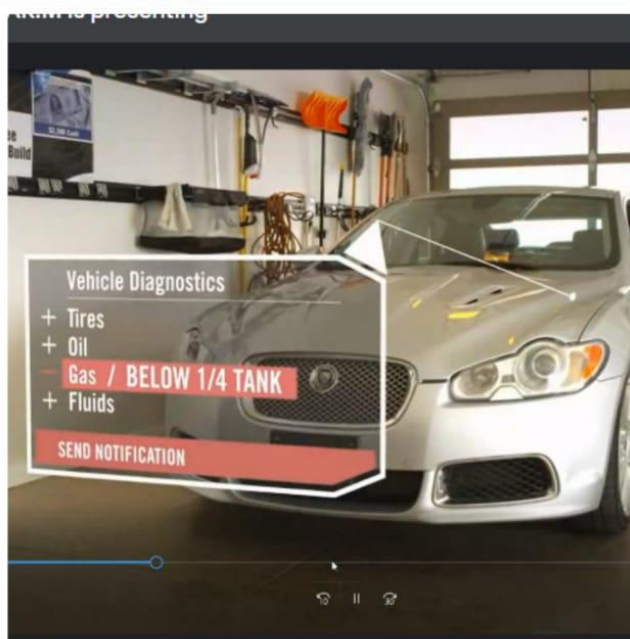
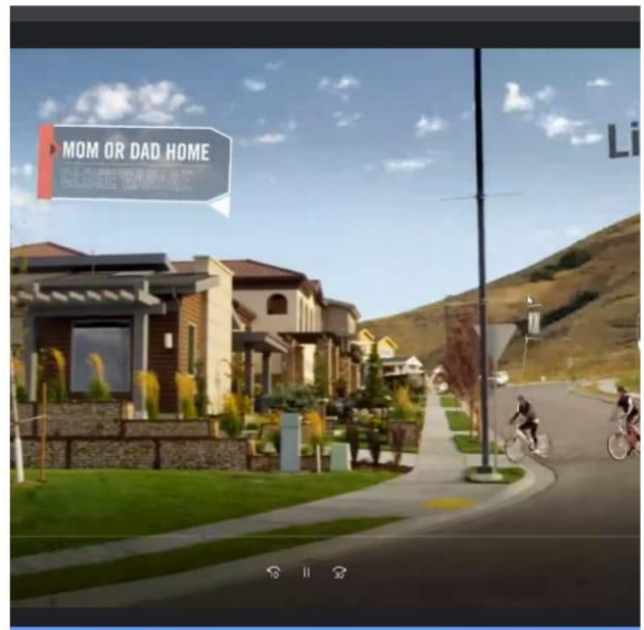
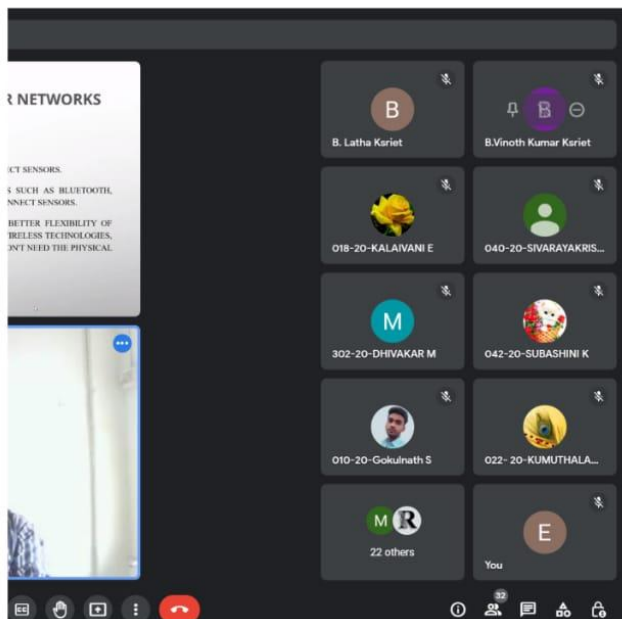




- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized Workshop on **“COLLABORATIVE CODING USING GITHUB”** on 12.11.2022. The Resource person Dr.G.Bindhu ,M.E Associate Professor, Department of Computer science and Engineering, Koneru Lakshmalah Education Foundation, Andhra Pradesh.



- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized Seminar on – **“SENSOR NETWORKING AND CLOUD NETWORKING”** on 12.11.2022. The Resource person Dr.M.Guru Vimal Kumar,B.Tech., M.E,Phd., Assistant Professor, Department of Computer science and Engineering Vel Tech Rangarajan, Dr.Sagunthala R&D Institute of Science and Technology, Avadi,Chennai-600062





- Department of Electronics and communication Engineering & "AURA"-Association of ECE organized Seminar on **"RECENT TRENDS IN MICROCONTROLLER INTERFACING"** on 26.11.2022 .The Resource person Ms.Aiswarya Kannan Assistant Professor, Department of Electronics and Communication Engineering SRM TRP Engineering College Trichy.

**INTERRUPT**

- An **interrupt** is an external or internal event that interrupts the microcontroller to inform it that a device needs its service.
- Interrupts vs. Polling**
  - A single microcontroller can serve several devices.
  - There are two ways to do this:
    - interrupts
    - polling
  - The program which is associated with the interrupt is called the **interrupt service routine (ISR)** or **interrupt handler**.

**Interrupt vector table**

Interrupt	ROM Location (hex)	Pin
Reset	0000	9
External HW (INT0)	0003	P3.2 (12)
Timer 0 (TF0)	000B	
External HW (INT1)	0013	P3.3 (13)
Timer 1 (TF1)	001B	
Serial COM (RI and TI)	0023	

**Steps To Generate Time Delay**

- Load TMOd indicating Timer and mode
- Load TL, TH with initial count & Start timer
- Keep monitoring the timer flag (TF) with the JNB TF,target instruction to see if it is raised
- Get out of the loop when TF becomes high
- Stop the timer , Clear the TF flag for the next round
- Go back to Step 2 to reload TH and TL

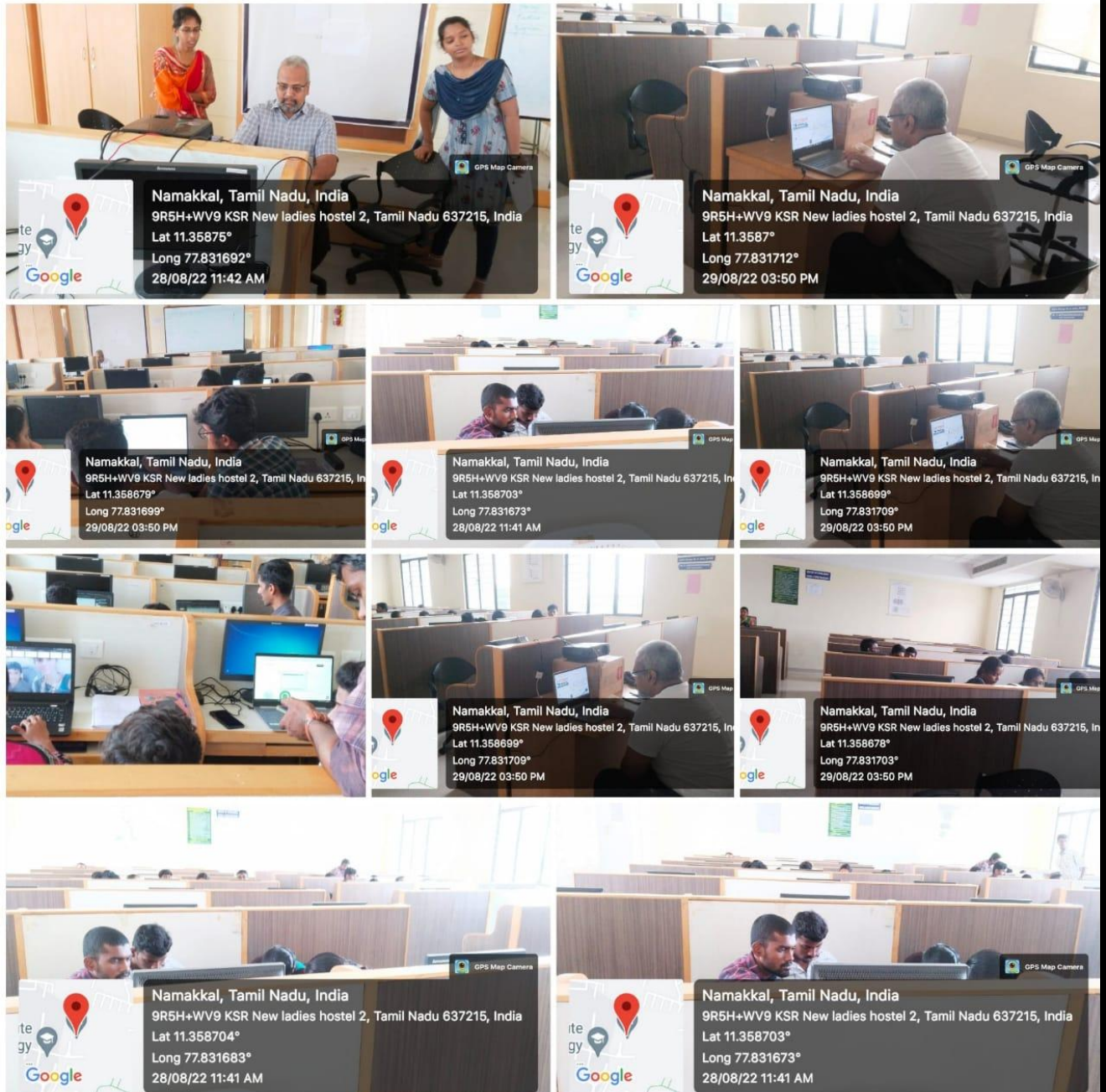
- Department of Electronics and Communication Engineering organized Faculty Development Program on **"ELECTRONIC PRODUCT DESIGN"** on 29.07.2022 to 03.08.22. The Resource person Dr. T. Gunasekaran, Program Director, Department of Electrical and Electronics Engineering University of Technology and Applied Sciences-HCT,



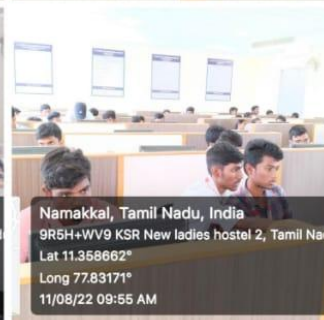
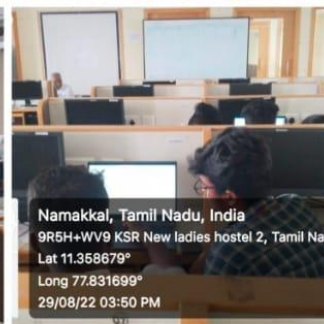
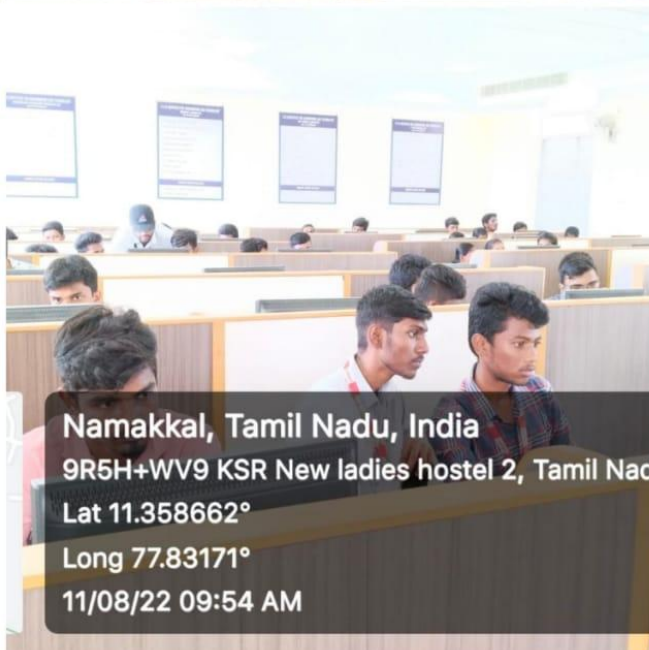
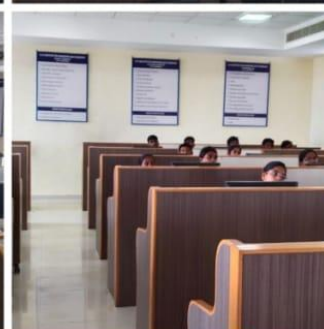
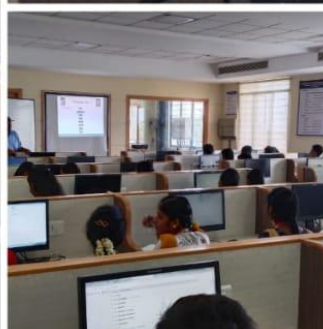
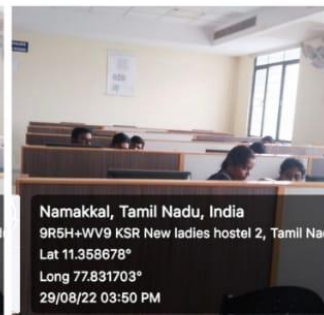
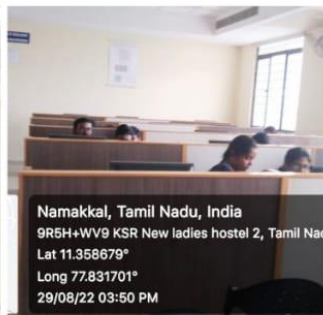
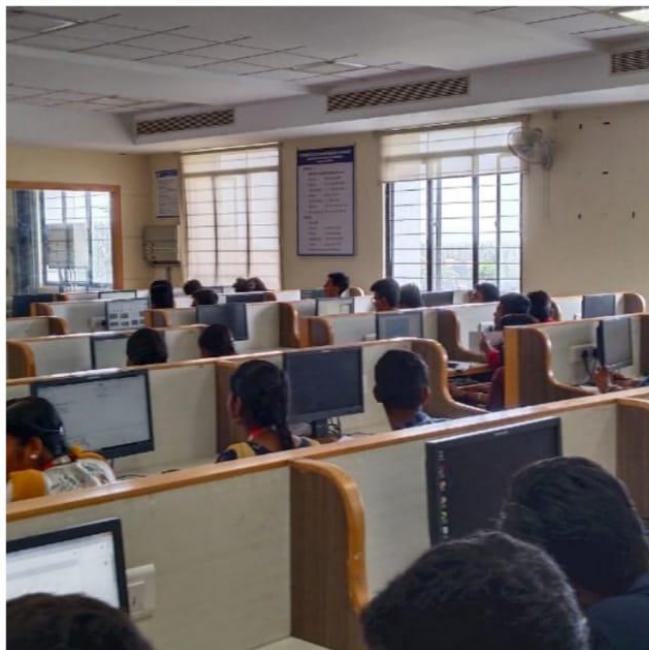


## I POOL FORUM

- Department of Electronics and communication Engineering organized **Value Added Course** On “**ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**” from 26.08.2022 to 29.08.2022



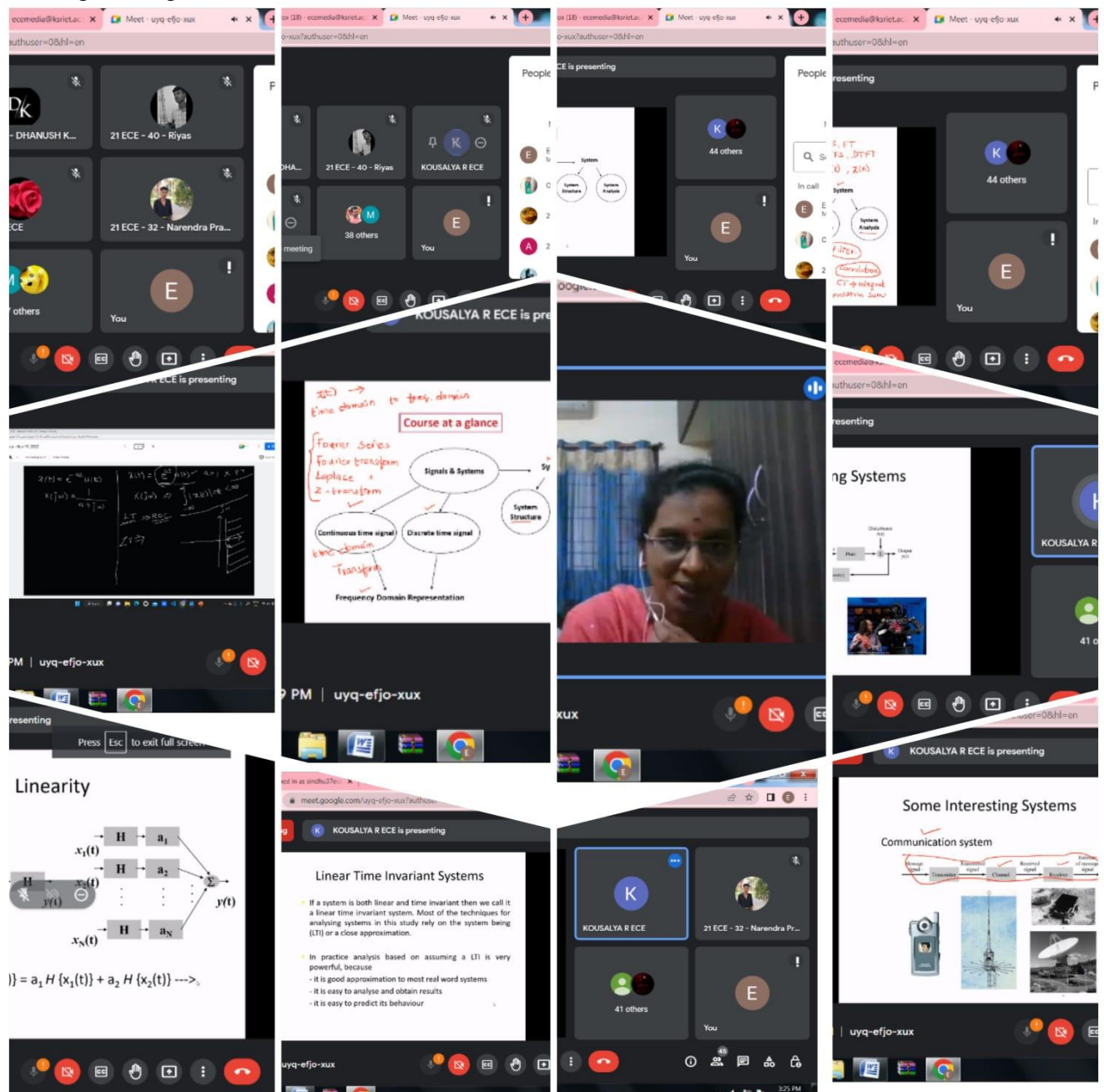
- Department of Electronics and communication Engineering organized **Value Added Course** on **“PCB DESIGNING AND PRODUCT DEVELOPING”** from 10.08.2022 to 12.08.2022.





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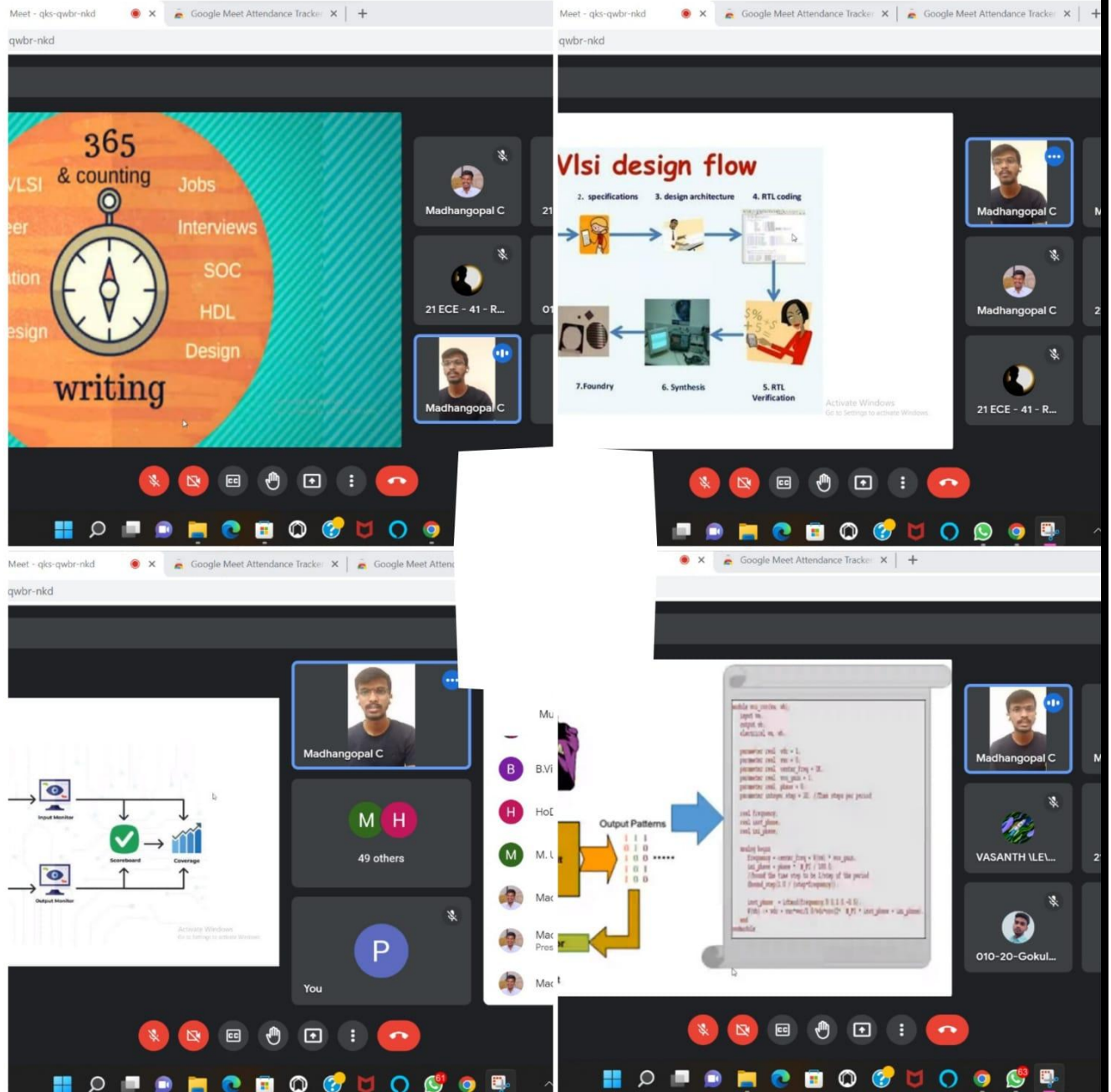
Department of Electronics and communication Engineering organized Seminar on “**OVERVIEW OF SIGNALS AND SYSTEMS**” on 19.11.2022. The Resource person Ms.R.Kousalya, Assistant Professor, Department of Electronics and Communication Engineering, Sri Venkateshwara College of Engineering –Chennai.



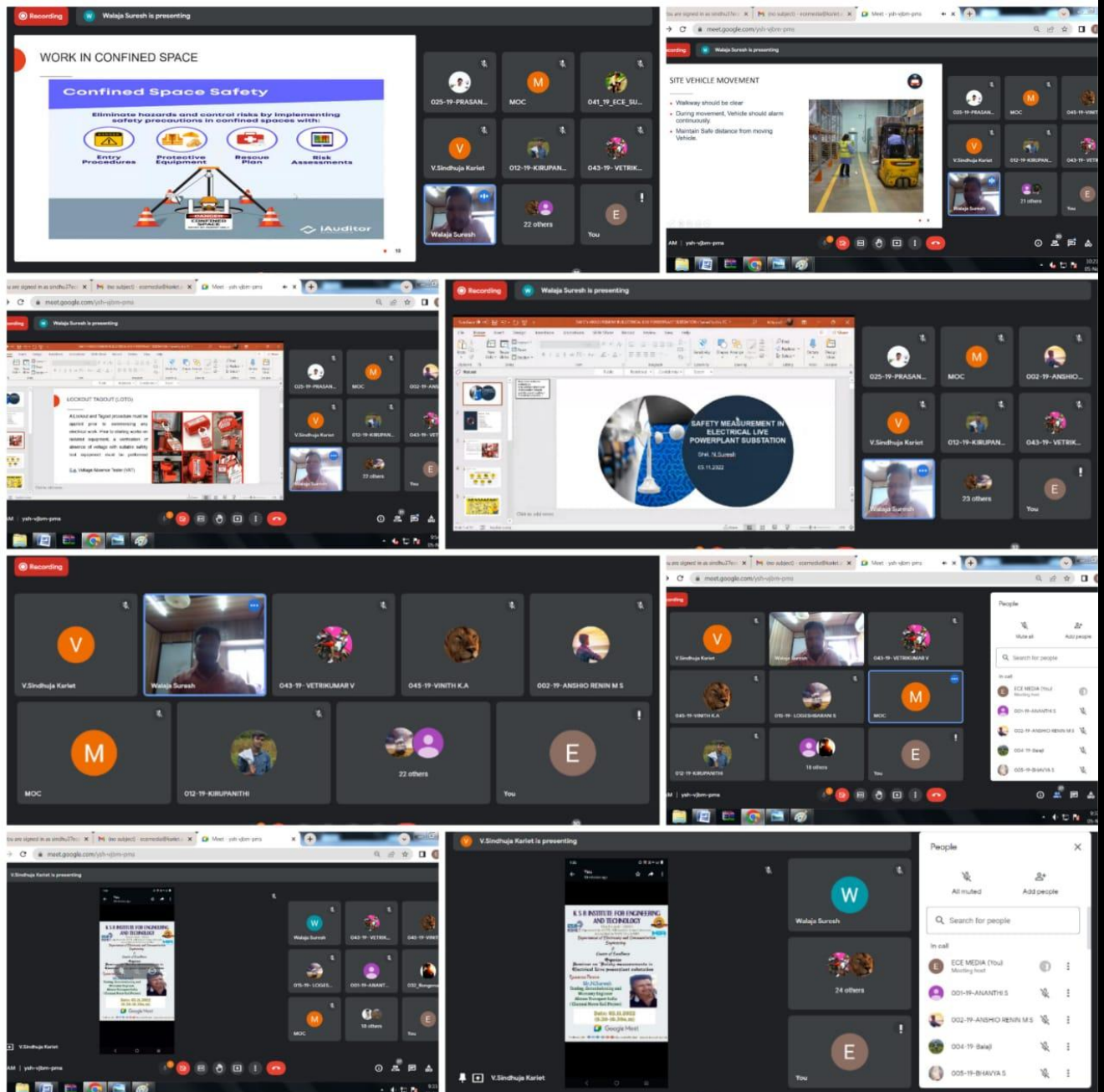


## CENTRE OF EXCELLENCE

- Department of Electronics and Communication Engineering organized Seminar on “**RECENT TECHNOLOGY IN DIGITAL DESIGN**” on 10.11.2022. The Resource person Mr.C.Madhan Gopal, ASIC Verification Engineer, Smart DV Technologies, Bengaluru.



- Department of Electronics and Communication Engineering organized Seminar on “**SAFETY MEASUREMENTS IN ELECTRICAL LIVE POWERPLANT SUBSTATION**” on 5.11.2022. The Resource person Mr.N.Suresh, Testing, Commissioning and Warranty Engineer, Alstom transport India (Chennai Metro Rail Project).



- Department of Electronics and communication Engineering organized Seminar on “**UNCONVENTIONAL ARCHITECTURE AND COMPUTING TYPES**” on 19.11.2022. The Resource person Mr.J.Mahesh PCB Layout Designer, Pactron India Pvt Ltd, Coimbatore.

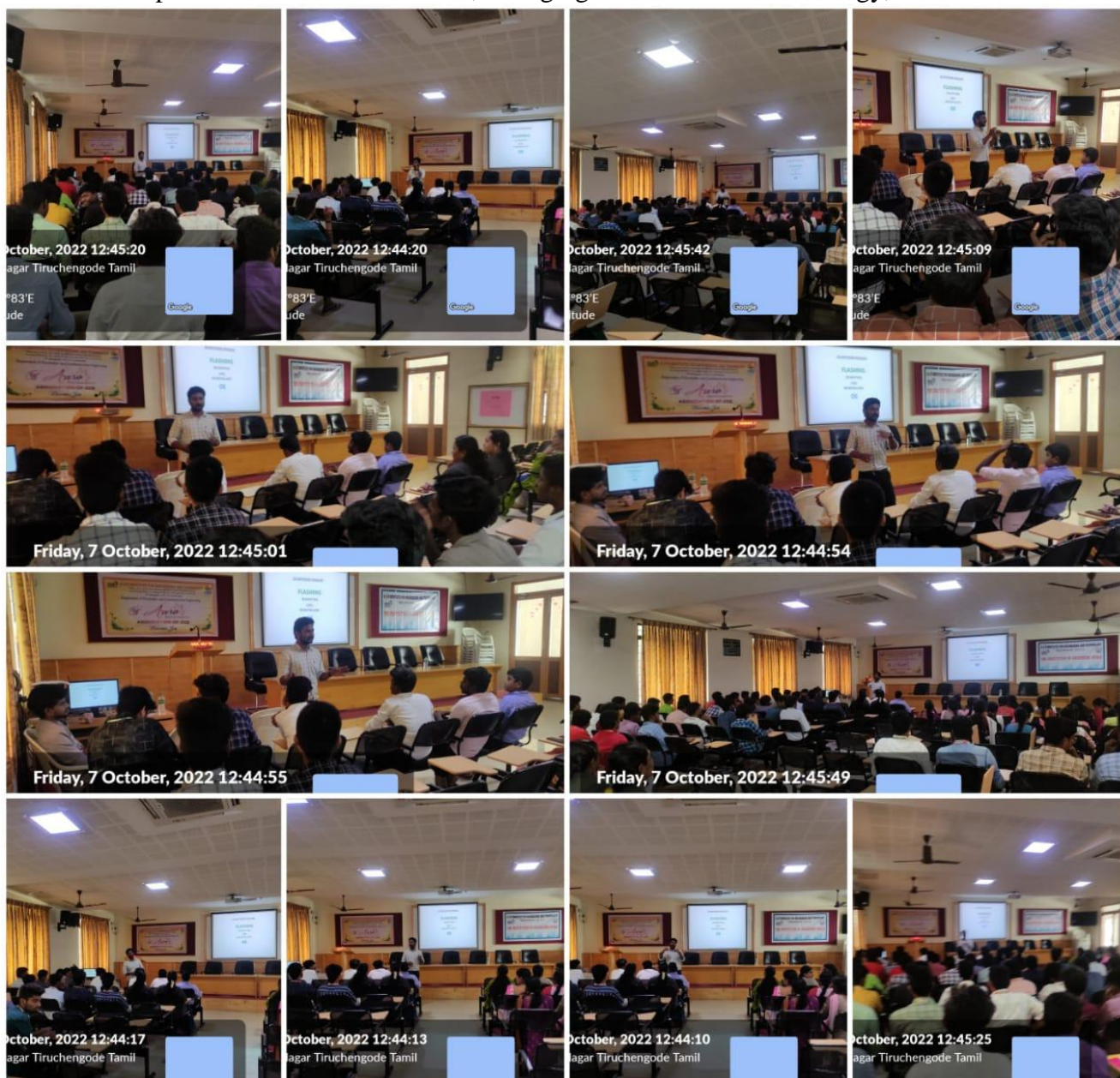


## MOU (MEMORANDUM OF UNDERSTANDING)

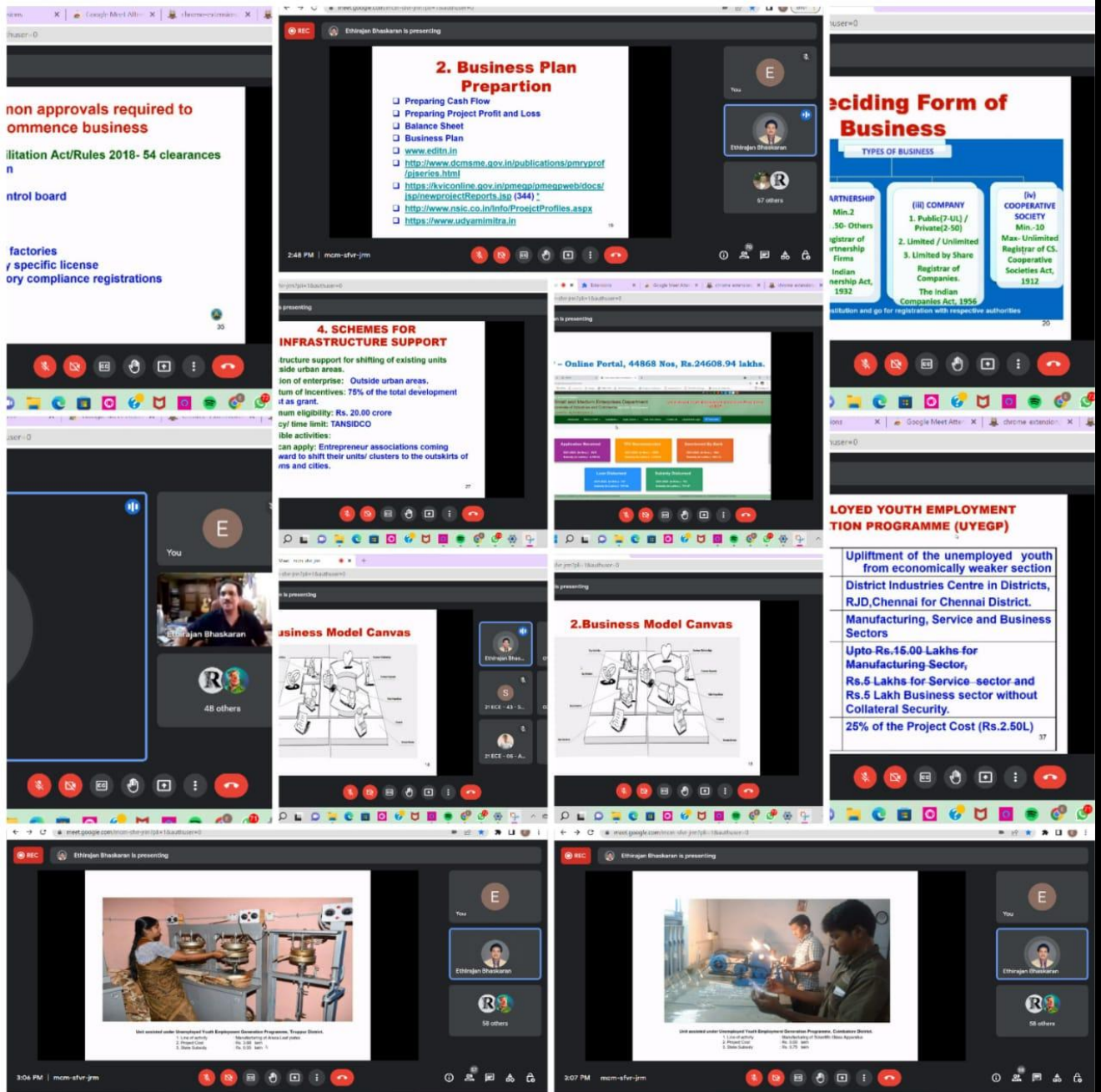
Department of Electronics and communication Engineering signed an MOU “**MEMORANDUM OF UNDERSTANDING**” with new Technology on 07.10.2022. The Resource person Mr.B.Krishna Kumar, Managing Director New Technology, Coimbatore.

## INSTITUTION OF ENGINEERS

- Department of Electronics and communication Engineering & Institution of Engineers Organized Seminar on “**SMART PHONE TROUBLESHOOTING**” on 07.10.2022. 2022. The Resource person Mr.B.Krishna Kumar, Managing Director New Technology, Coimbatore.

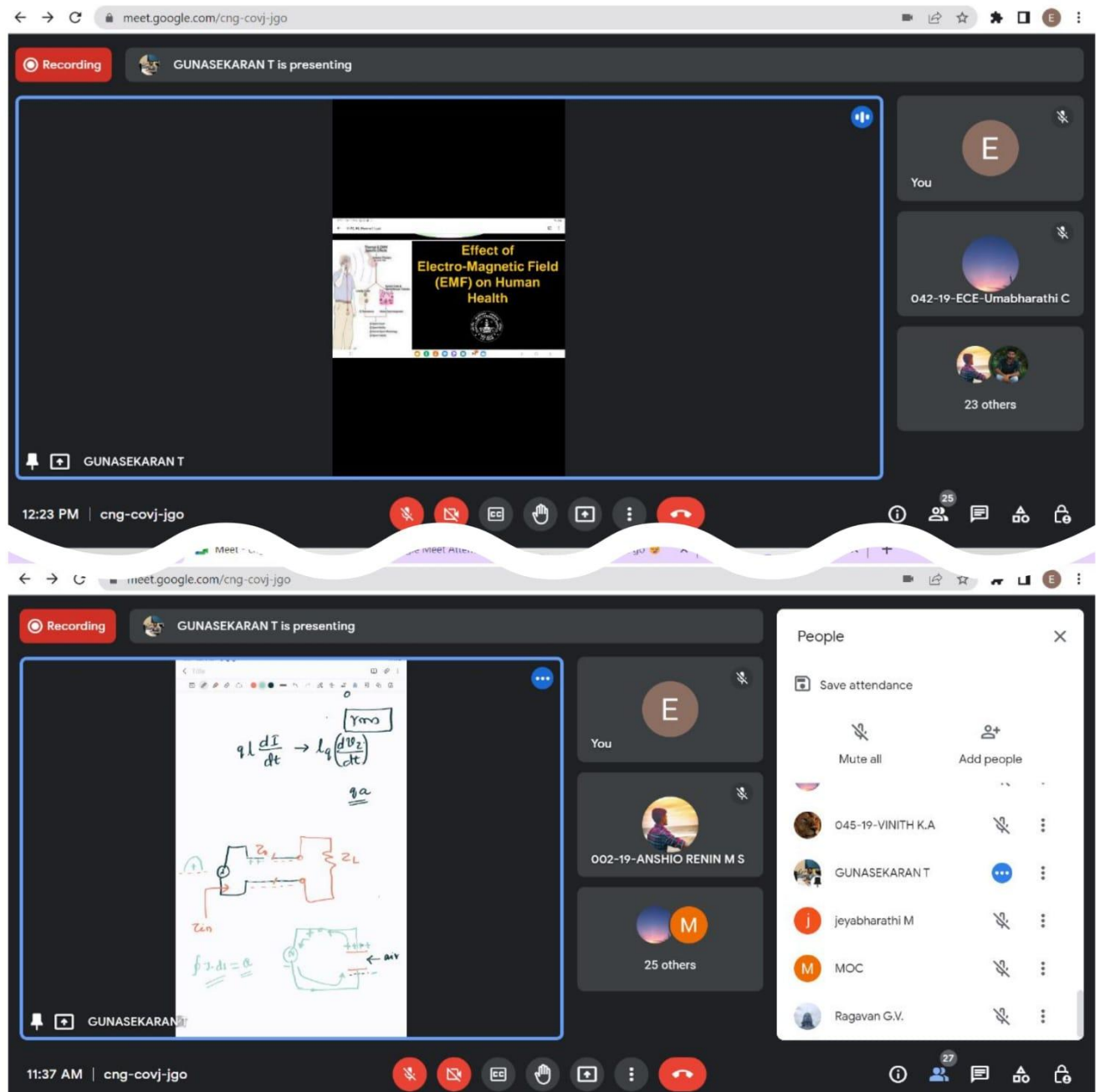


- Department of Electronics and communication Engineering & Institution of Engineers Organized Industry Seminar on **“TEN STEPS TO BECOME ENTREPRENEUR”** on 24.09.2022. The Resource person Dr.E. Bhaskaran. B.E., Joint Director (Engineering), Department of Industries and Commerce, Government of Tamil Nadu Thiru.Vi.Ka. Industrial Estate Guindy Chennai 32

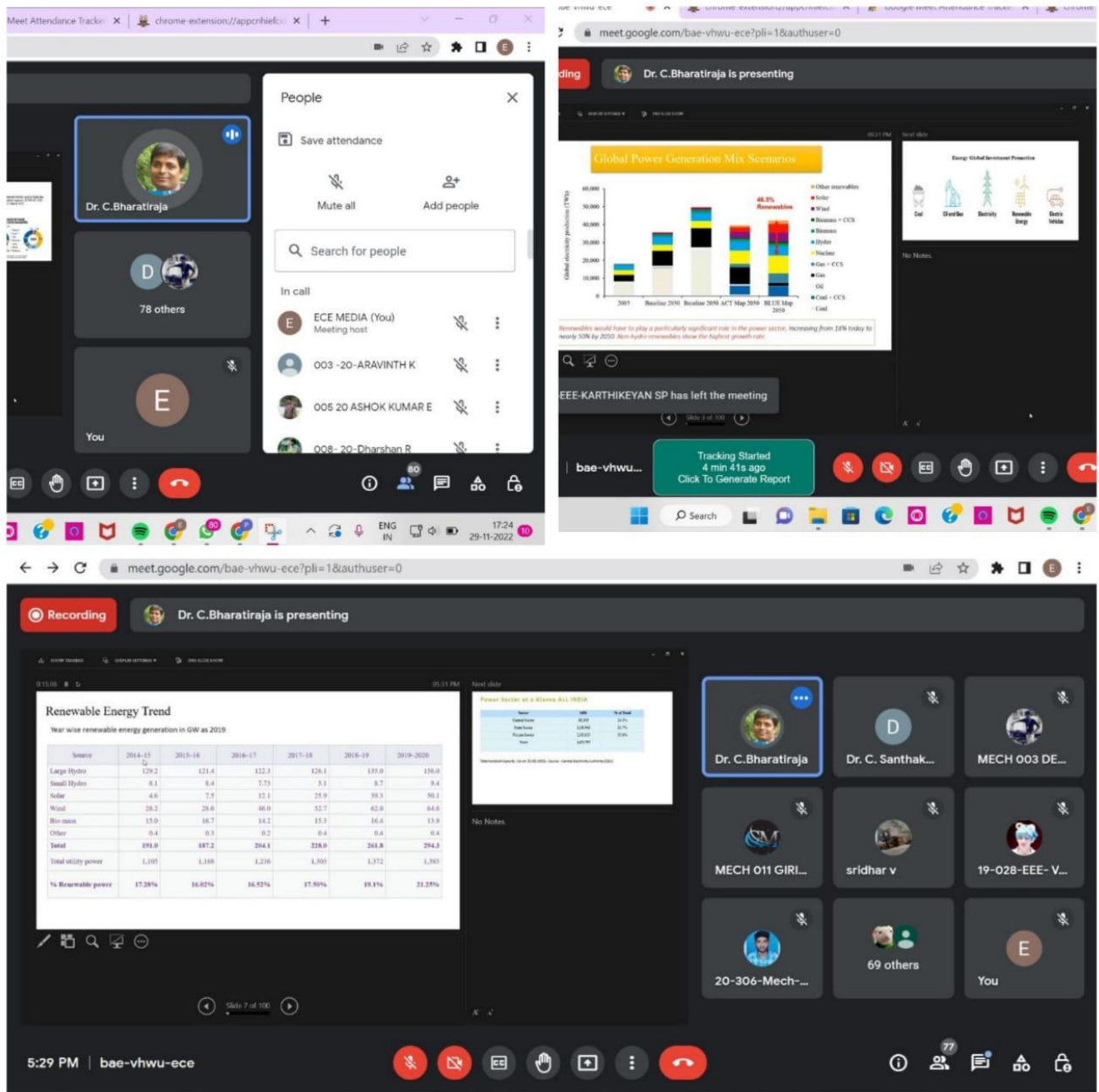




Department of Electronics and communication Engineering organized Seminar on “**BASICS OF ANTENNAS AND BEAM FORMING - MASSIVE MIMO AND ANTENNA RADIATION HAZARD**” on 05.11.2022. The Resource person Dr. T. Gunasekaran, Program Director, Department of Electrical and Electronics Engineering University of Technology and Applied Sciences-HCT,

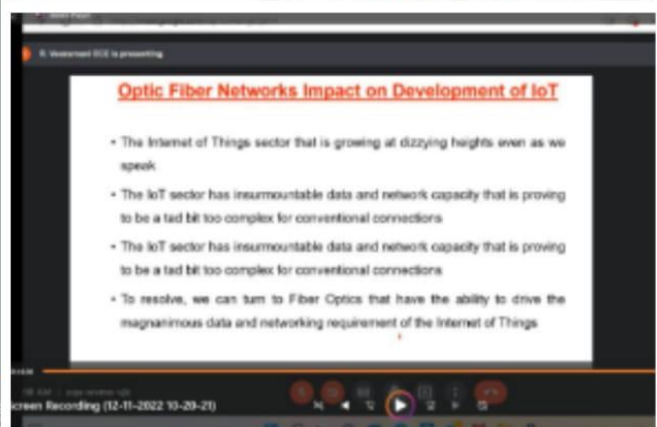
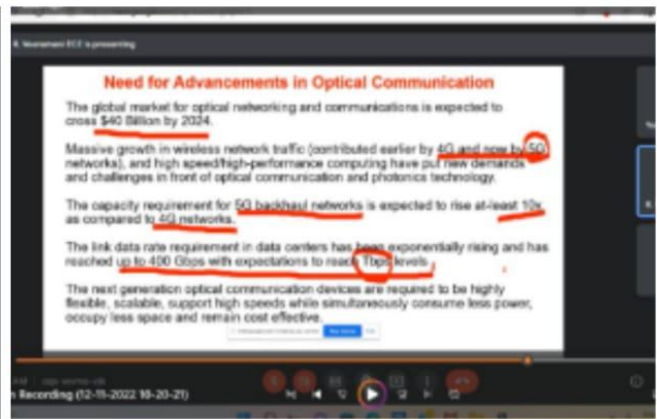
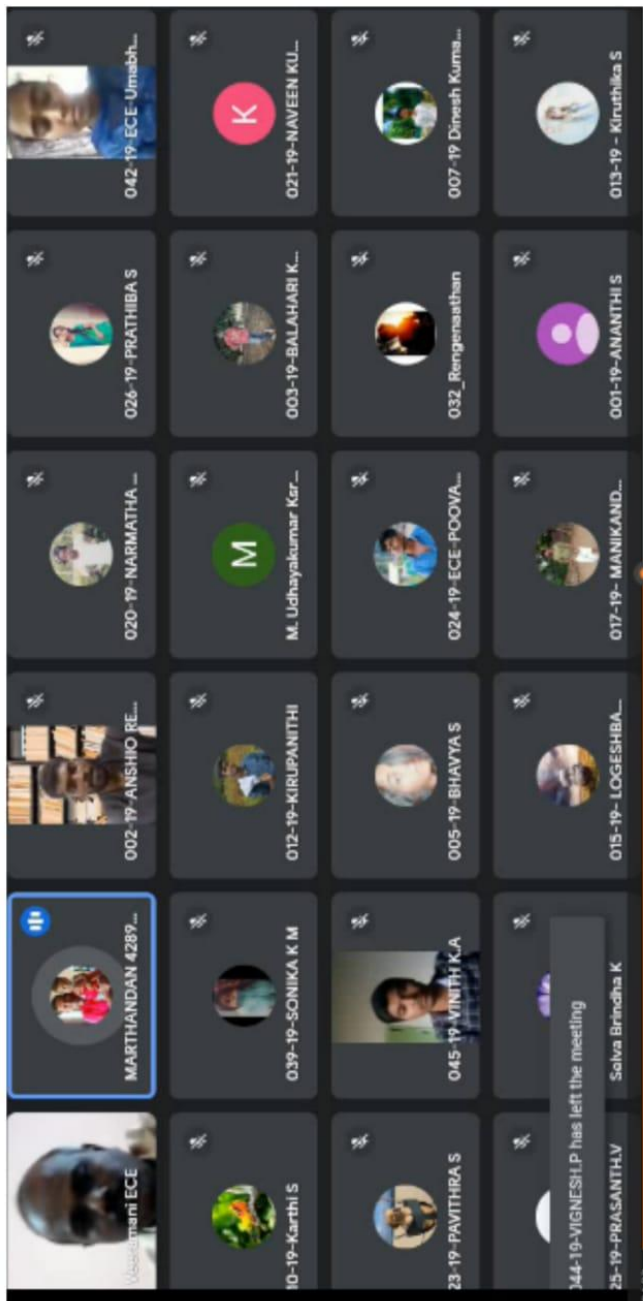


- Department of Electronics and communication Engineering organized Seminar on “**EMERGING TRENDS IN RENEWABLE ENERGY TECHNOLOGIES**” on 29.11.2022. The Resource person Dr.C.Bharatiraja Professor Department of Electrical and Electronics Engineering,SRM Institute of Science and Technology Kattankulathur Campus,

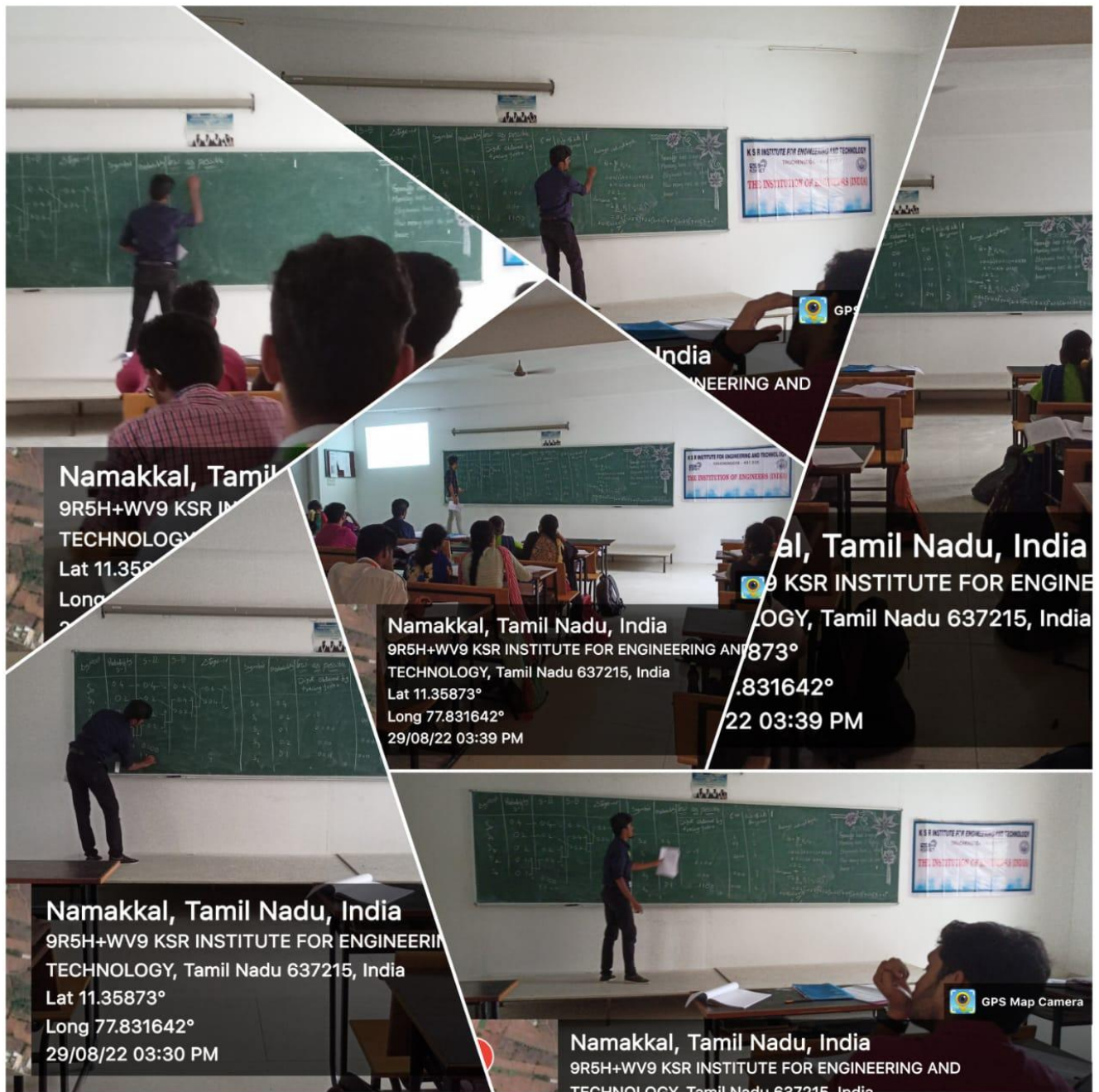


- Department of Electronics and communication Engineering & Institution of Engineers Organized Seminar on **“RECENT TRENDS IN OPTICAL COMMUNICATION”** on 12.11.2022. The Resource person Mr. R. Veeramani, Associate Professor, Department of Electronics and Communication Engineering, KSR College of Engineering, Tiruchengode





- Department of Electronics and communication Engineering & Institution of Engineers Organized Seminar on “**SLOW LEARNER TO SUCCEED**” on 29.08.2022 with the advance learners of III ECE.





### LIST OF FUNDING PROPOSALS

S.No	Scheme /Proposal Name	Title	Investigators	Status	Amount Applied
1.	Science and Heritage Research Initiative SHRI	"Autonomous Irrigation and Plant growth monitoring system for vertical farming using Machine Learning"	PI : Dr.R.NANDAKUMAR Co – PI: Mr. M.V. MAHESH	APPLIED (2021-2022)	Rs.7,18,687
2.	DST-Inspire faculty fellowship	24x7 Smart Ring-Wearable system to against violence on school children	Dr.S.PREMALATHA	APPLIED (2022-2023 ODD)	Rs.1,25,000
3.	SERB	<b>SWACHH SMART BASES:</b> Making of Smarter River Beds, Based on Environmental Pollution Monitoring by Wireless Sensor Networks.	Dr.S.JAYACHITRA	APPLIED (2021-22 EVEN)	Rs.27,91,080
4.	AICTE-MODROBS	MODERNIZATION OF R&D Lab	Dr.S.JAYACHITRA	2022-23-ODD GOING TO APPLY	Rs 20,00,000.

### FACULTY PARTICIPATION

S. No	Name of the Faculty	Name of the programme	Date	Name of the Organization
1.	Dr.S.JAYACHITRA	FDP on Intellectual Property Rights & Patenting in India	13/06/2022 to 17/06/2022	NITTTR Chandigarh,ntrepreneurship Development and Industrial Coordination Department
		IP awareness program under National Intellectual Property awareness mission	23.11.2022	Intellectual Property Office, India with KSRIET, Tiruchengode
		Webinar on “Latest Research in Nano-Composites, Computational Physics, Cybersecurity, Network Communication & Data Privacy”	16.10.2022	EduCare, Taiwan with NSYSU, Taiwan
		AICTE Sponsored Worshop on Designing	01.08.2022 to	AICTE&Arm education and STMicronics

S. No	Name of the Faculty	Name of the programme	Date	Name of the Organization
		and Modelling of IOT, AI & ML Systems	05.08.2022	
		RRRLF Sponsored National Conference on Transformation of Learning Resource Centres in DIGITAL Era.	13.10.2022	K S R CT-LIBRARY&SALIS
		International webinar on Effective Methodology for Research paper writing	03.09.2022	V.S.B. Engineering College, Karur
		FDP on Restructuring Classrooms	03.12.2022	HR Cell, K S R Institute of Engineering and Technology
		NPTEL online certification course on Accreditation and Outcome Based Learning (ELITE & SILVER)	-	NPTEL
		FDP on Accreditation and Outcome Based Learning	2022-2023	NPTEL
		Workshop on “Workplace Communication”	27.08.2022	K S R Institute For Engineering and Technology, Tiruchengode
2.	B.LATHA	FDP on “Recent Advancements and Applications of Data science”	27-06-22 to 02-07-22	Paavai Engineering College
		FDP on “Recent opportunities in emerging trends of Electronics and Communication Engineering”	18-07-22 to 22-07-22	KPR Institute of Engineering and Technology
		Workshop on “Designing and Modeling of IoT, AI & ML Systems”	01-08-22 to 05-08-22	ATAL & AICTE
		FDP on “Recent trends in Image Processing and its applications”	21-09-22 to 27-09-22	Velammal Institute of Technology
		NPTEL online certification course on Accreditation and Outcome Based Learning (ELITE & SILVER)	July – Oct 2022	NPTEL
		Workshop on “Medical Signal Processing”	17-12-22 & 18-12-22	Thiagarajar College of Engineering
3.	T.MARTHANDAN	FDP on Intellectual Property Rights & Patenting in India	13/06/2022 to 17/06/2022	NITTTR Chandigarh, Entrepreneurship Development and Industrial Coordination Department
		FDP on “Recent Advancements and Applications of Data science”	27-06-22 to 02-07-22	Paavai Engineering College



S. No	Name of the Faculty	Name of the programme	Date	Name of the Organization
		Webinar On Latest Reaserch In Iot Driven Analysis-Smart Manufacturing	17-07-2022	Educare Taiwan with YUAN ZE University, Taiwan
		Innovation Ambassador Training Advanced Level	30.06.2022 to 30.07.2022	Ministty of Education Government of India, MoE's Innovation cell & AICTE
		Trainer program" Powering Iot Using ARDUINO/RASPBERRY PI	26-09-2022 to 30-09-2022	SkillsDa Under NanMudhlvan Scheme
4.	P.MOHANA SUNTHARI	FDP on "Antenna and Microwave Engineering"	20.06.2022 to 26.06.2022	Ramco Institute of Technology,Rajapalayam
		FDP on "Recent Trends in 5G Communication, Design & Technologies	5.7.2022 to 9.7.2022	Rajalakshmi Engineering College in association with IEEE Student Branch-REC, IETE and Institution Innovation Council
		Workshop on "5G NOMA Communication	12-13.08.2022	CVR COLLEGE OF ENGINEERING ,Telanagana
		Webinar on "Latest Research in Nano-Composites, Computational Physics, Cybersecurity, Network Communication & Data Privacy"	16.10.2022	EduCare, Taiwan with NSYSU, Taiwan
		STTP on "Research Trends in Antenna Design and Beyond Applications"	5.12.2022 & 6.12.2022	IEEE Student chapter at CARE College of Engineering
5.	B.VINOTH KUMAR	FDP on "Microsoft Azure AI Engineer Associate"	20.06.2022 to 22.06.2022	ICT Academy
		Webinar on "Effective Methodology for Research paper writing"	03.09.2022	V.S.B. Engineering College, Karur
		IP Awareness/Training program under NATIONAL INTELLECTUAL PRPOERTY AWARENESS MISSION	23.11.2022	Intellectual Property Office, India
		NPTEL online certification course on Accreditation and Outcome Based Learning	-	NPTEL
		Workshop on "Workplace Communication"	27.08.2022	K S R Institute For Engineering and Technology, Tiruchengode
6.	M.M.ARUN PRASTH	FDP on "Recent Advancements and	27.06.2022 to	Paavai Engineering College (Autonomous), Namakkal

S. No	Name of the Faculty	Name of the programme	Date	Name of the Organization
		Applications of Data science”	02.07.2022	with IE(I), Salem
		Webinar on “Latest Research in IoT Data Driven analysis – Smart Manufacturing”	17.07.2022	EduCare, Taiwan with YUAN ZE University, Taiwan
		Webinar on “Latest Research in Nano-Composites, Computational Physics, Cybersecurity, Network Communication & Data Privacy”	16.10.2022	EduCare, Taiwan with NSYSU, Taiwan
		IP awareness program under National Intellectual Property awareness mission	23.11.2022	Intellectual Property Office, India with KSRIET, Tiruchengode
		FDP on “How Teachers can make a Difference”	01.12.2022 to 03.12.2022	PALS with (TLC) IIT MADRAS
		Webinar on “Latest Research in Polymer Blend Based Nanocomposites & Metallic Nanostructures for Biomedical sensors & Optoelectronics”	18.12.2022	EduCare, Taiwan with Chang Gung University, Taiwan
		ATAL FDP on “Industrial IOT: Security Issues, Challenges & Solutions”	26.12.2022 to 06.01.2023	Methodist College of Engineering & Technology (An Autonomous Institution), Hyderabad, Telengana with ATAL & AICTE
7	M.DHARANI	Workshop on “Workplace Communication	27.08.2022	KSR Institute for Engineering and Technology-Tiruchengode
		NPTEL online certification course on Accreditation and Outcome Based Learning	-	NPTEL
		Webinar on Effective Methodology for Research Paper writing	03.09.2022	VSB Engineering College-Karur
		FDP-Recent Trends on Digital Image Processing Techniques	5.12.2022-9.12.2022	Sreenivasa Institute of Technology and Management studies -Chittoor
		Workshop-Design and Modelling of IOT, Ai&ML System	01.08.2022 -5.08.2022	All India Council for Technical Education(AICTE
8	Dr.S.PREMALATA	Deep Learning For Computer Vision,Speech And NLP:Research And	27/06/2022 To 01/07/2022	PSG CVSR,PSG College of Technology



S. No	Name of the Faculty	Name of the programme	Date	Name of the Organization
		Application Perspective		
		Workshop on “Workplace Communication”	27.08.2022	K S R Institute For Engineering and Technology, Tiruchengode
		IP awareness program under National Intellectual Property awareness mission	23.11.2022	Intellectual Property Office, India with KSRIET, Tiruchengode
		FDP on Restructuring Classrooms	03.12.2022	HR Cell, K S R Institute of Engineering and Technology
		NPTEL online certification course on Accreditation and Outcome Based Learning (ELITE )	-	NPTEL
		FDP on Accreditation and Outcome Based Learning	2022-2023	NPTEL
		FDP on Microsoft Power BI Data Analyst Associate	26.12.2022 to 30.12.2022	ICT Academy
9	V.SINDHUJA	FDP on Restructuring Classrooms	03.12.2022	HR Cell, K S R Institute of Engineering and Technology
		Workshop on “Workplace Communication”	27.08.2022	K S R Institute For Engineering and Technology, Tiruchengode
		Workshop on “Designing and Modeling of IoT, AI & ML Systems”	01-08-22 to 05-08-22	ATAL & AICTE

## PATENTS APPLIED AND PUBLISHED DETAILS

S.No.	Patent Title	Applicants Name	Patent Filed Date	Patent Status (Applied/Filed/Granted)
1.	the detection of varied EEG Pattern Signal for Chronic Migraine Patients Using Machine Learning Approach	M.Dharani	Patent Filed Date: 15/11/2022 Patent number 202241065256 A	Published Date: 25/11/2022
2.	Prediction of malicious communication in vehicular adhoc network using artificial intelligence technique	Dr. S. Jayachitra Ms. M. Jeyabharathi	Patent Filed Date: 16/11/2022 Patent number 202231065594 A	Published Date: 18/11/2022
3.	An Artificially Intelligence System For Monitoring and Preventing Dryness in Plants	M. V. Mahesh T.Marathandan Mr.M.M.Arun Prasath Mr.M. Udhayakumar	Patent Filed Date: 13/09/2022 Patent number 202241052122 A	Published Date: 23/09/2022
4.	Artificial Intelligence Based System to Assist the Commute for Visually Challenged	Dr. R. Nandakumar Dr. S. Jayachitra B. Vinothkumar	Patent Filed Date: 13/09/2022 Patent number 202241052116 A	Published Date: 23/09/2022
5.	the Novel routing Protocol for efficient network topology in smart grid Infrastructure	Mr.M. Udhayakumar Mr.M.M.Arun Prasath Mr.B.Vinothkumar	Patent Filed Date: 17/10/2022 Patent number 202231059317 A	Published Date: 21/10/2022
6.	<b>Design Patent</b> - Plant Health monitoring system	Mr P.Govindaraju Mr.M.M.Arun Prasath	Patent Filed Date: 8/12/2022	Application under process
7.	Wearable Electronic Monitoring Device for Baby health	Ms.B.Latha Ms.P.Mohana Sunthari Ms.V.Sindhuja	Patent Filed Date:26.11.22	Published Date: 02/12/2022
8.	A Smart hybrid charging cover and system for mobile communication devices	Mr.M.M.Arun Prasath	Patent Filed Date:7.11.22	Published Date: 18/11/2022



## (Co-curricular Activities – Inter College level)

### LIST OF STUDENTS PARTICIPATED IN PAPER PRESENTATION

S.No	Name of the student	Year / Semester	Title of the paper presentation	Name of the Organization	Date
1.	T.RANJANI	III/V	NETWORK SECURITY- NATIONAL LEVEL STUDENTS TECHNICAL SYMPOSIUM	VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY	08.10.2022
2.	P.HARISH RAAM	II/III	A NATIONAL DESIGN THINKING CONTEST&FESTIVAL	K.S.R INSTITUTE FOR ENGINEERING AND TECHNOLOGY	13.09.2022 - 17.09.2022
3.	M.KIRAN RAJ			K.S.R INSTITUTE FOR ENGINEERING AND TECHNOLOGY	13.09.2022- 17.09.2022
4.	M.YASOD			K.S.R INSTITUTE FOR ENGINEERING AND TECHNOLOGY	13.09.2022- 17.09.2022
5.	R.LOKESHWARAN			K.S.R INSTITUTE FOR ENGINEERING AND TECHNOLOGY	13.09.2022 - 17.09.2022
6.	V.RAJKUMAR			K.S.R INSTITUTE FOR ENGINEERING AND TECHNOLOGY	13.09.2022 - 17.09.2022
7.	R.NAVEEN	II/III	PAPER PRESENTATION- NATIONAL LEVEL TECHNICAL SYMPOSIUM	HINDUSTHAN INSTITUTE OF TECHNOLOGY	29.09.2022
8.	B.GOWTHAM KUMAR			HINDUSTHAN INSTITUTE OF TECHNOLOGY	29.09.2022
9.	C.SOUNDARYA	II/III	PAPER PRESENTATION RENEWABLE ENERGY DAY- 2022	SSM COLLEGE OF ENGINEERING	15.09.2022
10.	R.SRINITHI			SSM COLLEGE OF ENGINEERING	15.09.2022
11.	V.SIVASHANMUGH A	II/III	PAPER PRESENTATION	SONA COLLEGE OF TECHNOLOGY	05.05.2022
12.	R.LOGESWARAN	II/III	MR.PRESENTER- NATIONAL LEVEL TECHNICAL SYMPOSIUM	M.KUMARASAMY COLLEGE OF ENGINEERING	03.11.2022

## (Co-curricular Activities – Inter College level)

### LIST OF STUDENTS PARTICIPATION EXTRA CURRICULAR ACTIVITIES

S.No	Name of the Student	Year / Semester	Name of the event	Name of the Organization	Date
1.	S.POOJA	II/III	ALTRONICS-2K22-NATIONAL LEVEL TECHNICAL SYMPOSIUM	AL-AMEEN ENGINEERING COLLEGE	15.07.2022
2.	S.SOWMIYA			AL-AMEEN ENGINEERING COLLEGE	15.07.2022
3.	P.DHARMASATHA	II/III	SOLO SINGING	K.S.R COLLEGE OF ENGINEERING	27.05.2022
4.	P.DHARMASATHA	II/III	YOUTH TALK	ICT ACADEMY	07.10.2022
5.	P.DHARMASATHA	II/III	SINGING COMPETITION	ZEE TAMIL	-
6.	P.DHARMASATHA	II/III	SINGING COMPETITION	STAR VIJAY	-

### LIST OF STUDENTS PARTICIPATED IN WORKSHOP

S.No	Name of the Student	Year / Semester	Title of the event/workshop	Name of the organisation	Date
1	S.SUSEENDHAR	II/III	WORKSHOP-ANTENNAS FOR AUTONOMOUS VEHICLE	ERODE SENGUNTHAR ENGINEERING COLLEGE	-
2	S.SUDHARSAN			ERODE SENGUNTHAR ENGINEERING COLLEGE	-
3	M.ROHITH			ERODE SENGUNTHAR ENGINEERING COLLEGE	-
4	N.SIBI			ERODE SENGUNTHAR ENGINEERING COLLEGE	-
5	K.HARSHINI	III/V	WORKSHOP -INDUSTRIAL AUTOMATION-IIOT	PSG COLLEGE OF TECHNOLOGY	29.10.2022-30.10.2022
7	S.HARIDHARAN	III/V	2-DAYS E-LEADER WORKSHOP	PROGRAM MONITORING OFFICE –INNOVATION & ENTREPRENEURSHIP DEVELOPMENT	07.10.2022



## (Co-curricular Activities – Inter College level)

### LIST OF STUDENTS PARTICIPATED IN THE PROJECT EXPO/IDEA THON

S.No	Name of the Student	Year / Semester	Title of the project expo	Name of the Organization	Date
1.	DHIVAKAR M	III/V	REMOTE BASED TRAFFIC MONITORING SYSTEM	KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
2.	BHUVAN KUMAR D			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
3.	NANDHA KUMAR K			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
4.	SRI NAVEEN KUMAR M			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
5.	SIVARAJA KRISHNAN R	III/V	ULTRASONIC SECURITY SYSTEM USING ARDUINO UNO	KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
6.	PERUMAL S			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
7.	DHARSAN R			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
8.	YAMINI H.J	III/V	IOT BASED ON MANHOLE DETECTION&MONITORING SYSTEM	KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
9.	GUNASEKARAN M			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
10.	HARSHINI K			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
11.	KOWSALAYA S	III/V	LORA BASED WIRELESS WEATHER MONITORING	KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
12.	YUVARAJ L			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
13.	RANJANI T			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
14.	SASIDHARAN P	III/V	ECG SIGNAL ANALYSIS	KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
15.	JEEVANRAJ M			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
16.	SOWMIYA C			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022
17.	MANOJ KUMAR K			KANGAYAM GROUP OF INSTITUTIONS	15.10.2022

## (Co-curricular Activities – Inter College level)

### LIST OF STUDENTS PARTICIPATED IN TECHNICAL AND NON TECHNICAL EVENT

S.NO	NAME OF THE STUDENT	YEAR/ SEMESTER	NAME OF THE EVENT	NAME OF THE ORGANISATION	DATE
1.	N.SIBI	II/III	TRICKY CIRCUIT (SECOND PRICE)	ERODE SENGUNTHAR ENGINEERING COLLEGE	20-10-2022
2.	M.ROHIT			ERODE SENGUNTHAR ENGINEERING COLLEGE	20-10-2022
3.	S.SUDHARSAN			ERODE SENGUNTHAR ENGINEERING COLLEGE	20-10-2022
4.	S.SUSEENDAR			ERODE SENGUNTHAR ENGINEERING COLLEGE	20-10-2022
5.	M.VIJAY	II/III	E^2CHunt	PAAVAI COLLEGE OF ENGINEERING COLLEGE OF TECHNOLOGY	29-09-2022 - 30-09-2022
6.	S.PRITHIVIRAJ			PAAVAI COLLEGE OF ENGINEERING COLLEGE OF TECHNOLOGY	29-09-2022 - 30-09-2022
7.	HARI ARULKUMAR			PAAVAI COLLEGE OF ENGINEERING COLLEGE OF TECHNOLOGY	29-09-2022 - 30-09-2022
8.	V.SIVASHANMUGHA			PAAVAI COLLEGE OF ENGINEERING COLLEGE OF TECHNOLOGY	29-09-2022 - 30-09-2022
9.	P.SANJAY	II/III	ARVUITIFIESTA'22- NATIONAL LEVEL TECHNICAL SYMPOSIUM	MAHENDRA COLLEGE OF ENGINEERING	22-09-2022
10.	M.VIJAY			MAHENDRA COLLEGE OF ENGINEERING	22-09-2022
11.	K.DHANUSHKUMAR			MAHENDRA COLLEGE OF ENGINEERING	22-09-2022
12.	R.NAVEEN	II/III	ARVUITIFIESTA'22 NATIONAL LEVEL TECHNICAL SYMPOSIUM	MAHENDRA COLLEGE OF ENGINEERING	22-09-2022
13.	S.ESWARAN			MAHENDRA COLLEGE OF ENGINEERING	22-09-2022
14.	V.SIVASHANMUGHA			MAHENDRA COLLEGE OF ENGINEERING	22-09-2022
15.	R.LOGESHWARAN	II/III	CODE SMASH (FIRST PRICE)	M.KUMARASAMY COLLEGE OF ENGINEERING	03-11-2022



**INPLANT TRAINING &INTERNSHIP LIST Academic Year: 2022-2023**

<b>S.No</b>	<b>Student Name</b>	<b>Company Name</b>	<b>Year</b>	<b>From Date</b>	<b>To Date</b>	<b>No.of Students</b>	<b>Area</b>
1.	V.Rajkumar M.Kiranraj P.Harishraam	Rightway Technology, Coimbatore	II	02.09.2022	04.09.2022	3	Embedded C Programmi ng
2.	Gowtham.T Loganathan.N Sivaperumal.K Santhosh.M Kavin.S	Enthu Academic Solutions	II	05.11.2022	09.11.2022	5	Embedded C Programmi ng
3.	Hari.A Athief.S Sultan.A Sudharsan.S Syed Hasan.S Manoj Kumar.s Yasod.N.M Sibi.N Suseendhar.S Rohith.M	Caliber Embedded Technologie s India Pvt.Ltd.	II	18.11.2022	20.11.2022	10	Basics of Electronics

## Co-curricular Activities – Intra College level)

### Team wise Name list for circuit debugging

S.No.	Reg. No.	Name of the Student	Year/Sem
<b>Team 1</b>			
1	731621106009	DHARMASASTHA P	II/III
2	731620106041	SOWMIYA C	III/V
3	731621106021	KAVIPRIYA S	II/III
4	731620106040	SIVARAYAKRISHNAN R	III/V
5	731621106053	SUDHARSAN S	III/V
<b>Team 2</b>			
6	731621106044	SANTHOSH M	II/III
7	731621106048	SIBI N	II/III
8	731620106308	SRI JANANI T	III/V
9	731620106045	SUVASHINI M	II/III
10	731621106007	DHANUSH V	II/III
<b>Team 3</b>			
11	731621106041	ROHITH M	III/V
12	731620106036	RANJANI T	III/V
13	731620106049	YUVARAJ L	III/V
14	731620106043	SURYA NARAYANA KUMAR G	III/V
15	731621106008	DHANUSH KUMAR K	II/III
<b>Team 4</b>			
16	731621106055	SUSEENDHAR S	III/V
17	731621106011	ESWARAN S	II/III
18	731620106022	KUMUTHALAKSHMI T	III/V
19	731620106005	ASHOK KUMAR E	III/V
20	731621106042	SANJAY P	II/III
<b>Team 3 WINNER</b>			
1	731621106041	ROHITH M	III/V
2	731620106036	RANJANI T	III/V
3	731620106049	YUVARAJ L	III/V
4	731620106043	SURYA NARAYANA KUMAR G	III/V
5	731621106008	DHANUSH KUMAR K	II/III

### Art creation on Environmental Issues

S.No.	Reg. No.	Name of the Student	Year/Sem
1.	731620106036	RANJANI T	III/V
2.	731620106041	SOWMIYA C	III/V
3.	731620106040	SIVARAYAKRISHNAN R	III/V
4.	731620106043	SURYA NARAYANA KUMAR G	III/V
5.	731620106045	SUVASHINI M	III/V
6.	731620106008	DHARSHAN R	III/V

7.	731620106007	DEEPAK M	III/V
8.	731620106049	YUVARAJ L	III/V

### Team wise Name list for Project Expo-2k22

S.No.	Reg. No.	Name of the Student	Year/Sem
<b>Team 1 :OBSTACLES AVOIDING ROBO CAR WITH FULLY AUTOMATIC</b>			
1	731620106303	HARIDHARAN S	III/V
2	731620106302	DHIVAKAR M	III/V
<b>Team 2:ULTRASONIC SECURITY SYSTEM USING AUDUINO UNO WINNER TEAM</b>			
3	731620106005	ASHOK KUMAR E	III/V
4	731620106030	PRABHU M A	III/V
5	731620106046	VIKRAMAN D	III/V
<b>Team 3:SMOKE DETECTION USING AUDUINO</b>			
6	731620106039	SANJAY P S	III/V
7	731620106025	NARENDHIRAN R	III/V
<b>Team 4:WHEELCHAIR FALL DETECTOR USING IOT</b>			
8	731619106003	BALAHARI KRISHNA V	IV/VI
9	731619106039	SONIKA K M	IV/VI
<b>Team 5:TRAFFIC LIGHT CONTROLLER DURING PEAKHOURS</b>			
10	731619106027	PRAVEEN KUMAR S	IV/VI
11	731619106021	NAVEEN KUMAR M	IV/VI
12	731619106035	SAKTHIVEL S	IV/VI
13	731619106016	MANIKANDAN P	IV/VI
<b>Team 6: HOME AUTOMATION USING REMOTE</b>			
14	731619106012	KIRUPANITHI M	IV/VI
15	731619106023	PAVITHRA S	IV/VI
16	731619106015	LOGESH BARANI S	IV/VI
17	731619106025	PRASANTH V	IV/VI
<b>Team 7: AUTOMATIC LIGHT INTENSITY CONTROLLER</b>			
18	731619106014	KOUSHIK V	IV/VI
19	731619106010	KARTHICK S	IV/VI
20	731619106044	VIGNESH P	IV/VI
21	731619106031	RAVIRAAGUL V	IV/VI

### Team wise Name list for Debate

S.No.	Reg. No.	Name of the Student	Year/Sem
<b>Team 1 Topic: Teachers verses scientist</b>			
1	731620106040	SIVARAYAKRISHNAN R	III/V
2	731620106015	HARSHINI K	III/V
3	731620106025	NARENDHIRAN R	III/V
4	731620106036	RANJANI T	III/V
5	731620106022	KUMUTHALAKSHMI T	III/V



<b>Team 2</b>			
<b>6</b>	731620106048	YAMINI H J	III/V
<b>7</b>	731620106049	YUVARAJ L	III/V
<b>8</b>	731620106034	PREM R	III/V
<b>9</b>	21IETEC021	KAVIPRIYA S	II/III
<b>10</b>	21IETEC016	HARI ARULKUMAR	II/III
<b>Team 3 Topic: Online Games verses offline Games</b>			
<b>11</b>	731619106026	PRATHIBA S	IV/VI
<b>12</b>	731619106038	SELVA BRINDHA K	IV/VI
<b>13</b>	731066201044	SURYAPRASATH M	III/V
<b>14</b>	21IETEC007	DHANUSH KUMAR K	II/III
<b>15</b>	731620106016	HEMANATHAN N	III/V
<b>16</b>	21IETEC053	SRINITHI R	II/III
<b>Team 4</b>			
<b>17</b>	21IETEC044	SANTHOSE S	II/III
<b>18</b>	21IETEC054	SUDHARSAN S	II/III
<b>19</b>	21IETEC029	MANOJ KUMAR S	II/III
<b>20</b>	731619106002	ANSHIO RENIN M S	IV/VI
<b>21</b>	731620106032	PRAVEEN T	III/V
<b>22</b>	731620106028	PERUMAL S	III/V
<b>Team 2 WINNER Topic: Teachers</b>			
<b>1</b>	731620106048	YAMINI H J	III/V
<b>2</b>	731620106049	YUVARAJ L	III/V
<b>3</b>	731620106034	PREM R	III/V
<b>4</b>	21IETEC021	KAVIPRIYA S	II/III
<b>5</b>	21IETEC016	HARI ARULKUMAR	II/III
<b>Team 4 WINNER Topic: Offline Games</b>			
<b>1</b>	21IETEC044	SANTHOSE S	II/III
<b>2</b>	21IETEC054	SUDHARSAN S	II/III
<b>3</b>	21IETEC029	MANOJ KUMAR S	II/III
<b>4</b>	731619106002	ANSHIO RENIN M S	IV/VI
<b>5</b>	731620106032	PRAVEEN T	III/V
<b>6</b>	731620106028	PERUMAL S	III/V

### Team wise Name list for Brain Storming

	<b>S.No.</b>	<b>Reg. No.</b>	<b>Name of the Student</b>	<b>Year/Sem</b>
<b>Team 1</b>	<b>1</b>	731621106022	KAVYA R	II/ECE
	<b>2</b>	731621106034	POOJA S	II/ECE
<b>Team 2</b>	<b>3</b>	731621106045	SASIREKHA S	II/ECE
	<b>4</b>	731621106046	SHARMILA DEVI M	II/ECE
<b>Team 3</b>	<b>5</b>	731621106002	AKSHAYA P R	II/ECE
	<b>6</b>	731621106026	KIRUTHIKA S	II/ECE
<b>Team 4</b>	<b>7</b>	731621106021	KAVIPRIYA S	II/ECE
	<b>8</b>	731621106043	SANTHOSE S	II/ECE
<b>Team 5</b>	<b>9</b>	731621106052	SRINITHI R	II/ECE
	<b>10</b>	731621106050	SOUNDHARYA C	II/ECE
<b>Team 6</b>	<b>11</b>	Lateral entry	MONISHA K	II/ECE
	<b>12</b>	731621106057	TANUSREE S R	II/ECE
<b>Team 7</b>	<b>13</b>	731621106039	RITHIKA T	II/ECE
	<b>14</b>	731621106012	GEETHAMBARI M	II/ECE

<b>Team 8</b>	<b>15</b>	731621106051	SOWMIYA S	II/ECE
	<b>16</b>	731621106025	KIRUTHIKA B	II/ECE
<b>Team 9</b>	<b>17</b>	Lateral entry	KAVIN S	II/ECE
	<b>18</b>	Lateral entry	VASANTH M	II/ECE
<b>Team 10</b>	<b>19</b>	731621106001	ABDUR RAHMAN S	II/ECE
	<b>20</b>	731621106009	DHARMASASTHA P	II/ECE
<b>Team 11</b>	<b>21</b>	731621106030	MANOJ KUMAR S	II/ECE
	<b>22</b>	731621106044	SANTHOSH M	II/ECE
<b>Team 12</b>	<b>23</b>	731621106008	DHANUSH KUMAR K	II/ECE
	<b>24</b>	731621106011	ESWARAN S	II/ECE
<b>Team 13</b>	<b>25</b>	731621106023	KEERTHIVASAN V	II/ECE
	<b>26</b>	731621106024	KIRANRAJ M	II/ECE
<b>Team 14</b>	<b>27</b>	731621106019	JAYARAJA T V	II/ECE
	<b>28</b>	731621106053	SUDHARSAN S	II/ECE
<b>Team 15</b>	<b>29</b>	731621106058	VIJAY M	II/ECE
	<b>30</b>	731621106060	YASOD N M	II/ECE

### Winner Team name list for Brain Storming

S.No.	Reg. No.	Name of the Student	Year/Sem
Team 1 1	731621106005	ATHIEF S	II/ECE
2	Lateral entry	RAGAVENDRA A A	II/ECE
Team 2 3	731621106010	ELAMATHI B	II/ECE
4	731621106037	RAGAVI H	II/ECE
Team 3 5	731621106028	LOGESHWARAN R	II/ECE
6	731621106042	SANJAY P	II/ECE

Academic Year: 2022 – 2023(EVEN)

### Association of Electronics and Communication Engineering

Department of Electronics and communication Engineering &"AURA"-Association of ECE organized Technical event -“PICK AND TALK” on 15.02.2022 .The Resource person Dr.k.Tamizharasu, Professor and Head of Research and Development, , Department of Computer science and Engineering KSR Institute for Engineering and technology. Tiruchengode

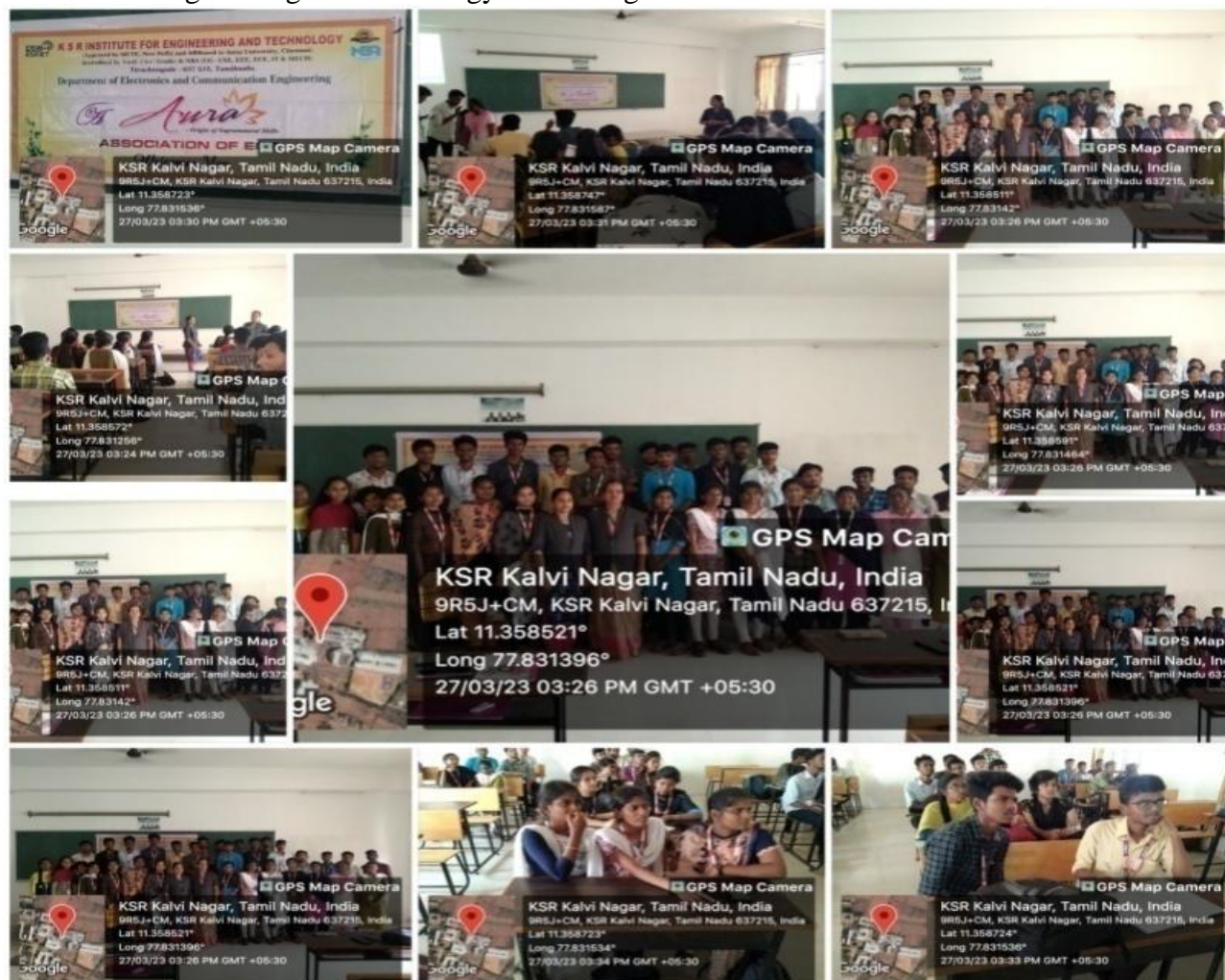




Department of Electronics and communication Engineering & "AURA"-Association of ECE  
Organized Fun event- "PITCH PERFECT" on 17.02.2022 .The Resource person Dr.J.C  
Kannan Professor & Director- student's affairs, Department of Physics, KSR Institute for  
Engineering and technology. Tiruchengode



Department of Electronics and communication Engineering & "AURA"-Association of ECE  
Organized Fun event-ROBO RACE on 27.03.2023 The Resource person Dr.S.Jayachitra  
associate professor, Department of Electronics and communication and Engineering, KSR  
Institute for Engineering and technology. Tiruchengode



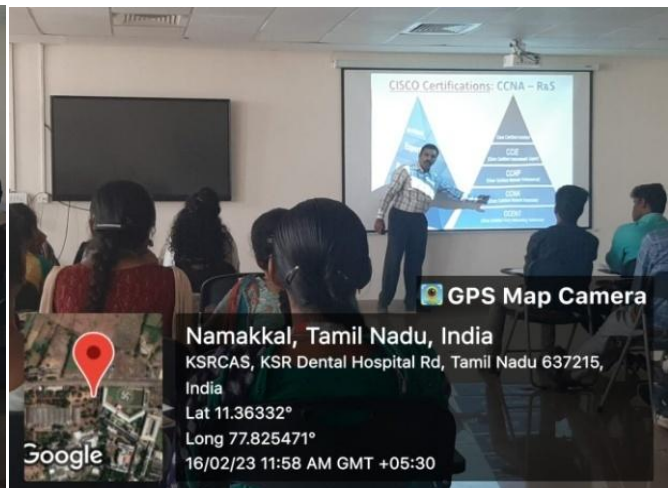
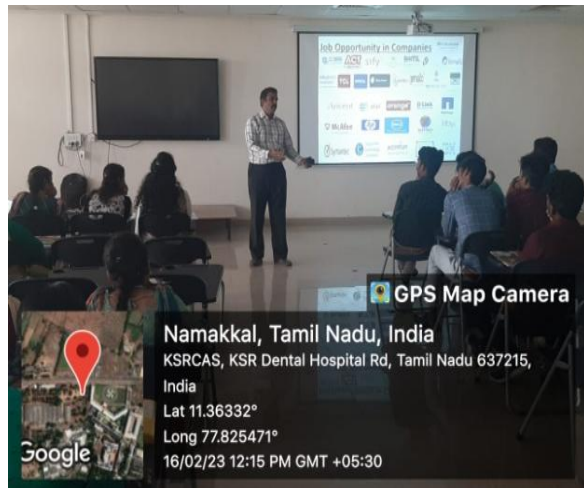


Department of Electronics and communication Engineering & "AURA"-Association of ECE Organized seminar on **"HOW TO PLAN FOR STARTUP AND LEGAL & ETHICAL STEPS"** on **22.02.2023**. The Resource person Dr.E.BHASKARAN Joint Director (Engineering), Department of Industries and Commerce, Government of Tamil Nadu.



Department of Electronics and communication Engineering & "AURA"-Association of ECE Organized seminar on **"Career opportunities in Networking & Security"** on 16.02.2023. The Resource person **Mr.P.K.Amarnath, M.E.,(Ph.D)** Operations Head and Consultant AVATAR ACADEMY (Networking & Security)-Erode.

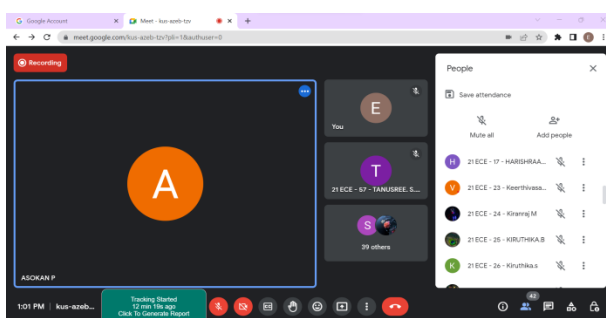




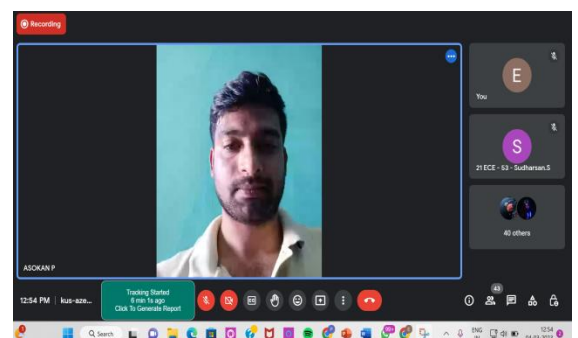
Department of Electronics and communication Engineering & "AURA"-Association of ECE Organized seminar on “**NETWORKING WITH CISCO ROUTERS**” on **31.03.2023**. The Resource person **Mr.P.K.Amarnath, M.E.,(Ph.D)** Operations Head and Consultant AVATAR ACADEMY (Networking & Security)-Erode



Department of Electronics and communication Engineering & "AURA"-Association of ECE Organized Seminar on “Career Path Identification and Experience Sharing on 04.03.2023 .The Resource person one of our alumni student **Mr.Alexraj Asokan, Software Engineer , Hexaware Technologies , 2015-2019-batch**.



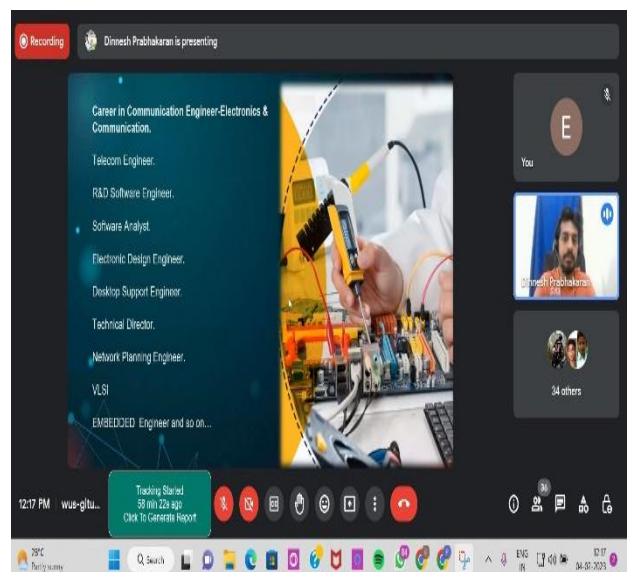
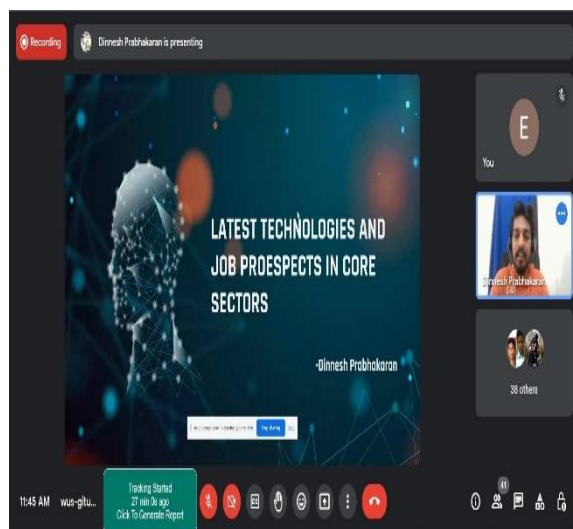
Department of Electronics and Communication Engineering



Department of Electronics and communication Engineering &"AURA"-Association of ECE Organized Seminar on “**Design of Arithmetic building blocks and Subsystems** on **18.03.2023**.The Resource person one of our alumni student **Mr.C.Madhangopal**, ASIC Verification Engineer, SmartDv Technologies,Bangalore.(2017-2021) **Batch**.



Department of Electronics and communication Engineering &"AURA"-Association of ECE Organized Seminar on “Latest Technologies and job prospects in core sectors on **04.02.2023**.The Resource person one of our alumni student **Mr.Dinnesh Prabhakaran** Associate Software Engineer Accenture Solution Private Limited(2017-2021) **Batch**.





## MOU (MEMORANDUM OF UNDERSTANDING)

Department of Electronics and communication Engineering signed an MOU “**MEMORANDUM OF UNDERSTANDING**” with AVATAR academy network security on 16.02.2023.

The Resource person Mr.P.K.Amaranth, Operation Head &Consultant AVATAR academy, Erode.





Department of Electronics and Communication Engineering Inaugurated **NEURA-Start for AI** collaborated with ABE Semiconductor Design-Innovating smart Future on 17.02.2023.  
The Resource person Mr.G.Suresh.Kumar Founder and CEO of Pepul &Co-Founder of MacAppStudio-chennai



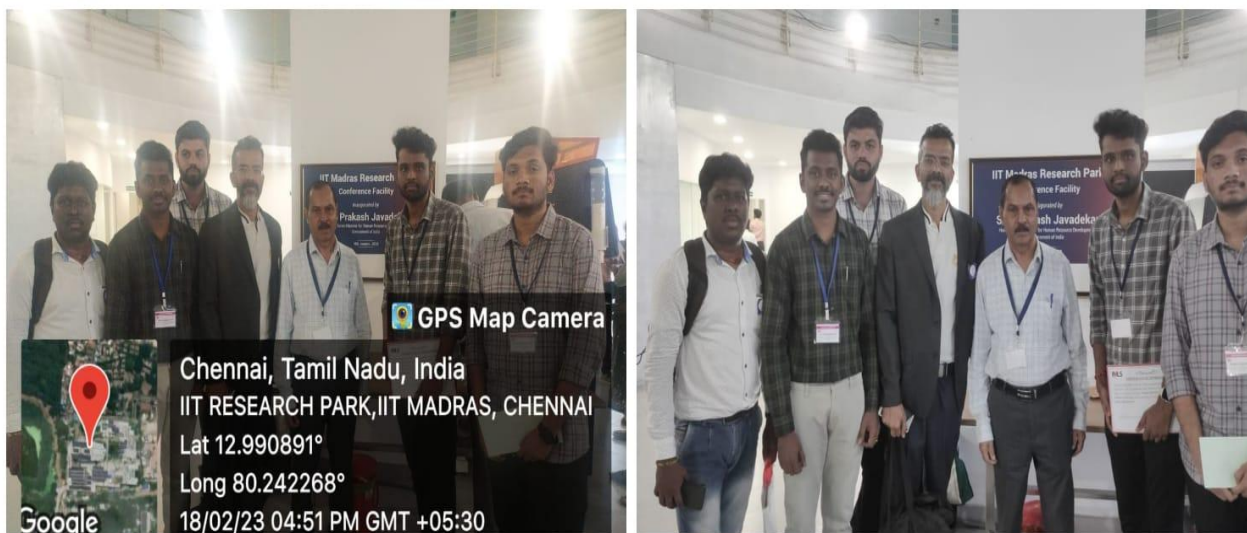
## STUDENTS ACHIEVEMENTS

Department of Electronics and communication Engineering Third year student Aravinth.K Won - **GOLD MEDAL** in SILAMBAM in NATIONAL SILAMBAM CHAMPION SHIP -2023 on 12.02.2023 at Madurai





Third year students (SivarayakrishnanR, Dharshan R) participated in MARKET CONCLAVE event conducted by Pals on 18.02.2023 at IIT Madras Research Park and won a cash award of Rupees Ten thousand





Department of Electronics and Communication Engineering Third year students (E.Kalaivani, S.Soundarya, K.Subashini). Undergone 5 days IN-PLANT training from (13.02.2023-17.02.2023) to Wearable Mems at Rasipuram,



## INSTITUTION OF ENGINEERS

Department of Electronics and communication Engineering & Institution of Engineers  
Organized Seminar on “**SLOW LEARNER TO SUCCEED**” on 13.02.2023 with the advance learners of II ECE.



## EDITORIAL BOARD

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