PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
Pachal, Namakkal – 637 018.

DEPARTMENT OF ECE

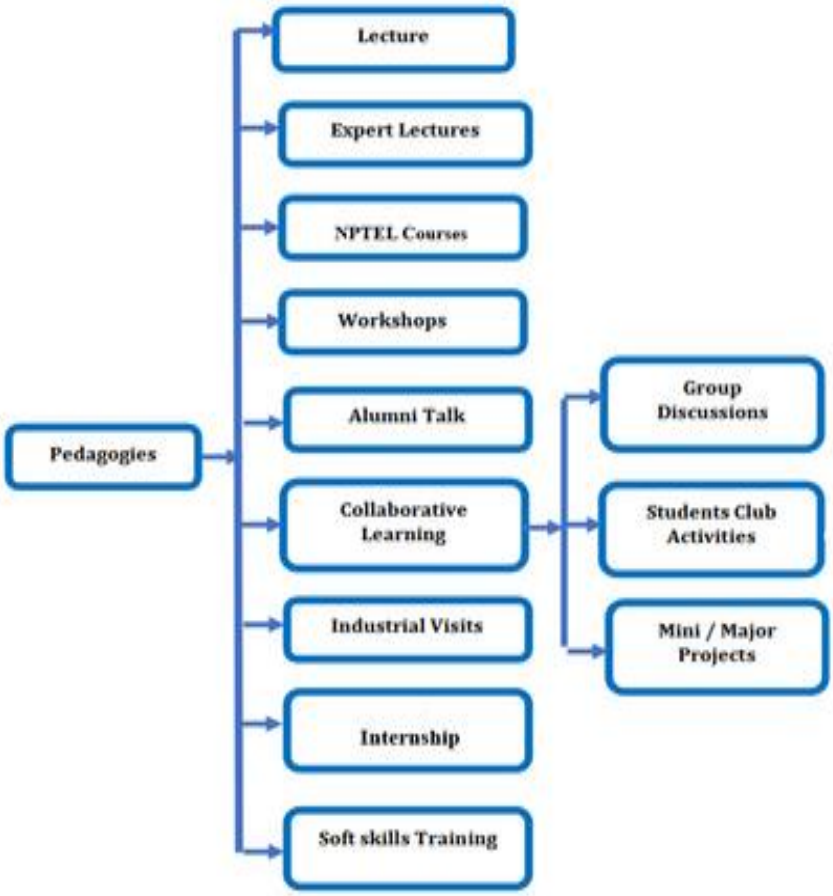
CRITERIA 2 -TEACHING LEARNING PROCESS

B. PEDAGOGICAL INITIATIVES

Instructional Methods

Pedagogical approaches are pivotal in delivering content, adapting to the diverse needs of learners. In Department of Electronics and Communication Engineering, the faculty members prioritize student-centered learning methods to foster an optimal learning environment. Dedicated time slots within lesson plans are allocated to delve beyond the syllabus for each subject. Course materials, including handouts, notes, and tests, are meticulously crafted to align with lesson plans and course objectives. These materials are uploaded onto the Paavai Moodle platform for accessibility. Faculty members employ a range of pedagogical techniques to enhance the teaching-learning process.

Maintaining student attendance registers is a mandatory responsibility for all faculty members. Additionally, subject handling faculty members have to prepares course files for each subject. To bridge the gap between academia and industry, the department organizes industrial visits, in-plant training, and hands-on workshops in every semester.



COURSE DELIVERY METHODS

Classroom teaching

Faculty members deliver their lectures through a set of educational technology/tools such as:

- Chalk and Talk – Green/Black Board teaching
- PowerPoint Presentation
- Discussion Activities
- Classroom Activities
- Demonstration Sessions
- E-Quiz
- Chat stations
- Outdoor learning

- Seminar
- Faculty Development Programs for faculty
- E Resources for effective teaching learning Processes
- Guest lecture
- Simulation based learning
- Industrial Visit
- In plant Training
- ICT supported learning
- Workshop
- Hands-on training

CHALK AND TALK –GREEN/BLACK BOARD TEACHING:

The **Chalk and Talk** method is one of the oldest and most widely used traditional teaching techniques, involving the use of a **green or blackboard** and **chalk** (or white chalk/colored chalks) to deliver instructional content. This approach relies heavily on verbal explanation and written demonstration to convey concepts effectively.

While modern technology has introduced advanced teaching tools, the **Chalk and Talk method** remains a foundational and effective approach to explain, especially for subjects requiring stepwise explanations and conceptual clarity. It is best used in combination with other methods for a well-rounded teaching strategy.

CHALK AND TALK – GREEN/BLACK BOARD

POWERPOINT (PPT) PRESENTATION METHOD

The **PowerPoint (PPT) Presentation method** is a **modern, technology-based approach** to teaching that uses multimedia slides to deliver content in a structured and visually engaging format. It enhances the learning experience by combining **text, images, diagrams, audio, and video** to support understanding.

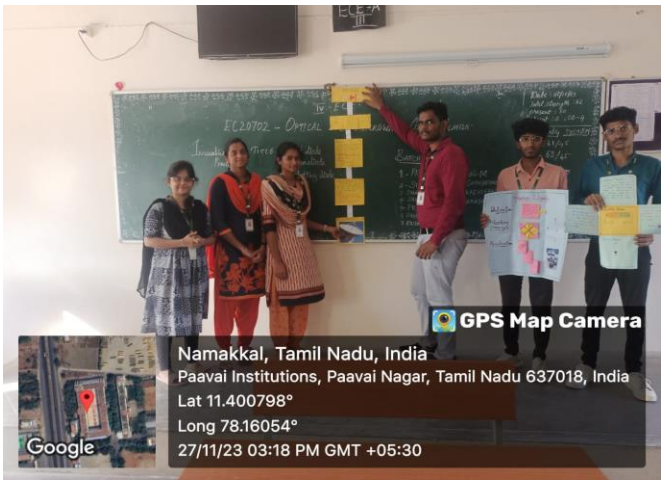
It is a powerful tool for educators when used appropriately. It helps in **visualizing complex topics**, improving content delivery, and keeping students completely engaged. When combined with traditional methods (like Chalk and Talk), it supports **blended learning** and caters to a wide range of learning styles.

PPT PRESENTATION

DISCUSSION ACTIVITIES

These are the vital part of active learning strategies. They involve structured or open-ended conversations among students or between students and teachers around a specific topic, concept, or problem. These activities play a crucial role in enhancing both teaching effectiveness and student learning outcomes. Discussion activities are not just add-ons; they are **essential tools** that transform passive learning into **dynamic, reflective, and meaningful learning**. They foster a deeper connection to the material, boost student confidence, and prepare learners for real-world communication and collaboration.

DISCUSSION ACTIVITIES



CLASSROOM ACTIVITIES

Classroom activities are planned instructional tasks and exercises that engage students actively in the learning process. These activities go beyond passive listening and involve learners in doing, thinking, discussing, and applying concepts. They are essential for making teaching **interactive**, **effective**, and **learner-centered**.

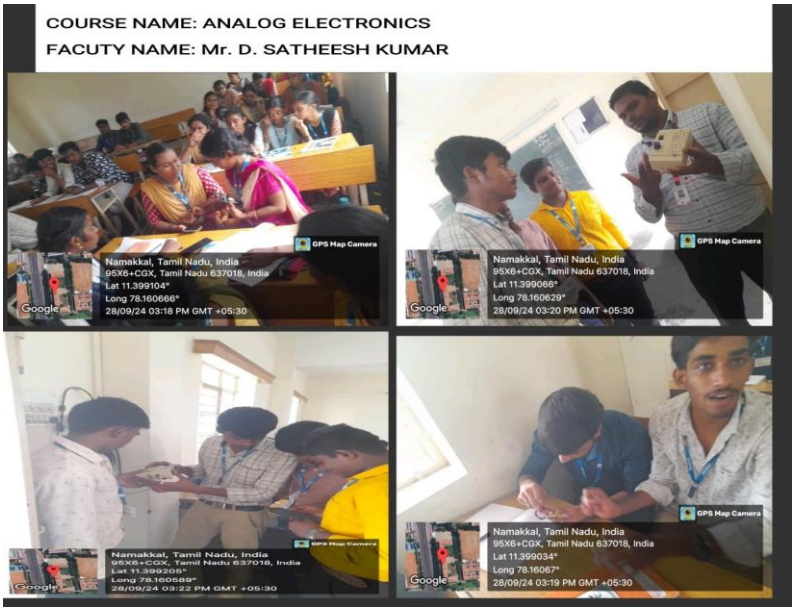
Classroom activities play a **crucial role in transforming passive classrooms into dynamic learning process**. They make learning more meaningful, enjoyable, and impactful by involving students directly in the process. When well-planned and aligned with learning objectives, they significantly enhance the quality of teaching and student achievement.

CLASSROOM ACTIVITIES

DEMONSTRATION SESSION

A **demonstration session** is a teaching method where the teacher or a student **shows how to perform a task or explain a concept through direct, practical presentation**. It is especially effective for teaching **skills, processes, and procedures** that are better understood visually or through step-by-step examples.

Demonstration sessions are a **powerful teaching tool**, particularly for skill-based, visual, or practical subjects. They provide **clarity, build confidence**, and help students learn by example. When followed by student practice, demonstrations lead to **effective skill acquisition and deeper understanding**.



E-QUIZ

An **E-QUIZ** is an online or computer-based quiz that allows educators to assess students' knowledge, understanding, and application of content. It typically includes multiple-choice questions, true/false, fill-in-the-blank, or short answer formats, and is delivered through a digital platform like Google Forms, Moodle, Kahoot!, Quizizz, or LMS (Learning Management Systems).

It is a powerful tool that enriches the teaching and learning process by offering dynamic, flexible, and effective ways to assess and enhance student learning. When integrated thoughtfully, it can lead to improved engagement, better learning outcomes, and more personalized education.

CHAT STATIONS

Chat Stations are physical or virtual stations set up around the classroom (or online), where students move in small groups and engage in structured conversations or activities. Each station poses a different prompt or task related to the subject matter. After a set time, groups rotate to the next station.

Chat Stations are an effective instructional strategy that transforms the classroom into a dynamic, discussion-rich environment. They help develop higher-order thinking, communication skills, and a deeper understanding of content, making them a valuable tool in modern teaching and learning.

OUTDOOR LEARNING

Outdoor Learning involves structured educational activities conducted in outdoor settings such as school gardens, parks, forests, farms, or urban spaces. It is not just about play or recreation it is intentionally linked to the curriculum and designed to achieve learning objectives in a more engaging and practical way.

Outdoor Learning transforms education into a more dynamic, memorable, and student-centered experience. It nurtures curiosity, practical skills, and a love of learning while addressing key curriculum goals. When used effectively, it can greatly enrich the teaching and learning process across all subjects and age groups.

SEMINAR

A **seminar** is a teaching method that involves presentations, discussions, and active participation around a central theme or subject. Students may be assigned to present topics, read materials in advance, or participate in debates. The teacher acts as a facilitator rather than a sole knowledge provider.

Seminar is a powerful teaching and learning tool that encourages dialogue, critical engagement, and academic rigor. It transforms students from passive listeners into active participants, making learning more meaningful and collaborative. When used effectively, seminars prepare students for academic inquiry, professional communication, and lifelong learning.

INSTRUCTIONAL METHODS & PEDAGOGICAL INTIATIVES

LINKS FOR ONLINE VIDEOS

S. No.	Name of the Faculty Member	Topics Discussed	Link
1.	Dr.R.Mohana Priya, HoD, ECE	• IIC Mentor Mentee • Signals and Systems - Operation on signals • Laplace Transform • LTI System Response for different inputs.	**https://www.youtube.com/watch?v=k36TK6hGHgs**
2	Mr. S. Vijay Murugan, AsP/ ECE	• English Vocabulary • Verilog HDL • Embedded System • Competitive Exam GATE, DRDO, BHEL • Digital Electronics • Basics • Quiz • Anna University MCQ- ECE • Maths Tricks • VLSI Design • 8051 Microcontroller • 8086 Microprocessor • ECE Competitive Exams-GATE • 8085 Microprocessor • Quantitative Aptitude	https://www.youtube.com/@learnthought3871/playlists Total Videos uploaded : 542

3	Dr. A. Parimala Gandhi, AsP/ECE	Laboratory - Digital Signal Processor Kit • Procedure for execution of a C program with TMS320C6713 DSP Processor starter kit • Procedure for execution of a C program for waveform generation Signals and Systems • Basic signals- Continuous Time • Basic Signals- Discrete Time Signals • Different operations on signals • Different operations on Signals – Continuation • Fourier Transform (Continuous Time) of some standard functions • Inverse Z transform with ROC specifications • Inverse Z transform using Long division or Power Series method • Inverse Z transform using Long division or Power Series method (Part 2) Control Systems • Block diagram reduction technique	https://www.youtube.com/watch?v=3vCXXD--5vo https://www.youtube.com/watch?v=fVOiPh1JCKw https://www.youtube.com/watch?v=Nlofmp8OekA https://www.youtube.com/watch?v=Hq21-fIFvew https://www.youtube.com/watch?v=eGhC-AFVQrw https://www.youtube.com/watch?v=VfrP1evvzFA https://www.youtube.com/watch?v=Sn05YuP9rOU https://www.youtube.com/watch?v=P60M46wCor4 https://www.youtube.com/watch?v=YOQ2ta6DIXQ https://www.youtube.com/watch?v=9oODE4h88ts https://www.youtube.com/watch?v=I3Ua99OMlFg

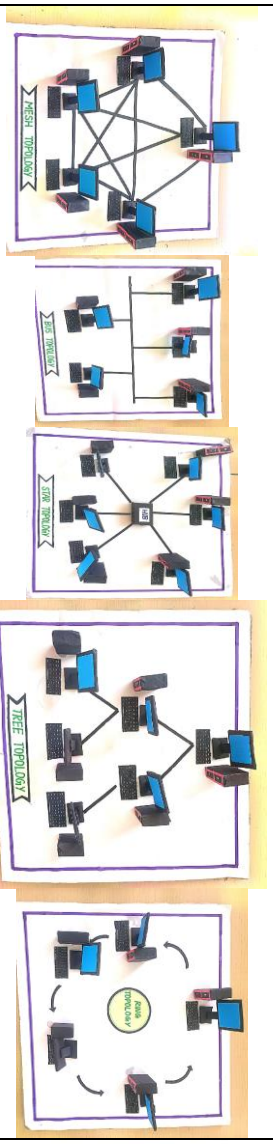
4	Mr. C. Prabhu, Lab Instructor/ ECE	• Polytechnic ECE, EEE Practicals in Tamil • Bread Board • Electronic Projects • Communication Projects • Electronic Lab Experiments • Electronics Devices and Circuits Practicals • Electric Circuits and Instrumentation • Power Electronics • Industrial Electronics • Communication Engineering • Embedded Projects • Keil Software Programs • PIC Microcontroller • VLSI Design • Practical • Microcontroller • Optical Communication • Basic Electronics • Electronic Practicals • Television Engineering	https://www.youtube.com/@tamilpolytech/playlists Total Videos uploaded : 147

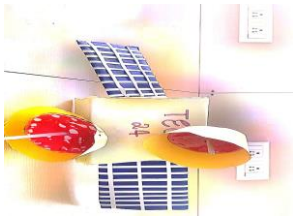
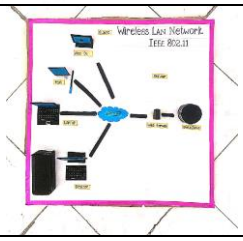
List of Youtube Channels run by the Faculty Team

S.No.	Name of the Teaching Staff	Youtube Channel Name
1.	Dr.R.Mohanapriya, HoD, ECE	Whet Tech
2.	Dr. A. Parimala Gandhi, Associate Professor/ ECE	Parimala Gandhi
3.	Mr. S. Vijay Murugan. Associate Professor/ ECE	Learn Thought
4.	Mr. C. Prabhu, Lab Instructor/ ECE	Tamil Polytech

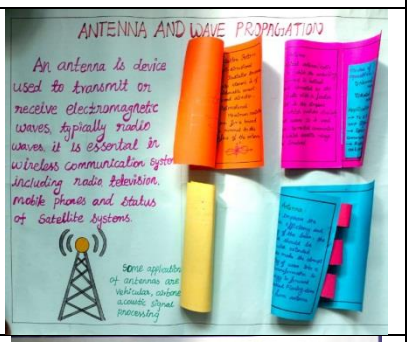
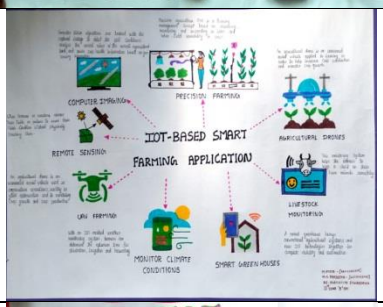
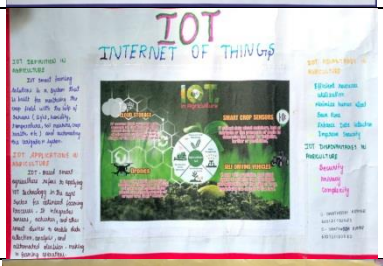
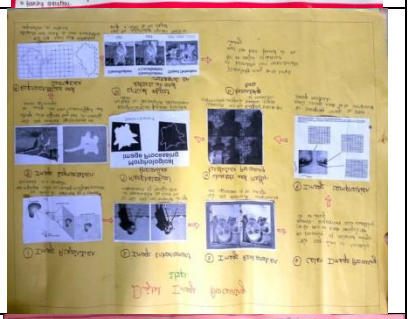
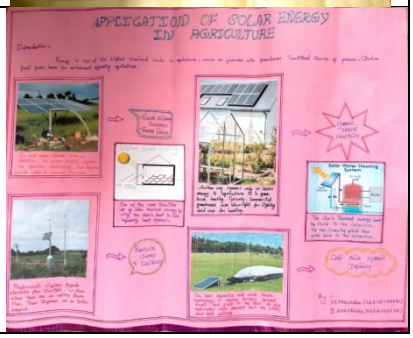
MODEL BASED LEARNING

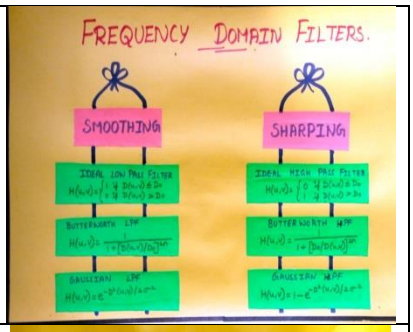
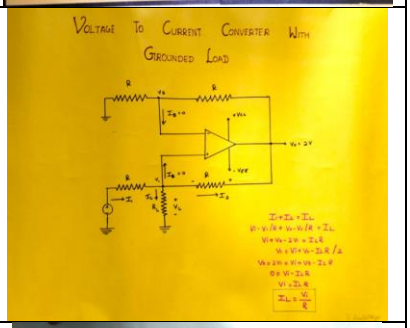
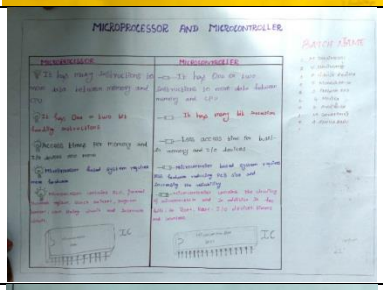
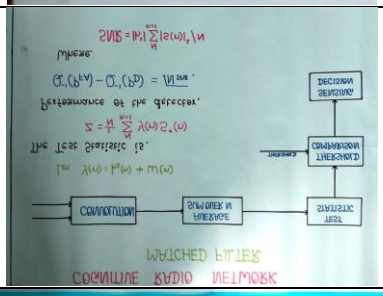
LIST OF SUBJECT BASED MODELS

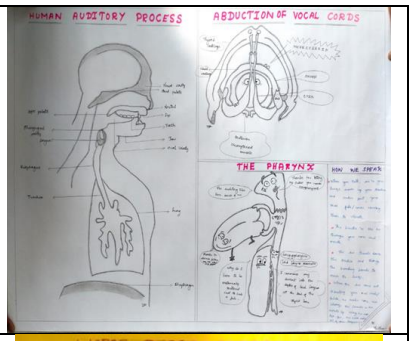
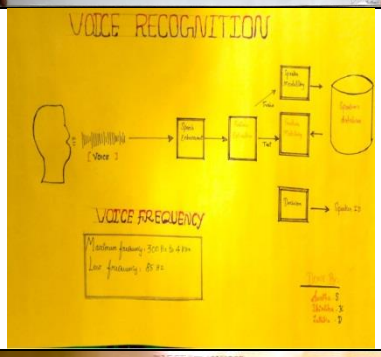
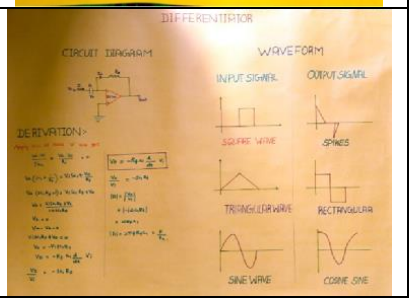
S.No.	Name of the Course	Model Name	Name of the Faculty Member	Photo Proof
1	Computer Networks	Network Topologies	Ms. A. Sujitha	
2	Optical Communication	Fiber Optic Cable	Dr. S. Vijaya Kumar	

3	Satellite Communication	PSLV Rocket Model	Mr. S. Loganathan	
4	Satellite Communication	Satellite	Dr. T. Loganayagi	
5	Mobile Communication	All generation mobile phones	Dr.R.Pushpavalli	
6	Electromagnetic Waves	3 Coordinate system Differential volume	Dr. T. Loganayaki	
7	Computer Networks	LAN model	Dr. R. Mohana Priya	

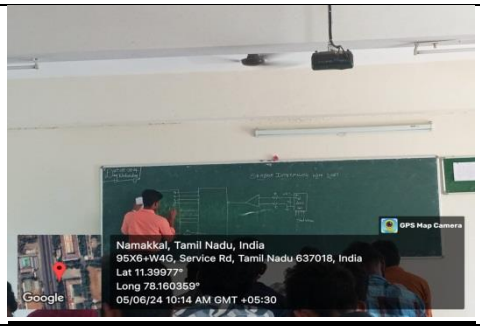
Collaborative Pedagogy Initiatives - List of Charts prepared

S.No.	Name of the Subject	Chart Content and Photo	Name of the Faculty In-Charge	Photo Proof
1.	Antenna and wave Propagation	Types of Antenna	Ms. A. Samundeeswari	
2.	Applications of IOT in Agricultural Engineering	Automatic Irrigation system with IoT	Mr. S. Satheesh kumar	
3.	Internet of Things	Internet of Things	Mr. S. Satheesh kumar	
4.	Digital Image Processing	Digital Image Processing Steps	Mr.D. Satheesh kumar	
5.	Environmental Science and Engineering	Renewable Energy Sources	Ms. N. Ganga Rani	

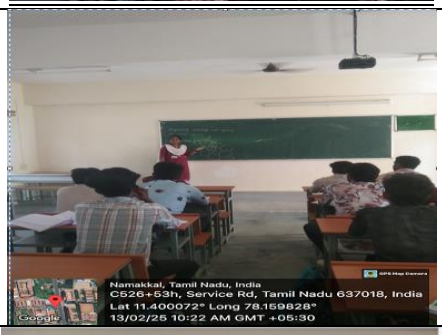
6.	Digital Image Processing	Frequency domain Filters	Mr. S. Satheesh kumar	
7.	Linear Integrated Circuits	Voltage to Current Converters	Ms. Usha	
8.	Microprocessor and Microcontroller	Difference between Microprocessor and Microcontroller	Ms. Ganga Devi	
9.	Wireless Communication	Cognitive Radio Network	Dr. M. Shantha Kumar	
10.	Digital Image Processing	Applications of Digital Image Processing	Mr. S. Satheesh kumar	

11.	Medical Electronics	Human Auditory Process	Mr. S. Vijaya Kumar	
12.	Digital Signal Processing	Voice Recognition	Mr. Logarasu	
13.	Analog Integrated Circuits	Differentiator	Mr. S. Vijaya Kumar	

Collaborative Pedagogy Initiatives - Group/Individual Presentations

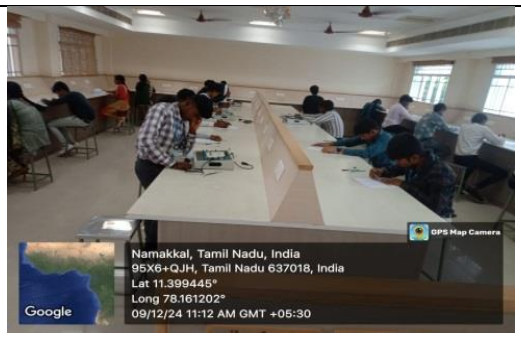
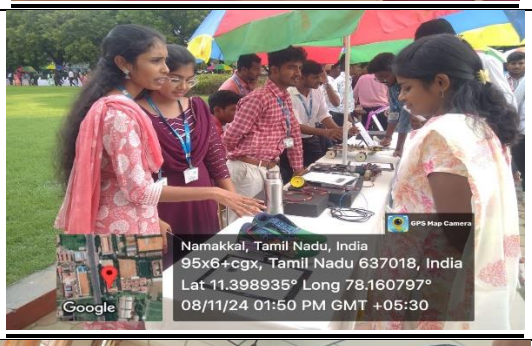
S. No.	Topics	Student Name and Class	Photo Proof
1.	Sensor Interfacing with 8051	Ravi Varma. R, III ECE 'B'	

2.	Optical and Microwave Engineering -Microwave Applications	S.Adhila Banu R.Anand Akash Krishna & Team	
3.	Wireless Sensor Networks Architecture and functional blocks	V.Shanmathi SathyaPrakash & Team	
4.	Medical Electronics – AI applications in medical electronics	Kathir. T Kavin S	
5.	Digital Signal processing	Aasha. P Abinaya. C	
6.	Frequency Shift Keying	Anu Sri. K	

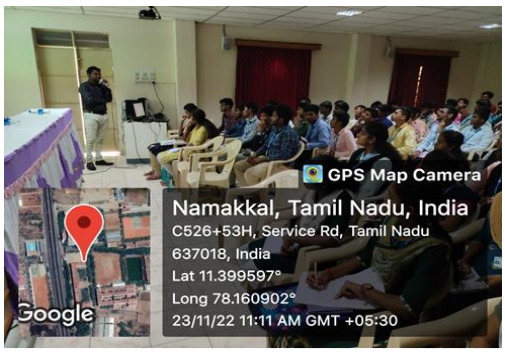
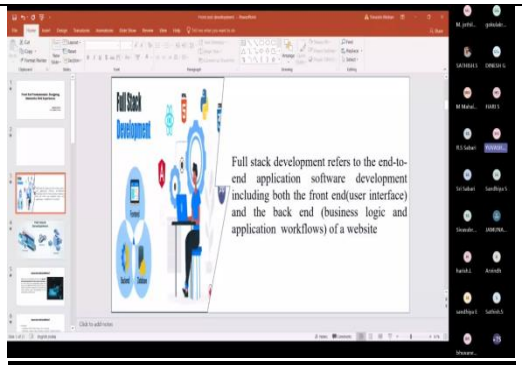
7.	Computer Communication Networks - Network Topologies	S.Madhan	
8.	Wireless Networks - TDMA,FDMA, CDMA	Parameshwari. S	
9.	Electromagnetic Fields and Waves	Bharath. R Dhanush. M	

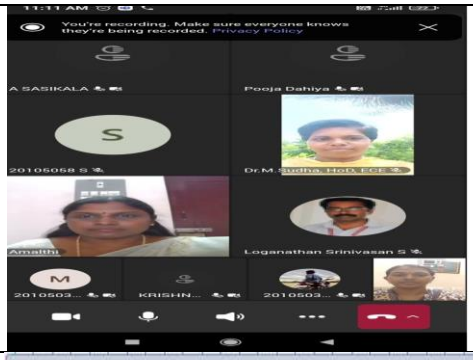
PROJECT BASED LEARNING

S. No.	Discussion Topic	Year and Class	Photo Proof
1	Photo voltaic Light sensor based project	II ECE ‘A’	
2	Line follower Robot	III ECE ‘C’	

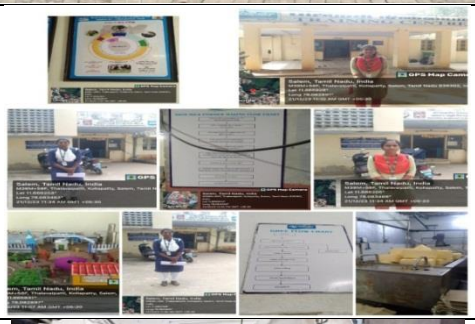
3	Showcasing the idea into projects	IV ECE ‘B’	
4	Showcasing their software ideas	IV ECE ‘A’	
5	Project Expos - Smart Shoe	III ECE ‘B’	
6	Alcohol Detection System	II ECE ‘C’	
7	Smart Hand Gloves	IV ECE B	

SEMINAR GIVEN BY EXPERTS

S. No.	Seminar Topic	Expert Member Name and Details	Photo Proof
1.	Cyber Security for Automotive Embedded Systems	K.Narenbabu, Senior Tech Lead, Bosch Global Software Technologies, Coimbatore	
2.	Front End Fundamentals: Designing Interactive Web Experiences	Ms.M.Yuvashri M.E., Yarnscom India Pvt Ltd, Coimbatore	
3	Advancements in Semiconductor Fabrication Process	Mr.Sudhakar, Senior Manager, Semiconductor Test Engineering, Tessolve Services Pvt Ltd., Bangalore	
4	Technova ‘24	Dr.T.Loganayagi, Professor, Paavai Engineering College	

5	My Story - Motivational Session by an Entrepreneur	Mr.R.Shivram, Proprietor, Sri Tubular Bags, Rasipuram, Tamil Nadu	
6	The Journey of Entrepreneurship – Organic Products, Milir	Mrs.M.P.Amalthi, IIC Innovation Ambassador, Assistant Professor, Department of Chemistry, Chevalier T Thomas Elizabeth College for Women	
7	E- Vehicle for Electronics	Mr. G.Karthikeyan, AP/EEE, Anjali Ammal-Mahalingam Engineering College, Thiruvarur	
8	Digital Design process and Technology	Mr.M.Theiventhiran, Digital Design Engineer, Synopsys Private India Limited, Bangalore	

OUTDOOR LEARNING IN INDUSTRIES

S. No.	Concept of Learning	Year and Class	Industry Visited	Photo Proof
1	Electrical wires and High, Medium and Low voltage Cables	II ECE	KEL Industries, Salem	
2	Dairy based by-products and Machineries	III ECE A & B	Aavin, Salem	
3	Dairy based by-products and Machineries	III ECE A & B	Aavin, Salem	
4	Design and Development of Launch Vehicle Technology	\ III ECE A & B	VSSO,ISRO, Trivandrum	

5	Design and Development of Launch Vehicle Technology	III ECE A & B	VSSO,ISRO, Trivandrum	
6	A *public sector Automobile Manufacturing Company*	III ECE A & B	Kerala automobiles	

The faculty members are encouraged to attend seminars, FDPs to update their knowledge in technical and pedagogical methods.

FDP organized to enhance the teaching performance:

ABOUT THE INSTITUTION

PAAVAI ENGINEERING COLLEGE was started in the year 2001 and promoted by PAVAI VARAM EDUCATIONAL TRUST with the basic principle of providing purposeful, goal oriented technical education and establishing a center of excellence in Engineering & Technology. The college is approved by AICTE, Accredited by NAAC with 'A' Grade & Affiliated to Anna University, Chennai. The college has 17 UG Programmed and 7 PG programmes, It also has the vision to strive to be a globally model institution all set for taking lead-role' in grooming the younger generation socially responsible and professionally competent to face the challenges ahead. It has obtained research grants from AICTE, TNSCST and other funding agencies. The college attracts outstanding students by virtue of its discipline, modern infrastructure, Library and faculty.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 2001, offering B.E-ECE and M.E-Communication systems (2013). The UG programme is thrice accredited by NBA, New Delhi and permanently affiliated to Anna University, Chennai. The department promotes R & D activities in related areas in collaboration with the industries. The department is enriched with state-of-the-art lab equipments in Circuits lab, R&D lab, VLSI lab, Communication systems lab, Embedded and IoT lab, Networks lab. The faculty members are well experienced and dedicated towards the upliftment of the student community. The students are exposed to the practical and industrial aspects of the subjects through laboratory works, Industrial visits and Internship trainings.

OBJECTIVES OF THE FDP

This Faculty Development Programme aims to create an engaging and effective learning experience among the faculty. It targets to improve the learning outcomes for the students wellbeing, closing the achievement gap and to refine teacher's learning and their work satisfaction.

COURSE CONTENTS

- Role of ICT in education.
- Educational Psychology & Life long Learning.
- Neural Linguistic Programming .
- Integration of ICT for training and professional Development.
- Pedagogical Knowledge Practices.
- STEM- An Indisciplinary approach in Education.
- Approaches for ICT based teaching.
- ICT in Language learning.

INSTRUCTIONS

- Online mode
- The interested faculty are asked to fill the google registration form.
- Join in the WhatsApp group for further communication till the end of FDP.

No Registration fee
E-certificate will be provided

LINKS

Registration Link : https://forms.gle/V4wzoAYNP6SiZCFX7
Meeting Link: https ://bit.ly/3WCo1xt

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)

SIX DAYS FACULTY DEVELOPMENT PROGRAMME

in association with

Institution of Electronics and Telecommunication Engineers (IETE)

On

"Innovation in Mentoring Pedagogy and incorporation of ICT techniques in Education "

30.01.2023 to 04.02.2023

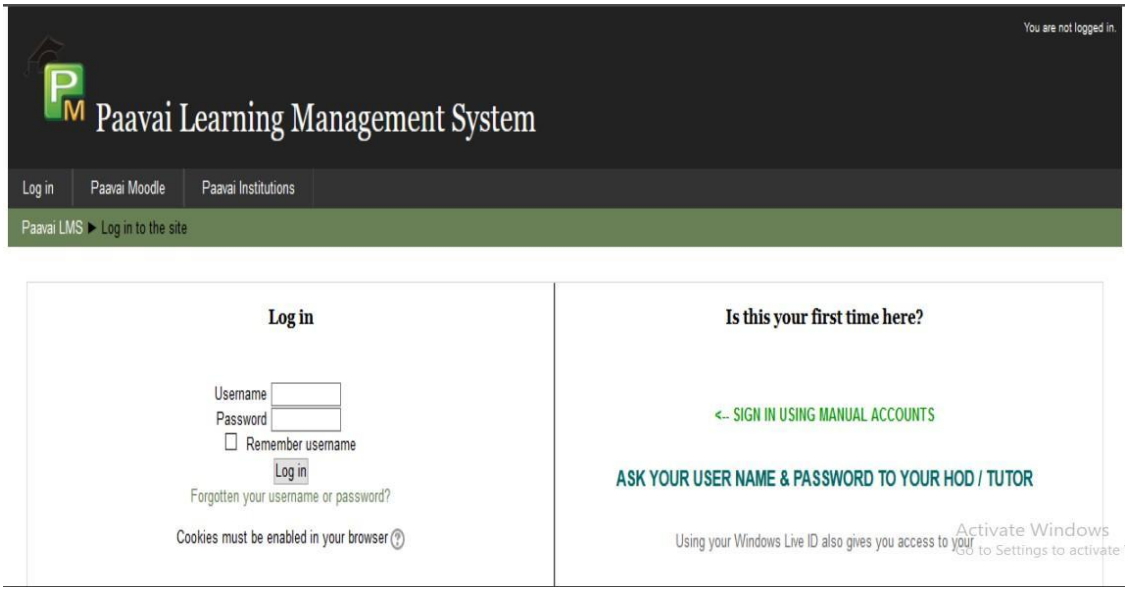
organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

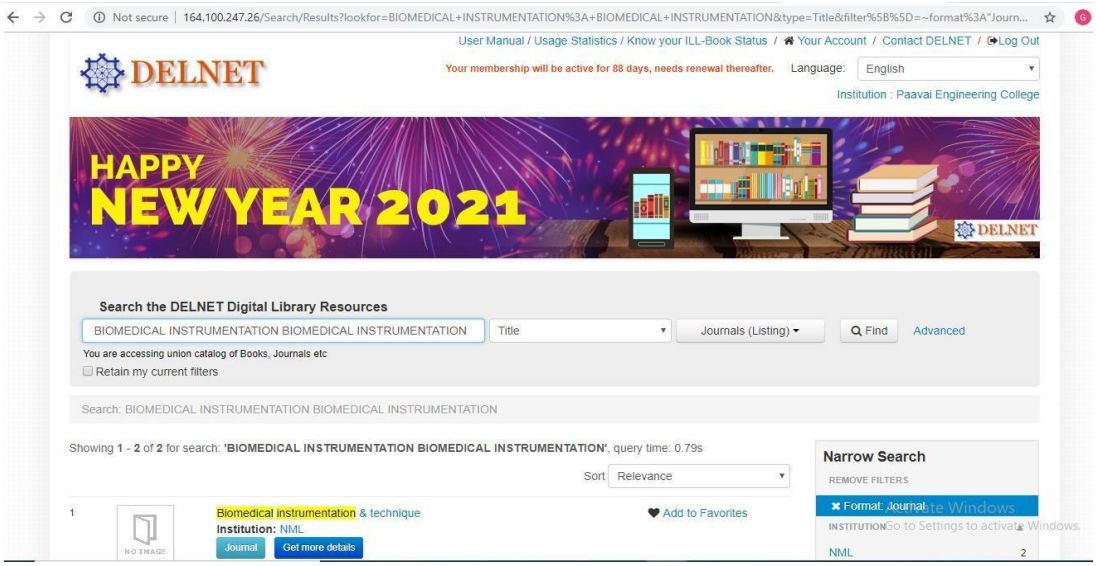
E- Resources for Effective Teaching and Learning Process

Paavai Learning Management System (Moodle)

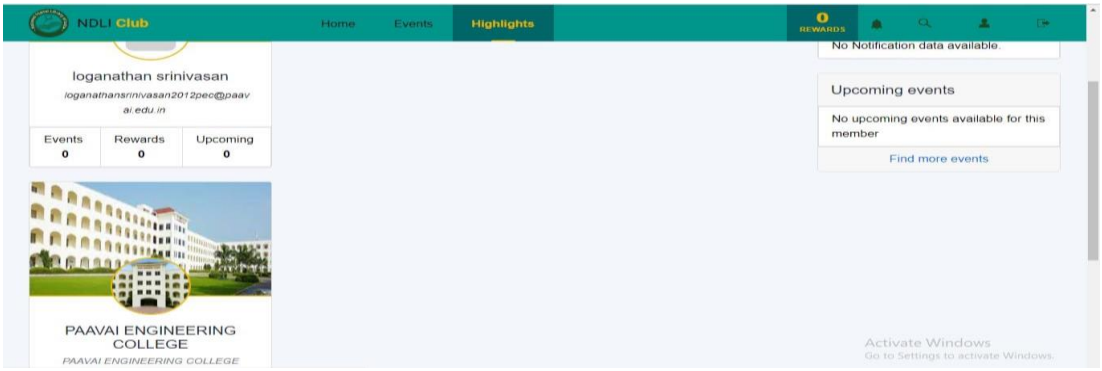
https://moodle.paavai.edu.in/login/index.php



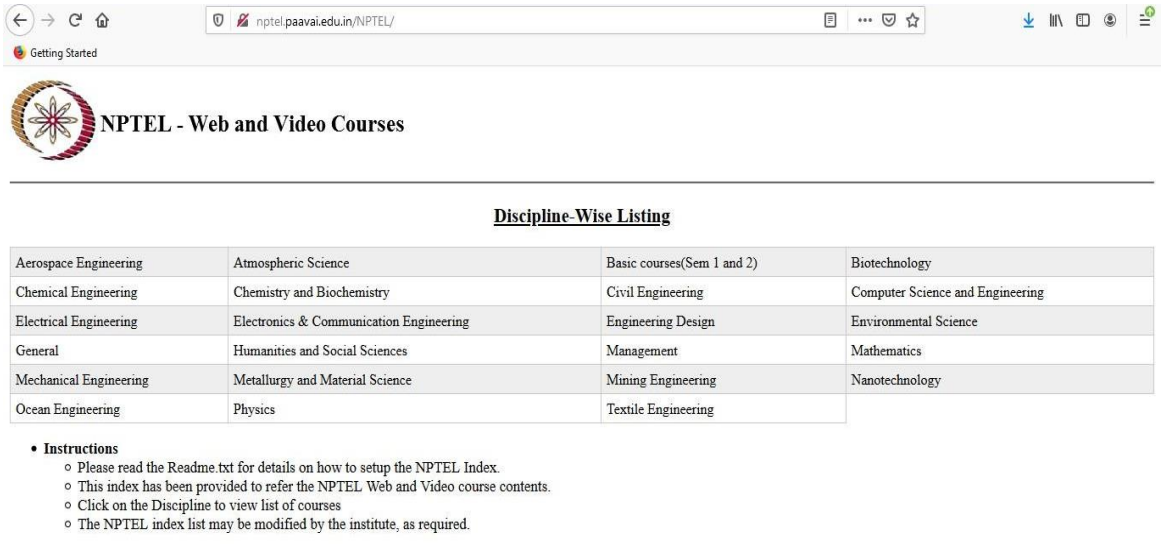
DELNET - http://164.100.247.26/



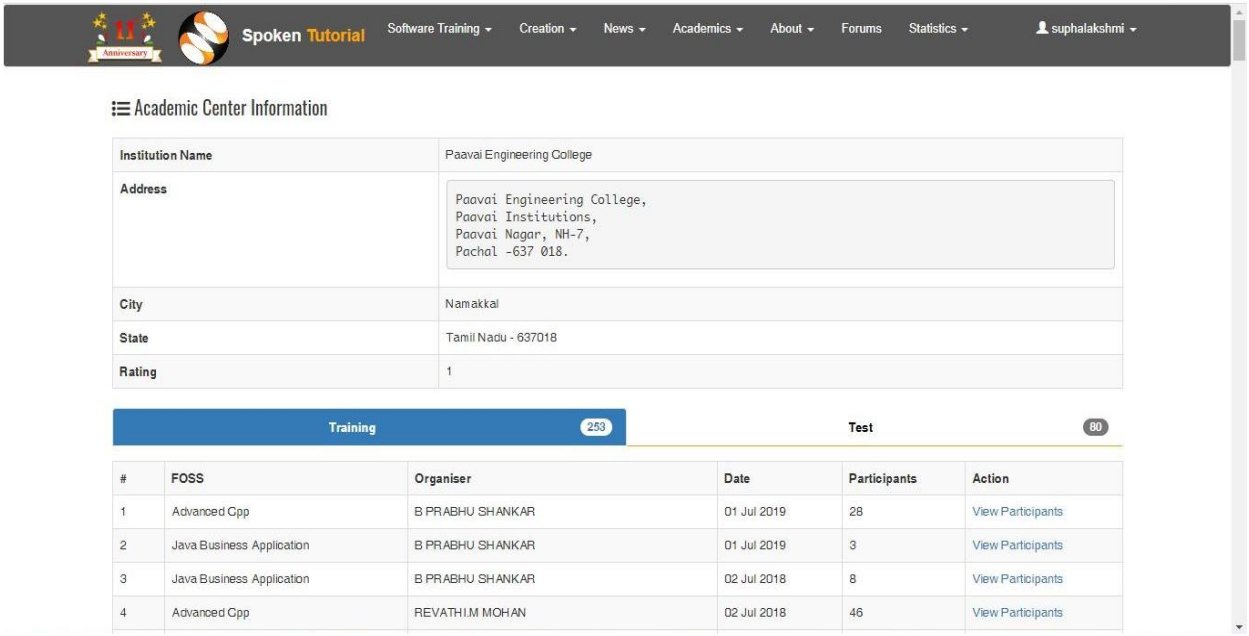
National Digital Library of India https://ndl.iitkgp.ac.in/



NPTEL Digital Library http://nptel.paavai.edu.in/NPTEL/

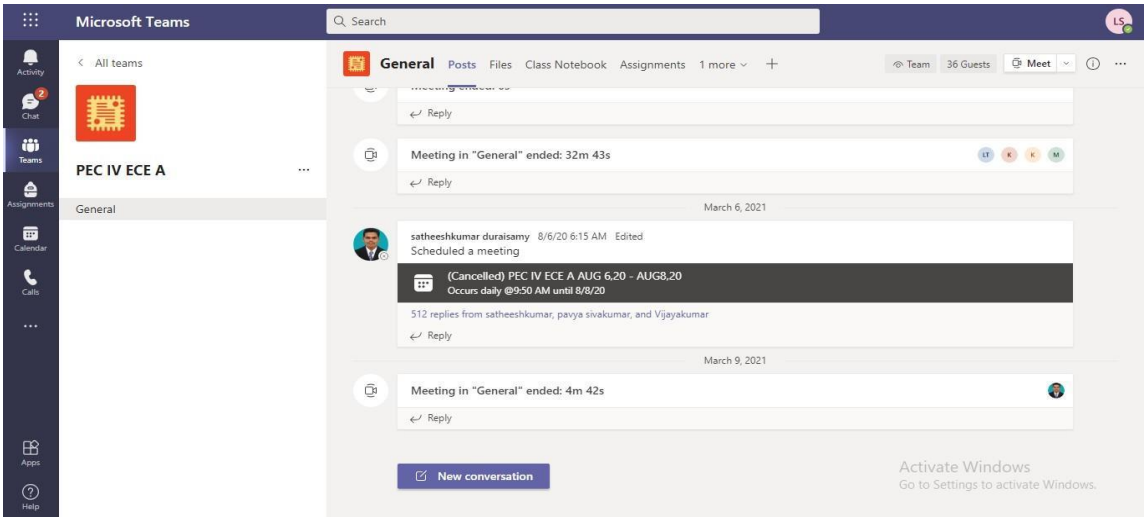


IIT Bombay- Spoken Tutorial https://spoken-tutorial.org



Online Tool used for teaching and learning

https://www.microsoft.com/en-in/microsoft-teams



GUEST LECTURE

A **Guest Lecture** involves inviting a subject matter expert such as a professional, academic, industry specialist, or researcher to speak to students about a particular area of study. These sessions may be held in-person or virtually and often include Q&A segments or discussions.

Guest Lecture is a valuable teaching tool that brings fresh energy, real-world relevance, and professional insight into the classroom. It broadens student learning, connects theory to practice, and enhances the overall educational experience. When carefully planned and integrated, guest lectures can inspire, inform, and prepare students for life beyond the classroom.

SIMULATION BASED TEACHING

Simulation-Based Teaching involves the use of simulated environments either physical (e.g., lab setups, role plays) or digital (e.g., computer software, virtual reality) to mimic real-world tasks or conditions. Students engage in hands-on, experiential learning that closely resembles practical or professional experiences.

Simulation-Based Teaching is a powerful, immersive approach that enhances student learning by blending theory with practice. It develops critical skills, boosts confidence, and prepares learners for real-life situations in a dynamic, engaging way. When implemented effectively, it transforms passive learning into an active, impactful experience.

INDUSTRIAL VISIT

An Industrial Visit (also called an industry tour or field visit) allows students to step out of the classroom and into actual work environments. It provides firsthand exposure to industrial practices, organizational structures, workflows, and technologies relevant to their field of study.

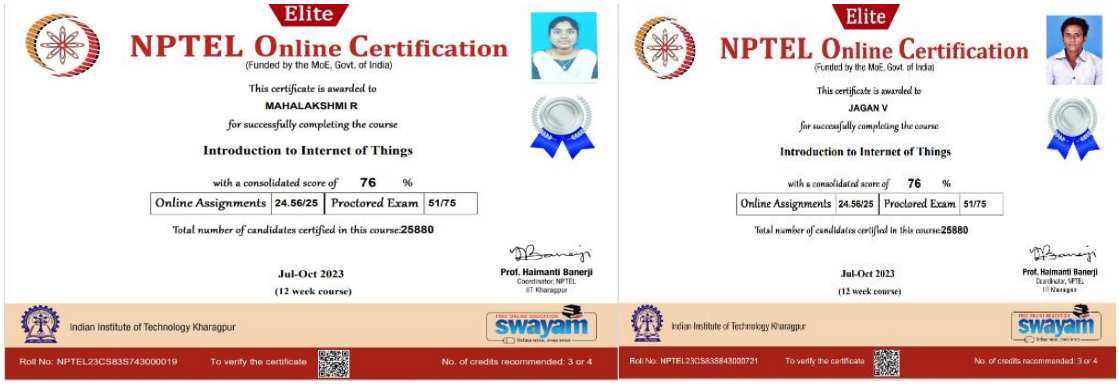
An **Industrial Visit** is a powerful teaching method that connects education with the real world. It enriches students' understanding, fosters career readiness, and supports experiential learning. When well-organized and linked to academic goals, it significantly enhances the teaching and learning process.

INPLANT TRAINING

In-plant Training is a short-term practical training conducted by industries for students, typically during vacations or as part of the curriculum. It allows students to work within an organization and understand the functioning of various departments, tools, and technologies used in the industry.

In-plant Training is a highly effective component of the teaching and learning process that enhances a student's technical knowledge, practical skills, and job readiness. It connects classroom learning with industry demands, giving students a competitive edge in their future careers. When integrated properly into the academic curriculum, it becomes a key contributor to holistic and applied education.

ICT SUPPORTED LEARNING



WORKSHOP

HANDS ON TRAINING

It involves direct participation in practical activities or tasks related to a subject. It is commonly used in fields like engineering, healthcare, IT, agriculture, science, and vocational education, but it can be applied in nearly any discipline that benefits from skill-based learning.

Hands-On Training is a vital teaching strategy that supports deeper learning through practical experience. It equips students with real-world skills, builds confidence, and complements theoretical learning. When effectively integrated into the curriculum, it transforms passive learners into skilled, confident, and job-ready individuals.

Sample of educational technology/tools

ICT SUPPORTED LEARNING:

Faculty members from the Department of Electronics and Communication Engineering are actively encouraging both students and fellow faculty to participate in online exams such as NPTEL (National Programme on Technology Enhanced Learning) and similar platforms.

NATIONAL PROGRAM ON TECHNOLOGY ENHANCED LEARNING (NPTEL) ONLINE COURSES

Students and faculty members are encouraged to enroll in online NPTEL Certification Courses and other online courses which offer e-learning modules covering a wide range of subjects like Engineering, Sciences, and Technology.

ICT ACADEMY OF TAMIL NADU (ICTACT) INITIATIVES

The ICT Academy has developed a comprehensive framework for course development, faculty training, and student training, emphasizing the use of effective tools to facilitate the transmission of knowledge from faculty to students.

INTERNATIONAL CONFERENCE ORGANIZED

The department of Electronics and Communication Engineering is a part of ICATS and conducts it regularly to upgrade the students' skill and knowledge. It Is an international conference largely participated by the faculty and students from various parts of India and other countries. The primary objective of ICATS was to establish an interactive platform for researchers, innovators, and professionals specializing in evolutionary computing within fields such as Embedded systems, Internet of Things, Networking, Communication, Signal and Image processing, VLSI Design and Bio Medical. This conference aimed to facilitate knowledge exchange and collaboration among participants, including students and young engineers, allowing them to engage with leading specialists in these research domains. The event provided an opportunity for established experts to share their insights and experiences with the next generation of specialists in the field.

The conference attracted significant interest, with numerous research contributions submitted by academic and industrial research groups from across the country. Selected papers for presentation after undergoing rigorous peer review and plagiarism checks. The conference

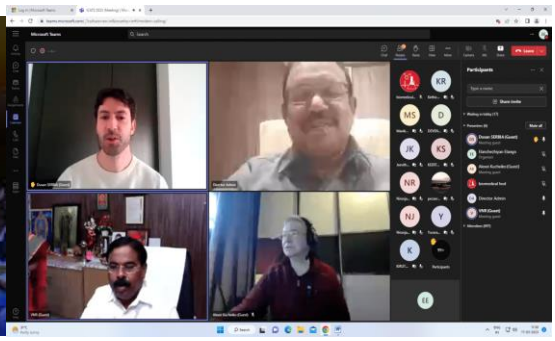
proceedings were published with an ISBN (ISBN: 978-93-91977-26-9), ensuring wide dissemination of the research findings and discussions presented during the event.

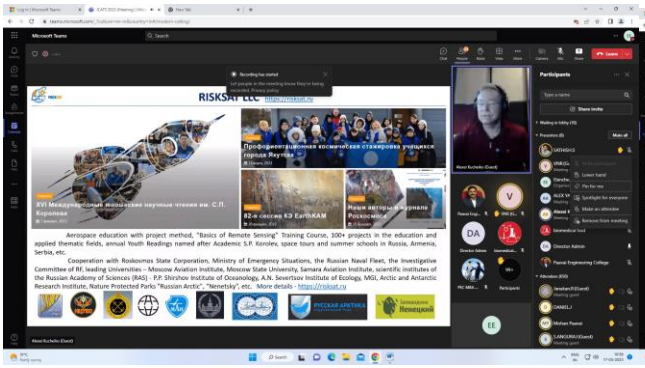
The outcome of the ICATS conference includes:

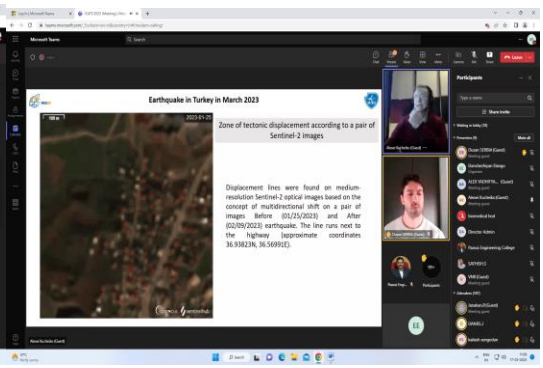
1. **Knowledge Exchange and Collaboration**: The conference facilitates the exchange of ideas and knowledge among researchers, innovators, and professionals. This interaction helps in fostering collaboration and partnerships.
2. **Skill Enhancement**: Participants, including students and young engineers, have the opportunity to learn from leading specialists, enhancing their skills and understanding of the latest developments in fields such as Embedded Systems, Internet of Things, Networking, Communication, Signal and Image Processing, VLSI Design, and Biomedical Engineering.
3. **Research Dissemination**: The conference proceedings are published with an ISBN (ISBN: 978-93-91977-26-9), ensuring wide dissemination of the research findings and discussions presented during the event.
4. **Professional Development**: Established experts share their insights and experiences, contributing to the professional growth of participants and inspiring the next generation of specialists.
5. **Innovation and Problem Solving**: The conference provides a platform for presenting innovative solutions and advancements in various technical fields, encouraging problem-solving and creative thinking among attendees.
6. **Networking Opportunities**: Participants have the chance to network with peers, mentors, and industry leaders, creating opportunities for future collaborations and career advancements.
7. **Recognition and Visibility**: Selected papers and research contributions undergo rigorous peer review and plagiarism checks, and being featured in the conference proceedings adds recognition and visibility to the authors' work.

Overall, the ICATS conference significantly contributes to the academic and professional growth of its participants, advancing research and development in key areas of electronics and communication engineering.


ICATS-2023
ICATS 2023
International Conference on Adaptive Technologies for Sustainable Growth
Online Mode




RISKSAT LLC
Aerospace education with project method, "Basics of Remote Sensing" Training Course, 100+ projects in the education and applied thematic fields, annual Youth Readings named after Academic S.P. Korolev, space tours and summer schools in Russia, Armenia, Serbia, etc.
Cooperation with Roskosmos State Corporation, Ministry of Emergency Situations, the Russian Naval Fleet, the Investigative Committee of RF, leading Universities – Moscow Aviation Institute, Moscow State University, Samara Aviation Institute, scientific institutes of the Russian Academy of Sciences (RAS) - P.P. Shirshov Institute of Oceanology, A.N. Severtsov Institute of Ecology, MGI, Arctic and Antarctic Research Institute, Nature Protected Parks "Russian Arctic", "Yamalskiy", etc. More details - https://riskat.ru


Earthquake in Turkey in March 2023
Zone of tectonic displacement according to a pair of Sentinel-2 images
Displacement lines were found on medium-resolution Sentinel-2 optical images based on the concept of multidirectional shift on a pair of images Before (01/25/2023) and After (02/09/2023) earthquake. The line runs next to the highway (approximate coordinates 36.93823N, 36.56991E).


PAAVAI
ENGINEERING COLLEGE
(An Autonomous Institution)
Approved by AICTE | Affiliated to Anna University, Chennai
ICATS-2025
PAAVAI
INNOVATION FORUM


PAAVAI
ENGINEERING COLLEGE
(An Autonomous Institution)
Approved by AICTE | Affiliated to Anna University, Chennai
Accredited by NAAC with 'A' Grade
INTERNATIONAL CONFERENCE ON ADAPTIVE TECHNOLOGIES FOR SUSTAINABLE GROWTH (ICATS'25)
10th Edition (Hybrid Mode) - 28th May 2025
ICATS-2025
BONFRING
ABOUT THE CONFERENCE
The International Conference on Adaptive Technologies for Sustainable Growth (ICATS-2025) is organised in unison by 21 Departments at Paavai. The foremost aim of the conference is to foster collaboration among scientists, research scholars, engineers, and industry experts from various universities, colleges, and industries to exchange innovative ideas, industry experiences, and research outcomes in engineering and technology. It serves as a congenial platform for multidisciplinary and interdisciplinary approaches, paving way for participants to showcase and deliberate their innovative research ideas and developments. Additionally, the conference aims to facilitate networking among researchers on both national and global scales, disseminate knowledge about cutting-edge technological advancements, and encourage the inclusion of innovative ideas from dynamic and adept minds in the field. Featuring plenary talks, keynote addresses, and paper presentations, ICATS-2025 promises to be an exciting platform for researchers and students to stay informed about the latest trends in engineering and technology.
IMPORTANT DATES
Last date for submission of Papers : 05th May 2025
Intimation of Selected of Papers : 12th May 2025
Last date for Camera Ready Manuscript : 16th May 2025
Conference Dates : 28th May 2025
All paper submissions must adhere to IEEE paper format
PUBLISHING DETAILS
• All the accepted papers will be published in the conference proceedings (ICATS'25) with ISBN Number
• The papers will be published in the International Journals with additional charges of Rs.1000 per paper (Optional)
• The Selected papers will be published Scopus Indexed Journal (Taylor & Francis / CRC Press) with additional charges (Optional)
Register and submit your papers using this QR Code
For more details visit conference website https://pec.paavai.edu.in/icats25/
Registration Fee :
Conference : Rs.2000 per paper
Plenary Sessions : Rs.500 per person
Scan to Register
KNOWLEDGE PARTNERS
ORACLE
The Convenors, ICATS - 2025
Paavai Engineering College (Autonomous)
NH-44, Pachal, Namakkal - 637018
Mobile : (+91) 96269 55335, 98940 48461, 99945 18112
Landline : 04286 - 243038, 243058
Email : icatspec@paavai.edu.in
Website : pec.paavai.edu.in/icats25
ORGANIZING COMMITTEE
Chief Patrons
Shri. CA. N. V. Natarajan
Chairman, Paavai Educational Institutions
Smt. Mangai Natarajan
Correspondent, Paavai Educational Institutions
Patrons
Dr.K.K. Ramasamy
Director-Administration, Paavai Educational Institutions
Dr.R. R. Krishnamurthy
Director-Centre for Research, Paavai Educational Institutions
Dr.M. Premkumar
Principal, Paavai Engineering College, (Autonomous)
Convenors
Dr.M. Raja
Head, Global Affairs and AI&DS, Paavai Engineering College, (Autonomous)
Dr.P. Srinivasan
Prof & Head / CSE - AI&ML, Paavai Engineering College, (Autonomous)
Dr.M. Rameshkumar
Prof & Head / CSE - IoT, Paavai Engineering College, (Autonomous)
Advisory Committee
Mrs.Kamala Krishnamurthy
Head - Paavai Innovation Forum (PIF), Paavai Engineering College (Autonomous)
Dr.K.Selvi
Dean Academics, Paavai Engineering College (Autonomous)
Dr.B.Murali Babu
Controller of Examinations, Paavai Engineering College (Autonomous)
Foreign Universities
Dr Richard Voyles
Senior Professor, Purdue University, USA
Dr Raji Sundararajan
Senior Professor, Purdue University, USA
Dr.Sundaram Gunasekaran
Sr. Prof, Agricultural Engineering Lab Madison, USA
Dr.Elisabetta Sieni
Sr. Prof, Dept. of Theoretical & Applied Sciences, University of Insubria, Italy
Dr.Vincenzo Torretta
Full Professor of Sanitary & Environmental Engineering, University of Insubria, Italy
Dr.Anand Paul
Asso. Prof, Louisiana State University Health Sciences Center, USA.
Dr.Sujatha Krishnamoorthy
Associate Professor, Wenzhou Kean University, China
Dr.M. Abdul Mujeebu
Associate Professor, Imam Abdulrahman Bin Faisal University Dammam, Saudi Arabia
Dr.Raguraman Raman
Professor, AIMST University, Malaysia
Dr.Sudhakar Kumarasamy
Associate Professor & Principal Research Fellow, UMPSA University, Malaysia
Scientists
Shri.S. Ingersol
Scientist 'H', Former Group Director, Liquid Propulsion Systems Centre, ISRO, Bengaluru
Dr.T. Ramprabhu
Joint Director & Scientist, DRDO, Bengaluru
Industry Persons
Mr.Ramakrishna Bhattiprolu
IT Manager, PeopleSoft, City of Sacramento, California, USA.
Mrs.S.Vaijayanthi
Director, UPS Technology Center, Chennai
Mr.A. Jayakrishnan
Senior Director, Cognizant Technology Solutions, Coimbatore.
Mrs.M.Amaladevi
Director, Capegemini Technology Solutions, Bengaluru.
Indian Academicians
Dr.U. Chandra Sekhar
Vice Chancellor, Godavari Global University, Andhra Pradesh.
Dr.K.K. Sekar
Professor, Dept. of Computational & Data Sciences, Indian Institute of Science (IISc), Bengaluru.
Dr.K. Senthil Kumar
Director, Aerospace Engineering, MIT Campus, Anna University, Chennai.
Dr.M. Anand Kumar
Associate Professor, Department of IT, NIT, Surathkal, Karnataka.
Dr.R. Murugan
Assistant Professor, Department of ECE, NIT, Silchar, Assam.
Dr.Prashant R. Nair
Professor & IQAC Chairman, Department of CSE, Amrita University, Coimbatore


GPS Map Camera
Namakkal, Tamil Nadu, India
95x6+cgx, Tamil Nadu 637018, India, Namakkal, Tamil Nadu 637018, India
Lat 11.39835° Long 78.161351°
28/05/2025 04:12 PM GMT +05:30
Google