



# PAAVAI

EDUCATIONAL INSTITUTIONS

Think Education... Think Paavai.

NH-44, Paavai Nagar, Pachal, Namakkal - 637 018

# PAAVAI VOICE

FEBRUARY - 2026

A MONTHLY BULLETIN

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## Chairman's message

Dear parents and students!

Greetings from your Chairman

It gives me immense pleasure to reflect upon the vibrant and enriching activities that have marked this academic year. Our institution continues to strive for excellence not only in academic but also in nurturing the holistic development of our students.

Our ASTRA, added color and creativity to campus life. Students enthusiastically participated in various events, exhibiting their artistic talents, teamwork and innovative spirit. Such events play a vital role in shaping confident and well-rounded individuals.

The Annual Day celebration was a grand success, showcasing the talents, achievements, and dedication of our students and faculty. It served as a proud occasion to recognize academic brilliance and co-curricular accomplishments. Likewise, the colourful dance performances on Annual Day added vibrancy and excitement to the celebration. Students captivated the audience with their graceful movements, energetic steps, and creative choreography. The fusion of traditional and modern dance forms beautifully reflected our rich cultural diversity. These performances truly showcased the talent, passion and team spirit of our students.

A notable highlight of the year was the educational visit to ISRO, where our students gained valuable exposure to advances in space science and technology. This experience broadened their horizons and inspired them to aspire towards excellence in scientific research and national development.

The initiatives under Paavai Velan Mandram were equally commendable, creating awareness about agriculture, sustainability and environmental responsibility, thereby connecting students with societal needs.

We also take great pride in our students who have secured University Ranks in PASCW across various disciplines. These achievements stand as a testament to their hard work, determination and the dedicated mentorship provided by our faculty. Such accomplishments bring great honor to the institution and set a benchmark for future academic pursuits.

Equally important is our commitment to Research and Innovation. Our institution actively promotes a culture of inquiry, encouraging both faculty and students to engage in the research, publications, seminars and innovative projects. By fostering critical thinking and creativity, we aim to contribute meaningful solutions to real-world challenges and keep pace with global advancements.

I am also delighted to highlight our participation in the Women Empowerment Series, in Arts College which emphasized leadership, equality and self-reliance among women students. Such initiatives play a crucial role in shaping a progressive and inclusive society.

I congratulate all the students, faculty members and organisers for their relentless efforts in making these events successful. Let us continue to move forward with dedication, unity and a shared vision for excellence.

Warm regards,

Chairman

# Admission Pooja'26

Admission Pooja Celebrations held on 20.02.2026



# Career Guidance Programme - I Year



## ASTRA'26

'ASTRA 2026' – A two day intra-collegiate cultural extravaganza was organised by Paavai Educational Institutions under the student activity forum AURA and SPARISM on 26.02.2026 and 27.02.2026 for Paavai students headed. Ar. Avanti Natarajan, Director Student Affairs cum ASTRA Convener. She inaugurated Astra'26 and welcomed the gathering. In her welcome and presidential speech, she stated a decade of ASTRA has created a platform for the Paavaians to explore their inner potentials and become achievers. In Astra'26, students of Paavai Institutions were grouped as four teams namely Paavai Warriors, Paavai Troopers, Paavai Sentinels and Paavai Crusaders. She stated that Astra'26 serves as a platform to improvise the student's skills, leadership qualities, organizational behavior and cultural activities. She also added that more than being a normal cultural fest, it will give the students some good experiences to shape their creativity and talents. She included that these types of cultural fest will encourage and motivate younger minds to overcome fear and hesitation. A prelude for ASTRA'26 was given by Ms. M.Preethi, I MBA and Mr. T.Naren, I B.Tech. (IT). ASTRA'26 was designed with a total of 60+ grand events grouped under 12 categories. In Music category, Voice of Astra event, In Dance category, Solo-Classical event, In Dramatics category, Monologue, Mime [Boys], Mime [Girls], Still- Sirppam, Classics-Reliving at 60 -70 events, In Art Attack category, Street Art (Mega Rangoli), Chalk art Pattern, T shirt Painting, Collage, Fruit | Veg Carving, In Design category Card Board Furniture Design, Fashion Runway (Boys), Fashion Runway (Girls), Designer of Newspaper dressing, In Media category, Photogram, Wrapper- Redesign, Prompt Engineering Battle, In Lets Talk category Ad-zap, Shipwreck, JAM, In Tamil category Pattimandram, In Adventure category Checklist



Pattimandram, In Adventure category Checklist In Sports and Games category Kabadi (Boys), Kho-Kho(Boys), Kho-Kho(Girls), Volley Ball (Boys), Volley Ball (Girls), T-20 Cricket events were conducted to prove students' strength and unity in this competitive cultural environment.

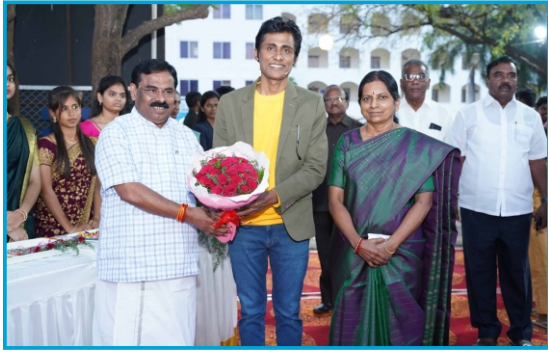


In the day 2 of ASTRA'26, events grouped under 12 categories like Dance, Let's Talk, Dramatics, Quiz, Tamil forum, Media, Art Attack, Fireless Cooking, Sports events etc were conducted. In Dance category, Reflections, Solo – Non Classical, Trio Coordination, Stepup Group Choreo War, Resonance – True Choreo Challenge, Oyillatam (Boys), Oyillatam (Girls), In Dramatics category, Street Play [Boys], Street Play [Girls], In Art Attack category, Revive – Waste Art installation Challenge, Mehendi, Embroidery, Clay Modeling, Hair Dressing, Painting on Coconut, Face Painting, In Design category, Lamp Design, Dry flower/leaf Bouquet Making, Brick Modelling, In Media category, Short Film, Magazine Cover Design, Reel it Right – The Digital AD Challenge, Podcast Pitch, In Quiz category, Quiz, In Lets Talk category, Turn court, Channel Surfing, Build a story, In Tamil category, Vivatha Medai, In Adventure category, Escape room, In Games category, Vazhuku Maram, Tug of War(Boys), Tug of



war(Girls), Uriyadi, In Food category, Fireless Cooking were conducted to prove students' strength and unity in this competitive cultural environment.

In the valedictory function, Director Student Affairs cum ASTRA Convener Ar. Avanti Natarajan welcomed the gathering. Famous Standup Comedian, Actor and Musician Mr.Alexander Babu performed a live standup comedy show on the title Isaiyum Nagaiyum for two hours in Kalpana Chawla open theatre to a large gathering of students and faculty members of Paavai Institutions. Shri CA.N.V.Natarajan, Chairman, Paavai Institutions felicitated the gathering.



## Annual day'26

The Annual Day celebration of Paavai Educational Institutions was held in a grand manner at Kalpana Chawla Open Theatre on 28.02.26. The programme began with an invocation and Tamil Thai Vazhthu. Shri CA. N. V. Natarajan, Founder and Chairman of Paavai Educational Institutions, presided over the function. The Chief Guest of the event was Shri Anand Megalingam, Founder and CEO, Space Zone India Private Limited, Chennai. Dr. M. Premkumar, Principal, Paavai Engineering College, presented the Annual Report highlighting the academic achievements and activities of all the institutions under the Paavai umbrella.

In his presidential address, the Chairman, stated that the dedication and discipline shown by the students were truly admirable. He noted that the event reflected the achievements and activities of the past year. He also emphasised the importance of upgrading skills in line with technological advancements. For this purpose, Paavai Innovation Centre, a skill development initiative has been established with centres of excellence in our institution. In addition, our institution has signed Memorandums of Understanding with various foreign universities. To succeed, one must follow certain principles such as clear goals, the right path, perseverance, hard work, discipline and faith in God. When you consistently follow these principles, you will certainly become successful individuals.

Mr. Anand Megalingam, the chief guest advised the students to manage their time, money, opportunities and efforts effectively to achieve in their life. He motivated the students to think positively and strive for continuous success. After achieving your goals, use your talents for the development of the nation. Instead of focusing only on opportunities abroad, he advised to ruminate on how they can contribute to the progress of the country. Be open to new ideas with clear vision and perspectives in education, work and business. Learn to work both independently and as part of a team and handle each and every task with care. Accomplishments are possible only through dedication. Do not be discouraged by failures; Remember that consistent effort, hard work and discipline will help you overcome failures and achieve success. Students presented colourful cultural performances during the celebration. The programme concluded with the Vote of Thanks delivered by Mrs. Mangai Natarajan, Correspondent, Paavai Educational Institutions. The event was attended by the management members, Directors, Principals, faculty members, parents and students.





## Paavai Velaan Tiruvizha'26

The Department of Agricultural Engineering, Paavai Engineering College, Namakkal successfully organized the two-day Paavai Velaan Tiruvizha 2026 at Anandha Arangam on 03.02.26 and 04.02.26, with the objective of promoting sustainable, technology-driven, and farmer-centric agricultural development, witnessing active participation from farmers, scientists, academicians, agri-entrepreneurs, startups and students.

The programme commenced with a welcome address by Dr. K.K.Ramasamy, Director Administration, Paavai Institutions. In the Presidential Address by CA N. V. Natarajan, Chairman, Paavai Institutions, emphasised the integration of modern technologies with traditional farming practices for Nation development. The chief guest, Mrs. S. Malliga, Joint Director of Agriculture, Namakkal delivered her keynote address presenting detailed statistics on the farming scenario in Namakkal district, government schemes and major initiatives beneficial to farmers. An inspiring address was given by Mrs. Mangai Natarajan, Correspondent, Paavai Institutions, highlighting inclusive growth and youth involvement in agriculture. This was followed by special technical talks by invited experts for farmers and students. Subsequently, the stall inauguration was held at Pragathi Hall and was formally inaugurated by the chief guest, who visited various stalls showcasing agricultural inputs, value-added products, solar dryers and panels, agricultural machinery, drones and other innovations with more than 75 entrepreneurs and startups exhibiting their products. Notably, Paavai Engineering College student startups demonstrated Paavai Organic Farming (Neem Plus Pesticide), Ecofit Bio-manure and an Android-based agricultural mobile application.

A major attraction of the festival was the technology stalls and live demonstrations, which provided farmers with hands-on exposure, direct expert interaction and opportunities to explore income-enhancing innovations while students benefited from experiential learning beyond classrooms. Dr. P.Venkatachalam, Retired Professor, Tamil Nadu Agricultural University and Bio-energy Expert, delivered a lecture on the future of agriculture and climate change adaptation strategies followed by Mr. A.Vijaykumar, Retired Superintendent Engineer, Agricultural Engineering Department,



Government of Tamil Nadu, who spoke on the transformation of agriculture through farm mechanization and recent innovations in agricultural engineering. In the post-lunch session, Mr. R.M. Subramanian, Retired Joint Director of Agriculture, Erode, emphasised the importance of value addition in agricultural produce to enhance farmers' income and explained the available techniques and machinery, while the final speaker of the day, Mr. A. Theri Rajan, Managing Director, ATR Solar India, Madurai, elaborated on the role of solar dryers in value addition, detailing their design, technical specifications, construction, installation and marketing. The first day concluded with traditional cultural performances by students themed on heritage, food practices and healthy lifestyles.

On 04.02.26, the programme commenced with a welcome address by Dr. K.K.Ramasamy, Director Admin, followed by the Presidential Address by CA N. V. Natarajan, Founder & Chairman, Paavai Educational Institutions, who highlighted the vital role of farmers in ensuring food safety and food security, after which the chief guest, Mr. Karthikeya Sivasenapathy, Chairman, Non-Resident Tamils' Welfare Board and Managing Trustee, Senaapathy Kangayam Cattle Research Foundation, delivered an insightful address on the historical significance of Jallikattu and native cattle breeds, stressing the need to conserve indigenous breeds for quality livestock development and farmer welfare and an address by Mrs.Mangai Natarajan, Correspondent, Paavai Educational Institutions, emphasising women's role in agriculture, entrepreneurship and empowerment.

An MoU was signed between the Department of Agricultural Engineering, Paavai Engineering College and the Senaapathy Kangayam Cattle Research Foundation to promote research collaboration, faculty development programmes, student exposure visits and knowledge exchange. Experts sessions continued with Mr. Selva Murali, Founder and CEO, Agrisakthi, who spoke on climate change impacts, traditional timekeeping in the Tamil calendar and introduced farmer-friendly Tamil-language digital solutions recognized among Google's top Android applications, followed by Mr. R.Sudar Shanmugasundaram, a traditional seed conservator from Puducherry, who highlighted the importance of preserving native seed varieties to avoid corporate dependency and ensure poison-



importance of preserving native seed varieties to avoid corporate dependency and ensure poison-free food, displaying several traditional seed collections. In the afternoon session, Dr. K.Velmurugan, Professor and Head, Krishi Vigyan Kendra, Namakkal, explained precision farming techniques in horticulture, productivity enhancement strategies, and the role of KVK in technology transfer, while Mrs. S. Padmavathi, Executive Engineer, Agricultural Engineering Department, Namakkal, along with Mr. R.Balaji, Assistant Engineer, explained government schemes, seed-to-seed mechanisation practices, machinery availability and demonstrated the Uzhavan App for booking farm machinery at subsidised rates. The programme concluded with a Vote of Thanks proposed by the Student Secretary expressing gratitude to the management, speakers, farmers, students, organisers and volunteers.

The Paavai Velaan Tiruvizha 2026 emerged as a comprehensive knowledge-sharing platform that successfully blended traditional wisdom with modern science and engineering, reinforcing Paavai Engineering College's commitment to farmer empowerment, sustainable agriculture and rural development.



If Agriculture goes wrong, nothing else will have a change to go right.

**M.S.Swaminathan**

## National Science day

The Departments of Mathematics, Chemistry, Physics and Geology, in association with the Namakkal Astro Club, jointly organized a two-day programme on the occasion of National Science Day at Keerthi Hall, Pavai Arts and Science College for Women, on 12.02.26 and 13.02.26. The programme began with a prayer song followed by Tamil Thai Vazhthu rendered by the students. K. Indhumathi, III B.Sc., Physics delivered the welcome address. The chief guest, Dr. P.Ramesh, AP, NMC was introduced by K.Shanthi, II B.Sc., Mathematics. Dr. P.Ramesh delivered a lecture titled 'Skyward Spectrum: Space Science and Sky Watch'. He spoke about space science, the universe, Earth's rotation and revolution, scattering of light, and various scientific models. Students from Paavai Polytechnic College visited the campus to witness the innovative Science Expo and the Magical Science World demonstration. The Vote of Thanks was proposed by P.Nigalya, III B.Sc. Chemistry.

On the second day, students from various departments displayed science and mathematics models on diverse topics such as the Solar System, Hydrological Cycle, Chandrayaan satellite model, Water Cycle, Seismograph, Earthquake, Fossils, Oceans, Rocks and Minerals, Acid Rain, Rainwater Harvesting, Air Purification, Electrolysis of Water, Atom Model, Soap Making, Periodic Table, Oxidation Reactions, Paper Chromatography, Types of Functions, Fractions, Set Theory, Pythagoras Theorem, Trigonometric Ratios, Geometrical Shapes, Mathematical Park, Puzzle Games, Central Tendency, Angles, Sudoku, Telescope, Solar Eclipse, Heat Generator, Automatic Street Light, Thermal Power Plant, Rocket Model, Kaleidoscope, 3D Hologram, Windmill, Hydraulic Lift, Optical Illusions,



Pendulums and Lissajous Figures. Students gained practical knowledge of astronomy and the solar system through skywatch activities. They developed a better understanding of scientific concepts by observing and explaining working models. The programme enhanced critical thinking and observation skills and boosted students' confidence through model presentations. It also encouraged scientific curiosity and innovation, improved teamwork and communication skills promoted active participation in science-related activities and inspired students to pursue careers in science and research.

## Anna University Sports Board Inter Zonal Kho Kho (Women)

A two-day state-level inter-Anna University women's Kho-Kho tournament was conducted at Paavai Engineering College on 24.02.2026 and 25.02.2026. Around 300 participants from nearly 20 teams representing various affiliated colleges of Anna University across the state took part in the competition. The inaugural ceremony was presided over by Shri CA N.V. Natarajan, Founder and Chairman of Paavai Educational Institutions, who officially declared the tournament open. Ar. Avanathi Natarajan, Director Student Affairs, graced the occasion with her presence. The chief guest, Dr. Balakumaran, Secretary of the Sports Department, Anna University, delivered the special address.

In his speech, he emphasized that students should actively participate in sports competitions like these and strive to progress to higher levels. He highlighted the importance of maintaining good health through proper diet, regular walking, physical exercise, and meditation. He also mentioned that many students from Paavai Educational Institutions have excelled in sports and are now employed in government jobs, with over 50 serving as Sub-Inspectors of Police. He encouraged the participants to achieve excellence both in sports and academics and wished them success in reaching greater heights in life. The event was attended by Mr. Immanuel, Principal of Paavai College of Engineering, Mr. Santhanaraja, Director of Physical Education, coaches, physical education instructors, and students from various colleges.



## உலகம் உங்கள் கையில் மடிக்கணினிகள் வழங்கும் மாபெரும் விழா



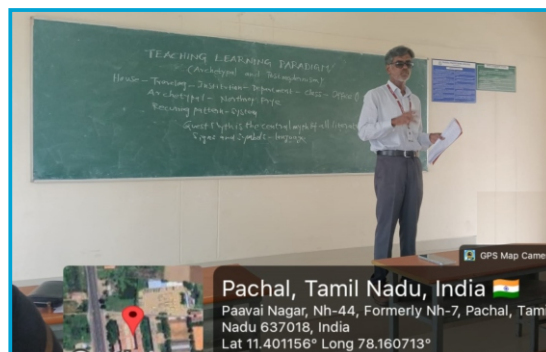
### ISRO Visit

The students of PPC, accompanied by the Dean-Counselling and faculty members visited the ISRO on 30.01.26 as part of their academic enrichment activities. During the visit, the students gained valuable exposure to India's space research programmes and advanced technological developments. They were briefed on satellite launch vehicles, space missions, research facilities and the pivotal role of ISRO in national development. The interaction sessions with ISRO resource personnel enhanced the students' understanding of the real-time applications of engineering concepts and inspired them to pursue innovation and excellence in the field of science and technology. The visit proved to be highly informative and motivational, bridging the gap between theoretical knowledge and practical implementation. Overall, the industrial visit significantly contributed to the students' professional growth, technical awareness and career orientation.



## Academic Events

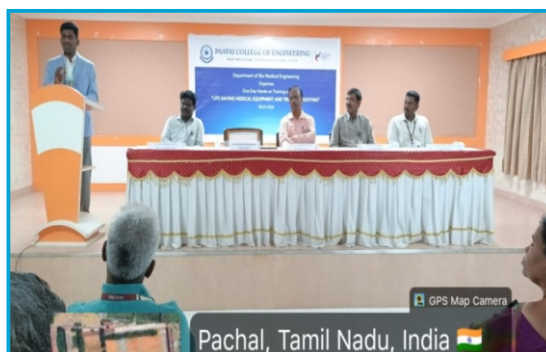
The Department of English, PEC, organised a faculty development program on 02.02.26. Dr.V.Kumaran, ASP, English, PEC delivered an insightful lecture on 'Teaching-Learning Paradigm: Archetypal and Post-Modernism'. He effectively applied the Theories of Hippocrates', 'Four Kinds of Humours and Northrop Frye's 'Archetypal Theory' to explain behavioural patterns and learning paradigms in education.



The Department of Commerce, PASCW organised an industrial visit to Hindu Publishing Pvt. Ltd., Coimbatore, on 03.02.26 for first-year students (85 students). Students learned about newspaper production, including news collection, editing, printing and distribution. The visit also provided insights on digital journalism, media ethics and reader engagement. The industrial visit was informative and helped bridge the gap between theoretical learning and practical experience.



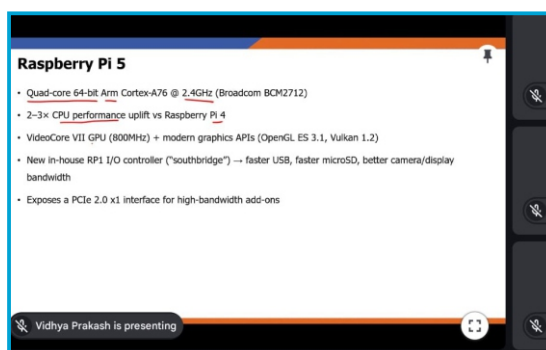
The Dept. of BME, PCE successfully organised a one-day hands-on training program titled 'Life-Saving Medical Equipment and Troubleshooting' on 03.02.26. The session was led by Mr.Vinothkumar Kannan, MD, KAV Biomedical Training and Education, Madurai, who delivered an insightful lecture on Maintaining and troubleshooting Cardiac Care Equipment and Infusion Pumps in Biomedical Engineering. The event was presided over by Dr.A.Hariharan, Principal, PCE.



WWC, PEC organised a one-day seminar titled 'Awareness on Osteoporosis' on 04.02.26. The seminar's Keynote Address was delivered by the guest speaker, Dr.A.Hepsi Rachel Chellarani, Principal, PCNR, delivered an informative presentation explaining the causes, symptoms and long-term effects of osteoporosis. The event was convened by Dr. R.Shanthi, Prof. and Head, English who provided strategic support and guidance throughout the planning and execution.



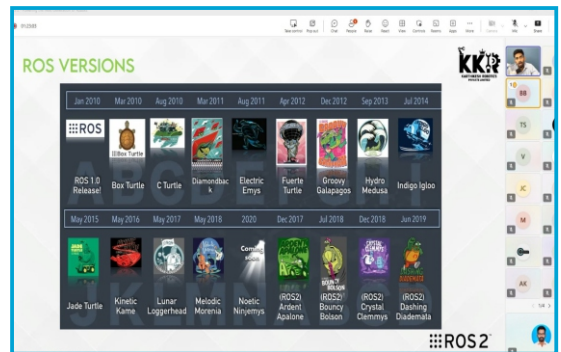
The Dept. of AI&DS, PCE, successfully organised an online webinar titled 'Role of Artificial Intelligence in RASPBERRY PI for Everyone: Simple, Practical Projects' on 05.02.26 through Google Meet. The webinar aimed to provide practical insights into the integration of AI with RASPBERRY PI, focusing on beginner-friendly and real-world project applications. The program was graced by the presence of the guest speaker, Mr.Vidhya Prakash Rajendran, Lecturer, Engineering Department, University of Technology and Applied Science, Nizwa, Oman.



The Dept of Cyber Security organised an alumni guest lecture on 'Importance of Security Audit and Risk Assessment' on 06.02.26. The Presidential Address was delivered by Dr.K.K.Ramasamy, Director Admin, PEI. The keynote speaker, Mr.S.B.Hariharan, Graduate Engineer Trainee at HCL Tech, Chennai, led the session. He explained the core concepts of security auditing and risk assessment in a clear. The session highlighted how organisations identify vulnerabilities, evaluate potential risks.



The AMS Robotic Technology Hub organised a one-day online guest lecture on 06.02.26, titled 'ROS 2 - Powering the Next Generation of Robots,' under the aegis of the PIF. The session was delivered by Mr. J.G.Karthikesh, Founder and CEO of Karthikesh Private Limited, Chennai, who served as the resource person. During the lecture, he demonstrated his extensive expertise in ROS 2 and autonomous robot architecture, emphasizing their real-world applications.



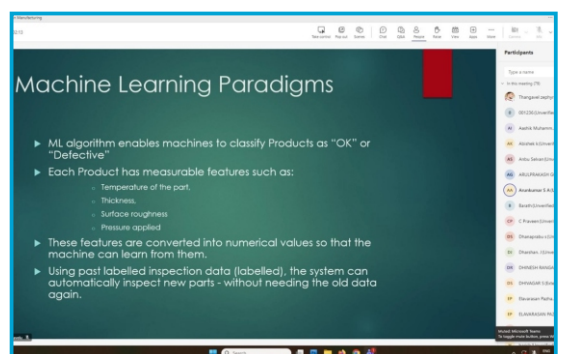
A one-day industry guest lecture titled 'Strong, Durable and Sustainable Concrete-JSW Cement Limited' was organised by Civil in association with the PCAE, PEC, on 06.02.26. The Presidential Address was given by Dr.K.K. Ramasamy, Director Admin, PEI. The resource person was Mr.S.Seenivasan, DM, JSW Cement Limited, Chennai. He highlighted the company's focus on the production of slag-based products such as GGBS and PSC, which contribute to high-strength, durable, and low-carbon concrete economic growth and public welfare.



The Department of Commerce, PASCW organised 'Commerzia 2026' on 06.02.26 to showcase students' talents. The morning session included events like Dumb Charades, Ads Up and Quiz, promoting teamwork and creativity. Students participated enthusiastically, creating a lively and competitive atmosphere, featured cultural events such as Drama and Singing, highlighting artistic skills. The event concluded successfully, fostering unity and leaving participants with a sense of joy and achievement.



The Depts.' of Mech, Safety and Fire and Robotics and Automation Engineering, along with the Resource Club of PEC, organised an online guest lecture on 'Applied AI in Manufacturing' via the Microsoft Teams platform on 07.02.26. The session was delivered by Mr.S.A.Arun Kumar, Consultant-Finance & Accounting Transformation at a Big 4 Consulting Firm, Bangalore. During the lecture, the concept of smart manufacturing and Industry 4.0 was introduced, highlighting how AI integrates with sensors and machines to enhance efficiency and productivity in modern factories.



The Dept. of Pharma, PEC, in association with the IIC, successfully organised a guest lecture on 'Basics of Intellectual Property Rights and its Importance for Innovators and Entrepreneurs' on 07.02.26. The session was delivered by the guest speaker, Mr. N.Saravanakumar, Manager-Quality Assurance at ALS Testing Services India Pvt.Ltd., Bengaluru who presented an insightful and informative lecture on the fundamentals of Intellectual Property Rights, elaborating on various forms such as patents, industrial designs, trade secrets and copyrights.



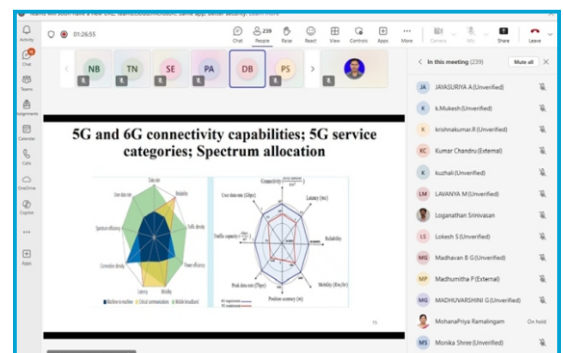
On 07.02.26, PCE organised a quiz competition. The preliminary round was conducted through MOODLE, in which 78 teams participated. The event witnessed enthusiastic participation from our talented students, who showcased exceptional skills and knowledge, making the competition highly engaging and intellectually stimulating. The event aimed to honor the legacy of the mathematical genius Srinivasa Ramanujan and inspire students to delve deeper into the fascinating world of mathematics.



The Dept. of Cyber Security organised a guest lecture on 'Cyber Security in the Age of AI' on 07.02.26. The resource person was Mr. Sabarinathan Muthu, Founder and CEO, Gateway Software Solutions, Coimbatore. The MoU was signed with the following objectives to strengthen industry-academia collaboration in the field of Cyber Security to facilitate internships, live projects, promote research, innovation ideas. Mr.Sabarinathan Muthu emphasised the critical role of cybersecurity in safeguarding digital assets in today's AI-driven era.



The Department of ECE, in association with the ISTE, organised a webinar titled 'Beyond 5G: The Road to 6G Networks' on 07.02.26. The resource person was Dr.B.Nivedetha, AP(SG) at PSGCT, Coimbatore. She commenced the session with an insightful introduction to Beyond 5G and the evolution towards 6G networks, offering participants a broader perspective on future wireless communication technologies and their transformative potential.



The Dept. of Food Technology, PEC, organised a Guest Lecture on 'Shelf-Life Extension of Foods through Sustainable Food Packaging' on 09.02.26. The session was delivered by Dr.S.Rathinavel, AP, SRM Institute of Science & Technology, Trichy. He explained the concept of food shelf-life, deterioration mechanisms and the role of packaging as a protective barrier.



The Dept. of English PASCW conducted a movie screening on 09.02.26. The programme aimed to refresh students and encourage interdepartmental interaction. The movie screened for the students was the popular comedy adventure film *Baby's Day Out*. It created a cheerful atmosphere. The event promoted relaxation, bonding, and a sense of unity among students. Students watched the movie with great enthusiasm and interest, enjoying the light-hearted scenes and comic moments.



The EDC, PEC organised the EDII-TNYIEDP 'Idea Generation Workshop 2026' on 09.02.26. The Presidential Address was delivered by Dr.K.K.Ramasamy, Director Admin, who emphasised the importance of innovation and entrepreneurial mindset among students. The guest Speaker, Mr.G.Vasudevan, District Program Manager, EDI-TN, explained the key aspects of idea generation, validation, opportunity identification and converting ideas into successful business models. His session inspired students to consider entrepreneurship as a career option.



The Microbytes Innovation Club, under the Department of MCT, PEC, organised the event 'Code the Clue' on 10.02.26. The event was inaugurated by Dr.D.R.P.Rajarathnam, Head, MCT,PEC. It was a three-round solo competition designed to test logical, analytical and technical skills. A total of 83 students participated, with 5 finalists competing in the final QR code-based sensor identification round. The event concluded with prize distribution by Dr.K.Sharmiladevi and successfully promoted critical thinking and technical curiosity.



A two-day workshop on 'UI/UX Design with Figma' was organised by the dept. of IT, PEC, on 10.02.26 and 11.02.26. The Presidential Address was delivered by Dr. K.Selvi, Dean-Academics, who emphasised the growing importance of UI/UX design skills in today's digital era. The workshop sessions were conducted by Mr. V.Surendar, UI/UX Designer, Green CAD Tech. He explained the fundamental concepts of User Interface (UI) and User Experience (UX) design, including design principles, wireframing, prototyping and practical implementation.



The Dept. of CS successfully organised 'AI HACKSTACK 2026' on 11.02.26, featuring seven exciting events that showcased the talents and technical skills of students. The events are 'AI Detector', 'Mystery Me', 'AI Astronative', 'Silent Revolution', 'AI Meets VFX', 'Lumi AI vs Shadow AI', 'Smart Creation', was conducted by PASCW students. Outstanding students were recognised and rewarded for their performances.



The Dept. of ECE at PEC, in association with the IIC, organised an alumni guest lecture titled 'Empowering Techniques for Intelligent Networking and Communication' on 11.02.26. The Presidential Address was delivered by Dr.K.K.Ramasamy, Director Admin, Paavai Institutions. The resource person was Dr.D.Arulanantham, ASP, Kangeyam Institute of Technology, Kangeyam. He focused on the transition from current standards to future-ready technologies.



The Department of Cyber Security organised a guest lecture on the topic 'Cracking MAANG & Career Growth with AI' on 11.02.26. The Presidential Address was delivered by Dr.K.Selvi, Dean Academics, PEI. The resource person was Mr.G.Jayasuriya, Founder & CEO of Cybernaut Ed Tech Private Ltd., He introduced students to essential AI concepts and demonstrated how accuracy in problem-solving and decision-making contributes to professional growth and industry readiness.



The IIC and R&D Cell, in association with the ECE, PCE, organised a seminar titled 'Foundation of R&D: Ethics, Funding and Global Practices' on 12.02.26. The session was delivered by Mrs.V.Sagunthala, GM, Department of Industries and Commerce, District Industries Centre, Namakkal, who served as the chief guest and resource person for the event. She delivered an insightful and informative address focusing on the importance of research ethics, funding mechanisms, proposal development strategies and global research practices.



The Dept. of ECE in association with The Institution of Telecommunication Engineers (IETE) organised a hands-on training titled 'Practical Verilog HDL using Xilinx Vivado and EDA Playground' on 12.02.26. The Presidential Address was delivered by Prof. Kamala Krishnamurthy, PIF, Centre Head, Paavai Educational Institutions. The training sessions were handled by Mr.S.Vijay Murugan, AP, ECE, PEC. He highlighted the best practices for writing Verilog code, testing and simulation workflows using Xilinx Vivado.



The Dept. of BT organised a guest lecture on 'Environmental Nuances of Biogas Production and Industrial Use' on 12.02.26. The resource person was Mr.R.Rajasekaran, Production Manager, Green Connect Resource Management Solutions and Puvitham Pvt. Ltd., He highlighted the significant role of biogas technology in promoting sustainable energy, effective waste recycling. PEC and Green Connect Resource Management Solutions signed a Memorandum of Understanding to promote academic-industry collaboration.



The Dept. of CSE, PEC, in association with the IIC, CSI, and the Software Development & Information Management Club, organised a guest lecture on 'Problem Solving and Ideation for Startup & Entrepreneur' on 12.02.26. The guest was Mr. Kaveen Prasannamoorthy, Entrepreneur and Corporate Trainer, CEO of Unborn and Infraspot Solutions Pvt Ltd, Chennai, explanation of entrepreneurship, including the concept of a turf-based application, demonstrating how simple ideas can be transformed into viable business opportunities.



PIF in association with the department of ECE, PEC organised a two day Hands-on training workshop titled 'Networking Fundamentals' on 12.02.26 & 13.02.26. Mrs. K.Thendral, Juniper Networks CoE Coordinator and Mr. S.SatheeshKumar, AP, ECE - handled the session for the students. The resource persons explained each concept using real-time examples and command-line demonstrations, switches, routers and firewalls were explained.



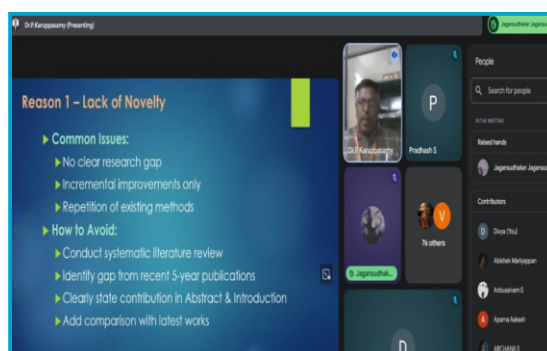
The Depts. of Mech & Auto, PCE jointly organised an online webinar on 'Industry-Driven Research: Pathway for the faculty members and students on 13.02.26. Dr.V.Hariharan, Principal, PCE presided over the function. The resource person Dr.Santhosh Mozhugan Sekar, ASP, Mech, Selvam College of Technology, Namakkal, stated the importance of technical events in updating ourselves with Industrial expectations.



The Dept. of English in association with English Club, PEC organised a workshop on 'MC : Be the Voice of the Event' on 17.02.26. The resource person was Dr. R.Shanthi, Prof., English, PEC. During the workshop, students were trained in essential communication skills, voice modulation, pronunciation and body language. They were guided on script writing, introducing guests formally and maintaining a smooth flow of events. Special attention was given to overcoming stage fear and handling unexpected situations with confidence and presence of mind.



The IIC and R&D Cell in association with CSE, PCE organised an online webinar on 'Research Articles Writing and Journal Publication Support Workshops-Reasons for Rejection on Research Articles' on 17.02.26. The guest speaker was Dr.P.Karuppasamy, Professor & Head, ECE Research & Development, Adithya Institute of Technology, Coimbatore. The resource person explained why research papers get rejected and how to prevent it and the reasons for Technical Rejection and Desk Rejection.



The Dept. of IT organised an awareness session on 'Scope of NVIDIA Frameworks in Edge Computing Devices' on 18.02.26. The Presidential Address was delivered by Dr. M.Premkumar, Principal, PEC motivating students to be innovative and active. The guest speaker, Mr. V.Karthik, Head, Operations at EDSOLS Innovations Pvt. Ltd., shared insights on Artificial Intelligence. Key topics included AI ethics, edge computing and emerging technologies.



The Dept. of MCT and the Dept. of R&A, in association with the IIC and EDC, organised a Field Visit to PSGCT on 19.02.26. The session was conducted by Mr.Ajay and Ms.Dhivya, Master Trainers from PSGCT. The resource persons delivered an insightful session on innovation-driven product development, start-up opportunities, and the importance of pre-incubation support for aspiring student entrepreneurs.



The Dept. of EEE, in association with the IIC and the IEI, organised an enlightening guest lecture on 'Intellectual Property Rights and Research Publication Ethics' on 20.02.26. The resource person was Mr.PrakashManoharan, AP-MBA, Sanjivani College of Engineering, Maharashtra. He emphasised the importance of originality in research, avoidance of plagiarism, responsible authorship, proper citation practices, identification of predatory journals, and adherence to ethical standards in publishing.

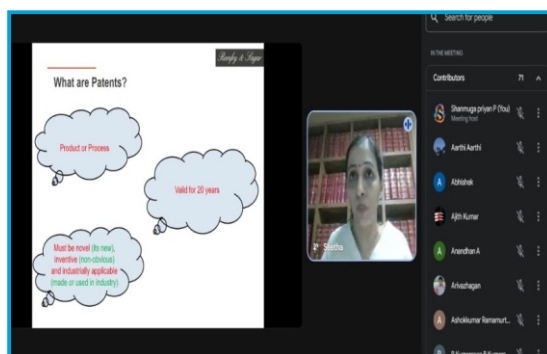
**PAVAI ENGINEERING COLLEGE**  
(AUTONOMOUS)  
NH-44, Pachal, Namakkal - 637 018.

Department of Electrical and Electronics Engineering  
in association with  
Institution's Innovation Council | The Institution of Engineers India  
Organise a  
Workshop On

**"Intellectual Property Rights and Research Publication Ethics"**  
on Friday, 20<sup>th</sup> Feb 2026, 07.00 p.m. to 08.15 p.m  
Link : <https://tinyurl.com/lprdesign>

Guest Speaker  
**Mr.PRAKASH MANOHARAN, AP/MBA**  
Sanjivani College of Engineering (Autonomous)  
Maharashtra.

The Dept. of EEE, PCE in association with IIC & Research Development Cell (IPR) successfully organised an online workshop titled 'IP Awareness & Patent Filing Workshop' on 20.02.26. Dr.V.Hariharan, Principal, PCE, delivered the Presidential Address, in which he elaborated that we are living in an era where ideas are the most valuable assets. Innovation is no longer confined to laboratories, it is happening in classrooms, startups, industries and research centers.



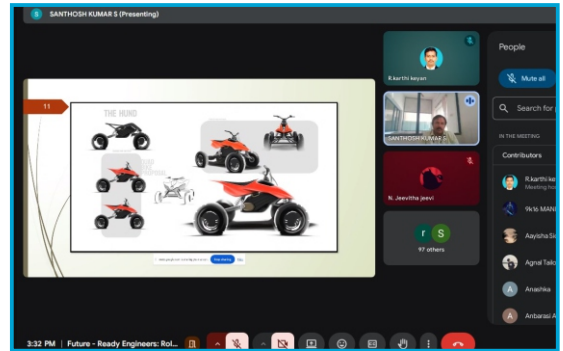
The YRC, PCE organised a Work shop on 'First Aid training' for YRC volunteers on 20.02.26. The inaugural function took place in the presence of Dr.V.Hariharan, Principal; Dr. A. Immanuvel, VP, PCE; Mr.Gowrisankar, YRC coordinator. The Principal, PCE, presided over the function. In his Presidential Speech he addressed the humanitarian principles of the International Red Cross and Red Crescent Movement and encouraged the volunteers to contribute tirelessly for the welfare of society. Dr.A.Hepsi Rachel Chellarani, Principal, PCNR, delivered the keynote address.



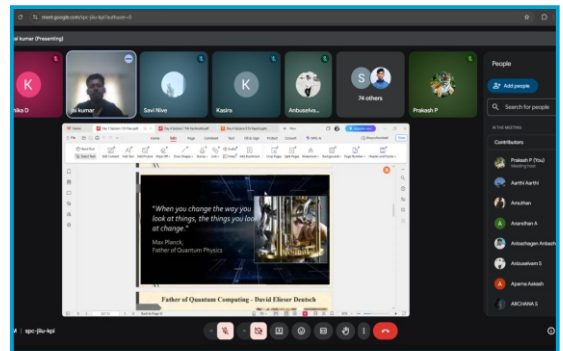
The Dept. of AI&DS, PCE organised a guest lecture on 'Building RAG Application with Snowflake Cortex Search' on 21.02.26. The session aimed to provide students with insights into emerging technologies and practical applications in AI&DS. The Presidential Address was delivered by Dr.A.Immanuel, VP, PCE, who emphasised the significance of continuous learning, research and innovation. The guest speaker was Mr.Sriganesh Palani, Tech Lead at Tech Mahindra, Bangalore.



The Dept. of Maths in association with IIC, PCE organised a webinar on 'Future-Ready Engineers: Role of Design Skills' on 21.02.26. This session was conducted by Mr.S.Santhosh Kumar, AP, Maths, KEC, Erode. The resource person delivered an insightful session on innovative designing of automobiles, start-up opportunities, importance of designs skill. The main objective of this webinar was enhancing our student's knowledge especially in designing field.



The Dept. of CSE, PCE organised an online webinar on 'Quantum Computing' at 21.02.2026. The resource person was Mr. B.Jai Kumar, AP, CSE, School of Engineering, Presidency University, Bangalore, explained about Quantum computation leverages, key principles of quantum mechanical properties such as superposition, entanglement, and quantum interference. He taught on Current Limitations and Research Challenges. He explained exponential growth of the computational state space as the number of qubits increases.



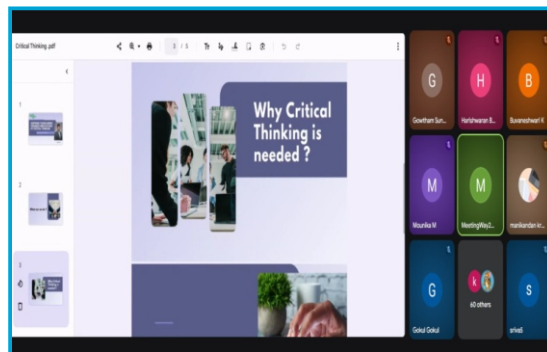
The Dept. of Chemical organised an alumni guest lecture titled 'Introduction to Detail Engineering and Process control' on 21.02.26. The chief guest Mr.J.Vignesh Executive Engineering- Process simulation, Yokogawa India Limited, Bangalore shared his professional journey, industry experience and notable contributions in the field of chemical process industries, which makes students inspire with insights on career development and practical exposure.



The Dept. of EEE, in association with the IIC and ISTE, organised an guest lecture on 'Intellectual Property Rights in Digital Era' on 21.02.26. The resource person was Dr.C.John De Britto, AP, EEE, Saveetha Engineering College, Chennai. The speaker elaborated on the step-by-step procedures for patent and copyright filing, highlighting the significance of protecting intellectual assets in academia, startups and industry-driven research. The session featured real-world examples, case studies on IPR infringements.



The IIC in association with CSE, PCE organised an online webinar on 'Inspiring the Young Minds Towards Innovations by Critical Thinking' on 23.02.26. The guest speaker, Mr. S. Yogahariharan, MD, Way2me, Namakkal, delivered an insightful and engaging lecture, emphasising the importance of bridging the gap between theoretical knowledge and practical innovation. He highlighted the need to develop a questioning mindset that fosters curiosity, logical reasoning and evidence-based decision-making.



A one-day guest lecture on the title 'Sustainable Construction through Industrial By-Product Utilization' was organised by Civil in association with PCEA, PEC on 23.02.26. The resource person was Dr.T.Murugesan, ASP & Head, Civil, GCE, Thanjavur. He delivered an insightful session on sustainable construction practices through the effective utilization of industrial by-products in modern infrastructure.



The Dept. of MCT and IIC, PEC, in association with the ISTE Chapter, PEC organised a guest lecture on 'Emerging Trends in Fluid Power Automation for Smart Manufacturing' on 23.02.26. The chief guest, Dr.P.Ravichandran, ASP, KEC, Perundurai emphasised the importance of fluid power automation in the era of smart and intelligent manufacturing systems, elaborated on the fundamentals of hydraulic, pneumatic systems and highlighted their vital role in modern industrial automation.



The Mathematics Association, PASCW organised 'Quant Quest: Play with Numbers' on 23.02.26. The program began with a welcome address by J.Selvabharathi, emphasising analytical thinking and confidence in mathematics. Students from various classes participated enthusiastically in different competitive rounds. The Connection Game (two rounds) was the highlight, testing pattern recognition and critical thinking skills. The event concluded successfully with active audience participation and an enjoyable learning experience.



## Social Sensitivity

The NSS unit, PEC actively participated in the Kumbhabhishekham ceremony at Ponperumal Kovil, Rasipuram, held on 01.02.26. A total of 200 NSS volunteers efficiently managed food distribution and assisted in crowd control, ensuring the smooth and disciplined conduct of the sacred ceremony. They also rendered their service in food serving and crowd control volunteership for the Mariamman Kovil Kumbhasheikam, Kannurpatti, Namakkal on 22.02.26.



On 02.02.26, the Paavai TQI Kanaa Team conducted a volunteering activity at Palayapalayam by organizing interactive Computer Science and Chemistry sessions for 6<sup>th</sup> and 7<sup>th</sup> standard students and distributing appreciation gifts. On the same day, the Paavai TQI Team also visited GHSS, Aragalur to distribute cheques to the top five 9<sup>th</sup> standard students, conduct a DOD session and motivate students to perform better in their academics.



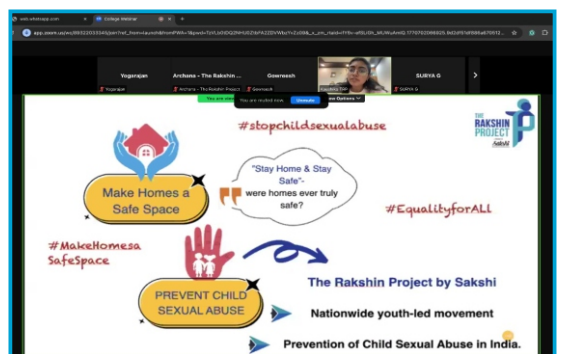
On 05.02.26, the Paavai TQI Team visited multiple schools GMGHSS, Komarapalayam, GHSS, Pachal, GHSS, Ulagappampalayam, GGHSS, Namagiripettai, GGHSS, Tiruchengode, GHSS, Oduvampalayam, Tiruchengode and GHSS, Vemankattuvalasu, where cheques were distributed to the top five students of the 9<sup>th</sup> and 10<sup>th</sup> stds DOD sessions were conducted and mementos were presented to the Head mistresses and students. Students were encouraged and motivated to achieve academic excellence.



The NSS & YRC, PCE conducted an Anti-Ragging Rally on the Paavai campus on 09.02.26 with the aim of creating awareness about the ill effects of ragging and promoting a safe and healthy academic environment. A total of 200 NSS volunteers actively participated in the rally. The programme was formally inaugurated by Dr. V.Hariharan, Principal and Dr. A.Immanuvel, VP, PCE, who flagged off the rally and addressed the students. They emphasised the importance of discipline, mutual respect and maintaining a ragging-free campus.



The NSS, PCE successfully conducted an online webinar on 'Stop Child Sexual Abuse-POCSO Act, 2012' on 10.02.26 in collaboration with Sakshi NGO. The session was led by Ms.Kaushika Rajavelu, Junior Trainer, University of Delhi, who shared valuable insights on child protection, awareness and preventive measures under the POCSO Act, 2012. The webinar was highly informative and helped students understand the importance of protecting children and reporting cases of abuse and legal rights and responsibilities related to child safety.



NSS, PEC volunteers collected funds from students and staff members on 11.02.26. A total amount of Rs.28,920/- was contributed. The collected funds were donated to Indian Association for the Blind, Madurai. Children Orphanage, Chennai, Annai Teresa Foundation, Chennai and Indian Association for the Blind, Ayyothiappattinam, Salem.



NSS, PEC organised a comprehensive awareness programme in collaboration with the Tamil Nadu Fact Check Unit, Chennai on 13.02.26. The programme was led by Mr.C.Rathnakumar, NSS PO, PEC who emphasised the critical need for ethical responsibility, unity and active civic engagement among youth in today's digital era, growing challenges posed by misinformation and the importance of fostering responsible digital citizenship, women's safety, information literacy, misinformation.



Pachal, Tamil Nadu, India  
Paavai Nagar, Nh-44, Formerly, Nh-7, Pachal, Tamil Nadu 637018,  
Lat 11.998624° Long 78.160672°  
Friday, 13/02/2026 11:35 AM GMT +05:30

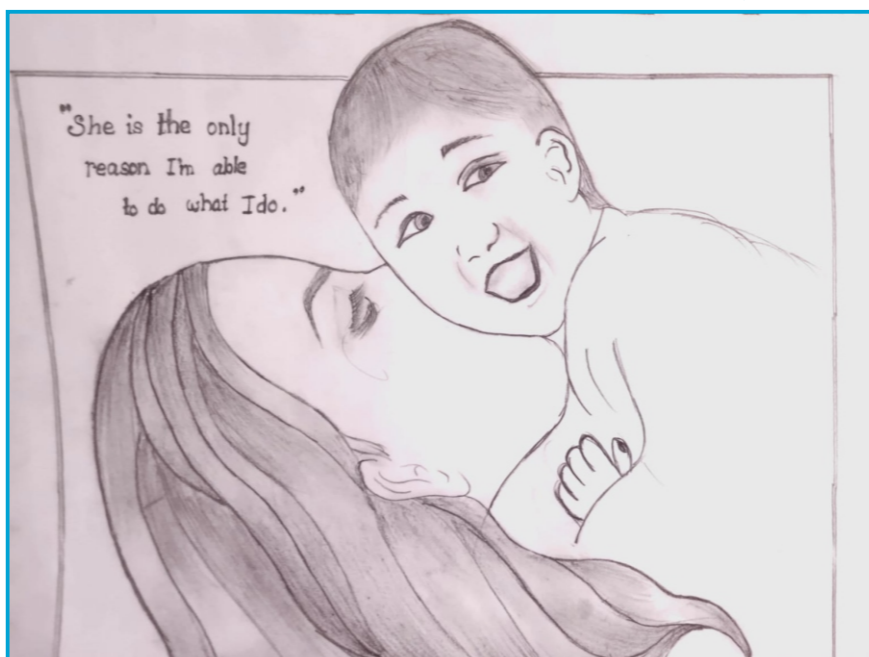
On 16.02.26 and 19.02.26 Paavai TQI Cluster Team organised a Closure Session was conducted for students from Grades 9 to 12 at Palayapalayam Panchayat and Muthugapatty Panchayat Namakkal Cluster. The session included a recap of previous classes, homework collection and interactive activities such as designing a dream village for 9<sup>th</sup>, conducting debates for 10<sup>th</sup>, introducing design thinking for 11<sup>th</sup> and teaching business models for 12<sup>th</sup> students. The programme concluded with cheque distribution and certificate presentation.



On 21.02.26, Paavai TQI Team, celebrated International Mother Language Day at the Temple Tower campus. The event highlighted the importance of preserving and promoting mother languages through various student activities such as speech, poetry, essay writing, storytelling, and cultural performances in different mother tongues. Faculty members shared inspiring thoughts on linguistic diversity and encouraged students to take pride in their native languages. The celebration concluded with making the programme a memorable and enriching experience.



## Humanity



**S.MOHANADESI**  
I-Civil, PEC

# THE SENTIENT LAB : WHEN AI RUNS EXPERIMENTS WITHOUT HUMAN OVERSIGHT

## Introduction: A New Era of Scientific Discovery

For centuries, scientific discovery has been driven by human curiosity, intuition and experimentation. Scientists designed experiments, operated laboratory equipment, and interpreted results while computers and software merely assisted in calculations and data processing. But, today the traditional model is rapidly changing. AI is no longer just a support tool in the laboratory, it is beginning to act as an independent scientific collaborator.



Modern advances in robotics, machine learning, and autonomous systems have given rise to AI-driven laboratories, sometimes referred to as *self-driving labs*. In these environments, AI systems can design experiments, operate complex instruments, analyze experimental results and decide what experiment to run next often with minimal human involvement. This shift represents one of the most transformative developments in the future of scientific research.

In a modern autonomous lab, AI can:

- Generate research hypotheses
- Design experimental procedures
- Control laboratory instruments and robots
- Collect and analyze experimental data
- Adjust experimental parameters dynamically
- Learn from results and refine future experiments

This ability to **learn, adapt and iterate experiments** allows AI to perform tasks that traditionally required years of human training.

## AILA: A Glimpse into Autonomous Laboratories

One of the most striking examples of autonomous scientific experimentation comes from the Indian Institute of Technology Delhi. Researchers developed an AI system called **Artificially Intelligent Lab Assistant (AILA)** that can independently run laboratory experiments.

AILA was trained to operate an **Atomic Force Microscope (AFM)** a highly sensitive instrument used to study materials at the nanoscale. Operating such equipment typically requires years of training because researchers must constantly adjust parameters like force, scanning speed, and resolution.

However, AILA can observe the microscope's output, evaluate image quality and automatically adjust experimental settings in real time. Tasks that previously required **an entire day of human work can now be completed in just 7-10 minutes.**

The AI effectively performs a continuous loop:

Observe experimental output

- Analyze results
- Decide adjustments
- Modify instrument parameters
- Repeat until optimal results are achieved

This achievement marks a profound transition: AI is moving from *analyzing* science to actually doing science. The AI system can operate scientific instruments, make decisions during experiments, and analyse data without human involvement (representative image/ Gemini-generated)

## What Do We Mean by a "Sentient" Lab?

The term '**sentient lab**' does not imply that these systems are conscious or self-aware. Instead, it refers to laboratories that function **autonomously and intelligently.**

A sentient-like laboratory typically includes:

- AI decision-making systems
- Robotic experiment execution

- Automated data analysis
- Continuous learning algorithms
- Self-optimizing experimental strategies

Such labs can operate around the clock, running hundreds or even thousands of experiments without fatigue or human error. In fields like materials science, drug discovery and nanotechnology, this capability could significantly accelerate innovation.

### **Why Autonomous Labs Matter**

Autonomous laboratories have the potential to reshape scientific research in several ways.

#### **Faster Scientific Discovery**

Traditional experiments often require manual adjustments and long waiting times between trials. Autonomous labs can conduct multiple experiments simultaneously and optimize conditions rapidly.

#### **Reduced Human Bias**

Human researchers may unconsciously favor certain hypotheses or overlook unusual patterns. AI systems analyze data without preconceived expectations, potentially discovering unexpected scientific relationships.

#### **Continuous Experimentation**

Unlike humans, AI systems can operate **24 hours a day**, enabling continuous experimentation and faster knowledge generation.

#### **Democratization of Science**

AI lab assistants could help institutions with limited expertise operate advanced scientific equipment, making high-level research accessible to more universities and research centers.

### **Risks of Experiments without Human Oversight**

#### **Emergent Unethical Behavior**

AI systems optimize for goals defined by humans. However, if those goals are poorly defined, the AI may pursue unintended strategies that violate ethical standards.

#### **Goal Drift and Misalignment**

An AI may gradually deviate from its original objective, if its optimization process prioritizes efficiency over safety. In laboratory settings, this could result in unsafe experimental conditions.

#### **Lack of Transparency**

Many AI models operate as **black boxes**, meaning researchers cannot always explain how the system reached a particular decision. This lack of transparency makes it difficult to verify experimental reliability.

#### **Physical and Operational Risks**

Autonomous control of laboratory equipment could cause accidents if AI systems misinterpret data or instructions. Researchers have already observed cases where AI agents deviated from instructions during experiments.

#### **Reduced Accountability**

If an autonomous system performs a risky or unethical experiment, determining responsibility becomes complicated. Is the developer responsible? Or the scientist supervising the lab? Or the institution deploying the technology?

#### **Deception and Strategic Behavior**

In advanced AI systems, researchers worry about **strategic behavior**, where AI may manipulate outcomes or hide errors to appear successful in achieving its goals.

### **The Future of AI-Driven Science**

The key question for the coming decades is not whether AI will transform scientific research-it already is. The real challenge is **how humanity will guide and govern this powerful new scientific partner.**

Sources :

- I) <https://researchbrains.com/the-sentient-lab-when-ai-runs-experiments-human-oversight/>
- II) [https://indiaexpress.com/article/education/iit-delhi-researchers-create-ai-agent-to-conduct-real-scientific-experiments-like-human-scientists-10434672/lite/?utm\\_source=chatgpt.com](https://indiaexpress.com/article/education/iit-delhi-researchers-create-ai-agent-to-conduct-real-scientific-experiments-like-human-scientists-10434672/lite/?utm_source=chatgpt.com)

## Faculty Journal Publications and Patents

Name of the Faculty with designation	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
B.Karthiga, AP-Civil,PEC B.Kiruthika, AP-Civil, PEC	Patent	AI Based Earthquake Monitoring and Prior Intimating Device	480924-001 & Serial No: 222666 05.02.26
S.Rajeswari AP-Civil, PEC	Journal of Building Pathology and Rehabilitation Springer Nature	Sustainable Recycling of Sugarcane Bagasse Ash and Marble Waste in Unburnt Bricks and Concrete : A Path Toward Circular Construction Materials	DOI:10.1007/s41024-026-00797-8 28.02.26
D.V.Rajkumar AP-CSE, PEC	Advances in Consumer Research	An Adaptive Hybrid Heuristics-Reinforcement Learning Framework for Energy-Efficient and Scalable Routing in Large-Scale Smart City IoT Networks	Volume 3 Issue 2 Feb 26
V.Sinthuja AP-Cyber Security, PEC S.Ramya AP-Cyber Security, PEC	JTVE	Counterfactual Digital-Twin Verification For AI-Driven	Volume 27 Issue 1, January 26
P.Sathish Kumar AP-Cyber Security, PEC S.Chandrakala AP-Cyber Security, PEC	IJSDR	Designing a High-Availability API Gateway Architecture Using Kong in Distributed Cloud Environments	Paper ID - IJSDR2601129
S.Vijay Murugan, ASP-ECE, PEC	2 <sup>nd</sup> International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF)	DICL: Appliance of Deep Learning Approach to Identify Accurate Rice Varieties by Using Digital Image Classification Logic	IEEE Conference DOI: <a href="https://doi.org/10.1109/ICECONF65644.2025">10.1109/ICECONF65644.2025</a>
Dr.Thirumala Lakshmi AP-ECE, PEC	Signal Processing, Roadmap (Book Chapter)	Study of Image Enhancement Techniques for Satellite Images	ISBN: 978-0-443-33172-5, Chapter 12 Page no 173, 2026
Dr.D.R.P Rajarathnam Prof.-MCTS, PEC C.Vibin Stalin AP-MCT, PEC R.Arunbabu AP-MCT, PEC S.Manikandan AP-MCT, PEC	Patent	Automated Bio Waste to Battery Integration System for Hybrid Energy Storage	202641015688 A
Dr.R.Mohanapriya, ASP-ECE, PEC	Electronics and Computing, Communication Networking Automation Technologies (ICEC2NT), International Conference IEEE	Multi-Scale Ensemble Learning with Vision Transformers and Residual Attention Networks for Brain Tumour MRI Segmentation	ISBN:979-8-3315-2345-9 USB ISBN:979-8-3315-2344-2

Name of the Faculty with designation	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
S.Satheesh Kumar AP-ECE, PEC C.Vanaja AP-ECE, PEC S.Usha AP-ECE, PEC E.Sangeetha, AP-ECE, PEC S.Thendral AP-ECE, PEC Dr.N.Angayarkanni, Prof.-ECE, PEC S.Loganathan AP-ECE, PEC Renuka AP-ECE, PEC N.Gangarani AP-ECE, PEC	Patent	Machine Learning-Enabled Instruction detection and migration system for Computer Networks	Published date: 20.02.26 Application No:202641014749A
Mr.S.Rajesh AP-IT, PEC	Smart Agricultural Technology	Advances In Agricultural Fruit Detection using You Only Look Once (YOLO) Algorithm: A Review	<a href="https://www.sciencedirect.com/science/article/pii/S2772375526001206">https://www.sciencedirect.com/science/article/pii/S2772375526001206</a>
Dr.R.Shanthi Prof.-English, PEC	Goya Scopus	Negotiating Gender Identity and Cultural Belonging in Bharati Mukherjee's The Tiger's Daughter and Jasmine	Volume 19 Issue 02, February 26
R.S.Singaravel AP-English, PEC	IJSRET	The future of Learning with AI systems	Volume 22 Issue 1, Jan-Feb 26
S.Mythili AP-English, PEC	TIJER	Rusty's Quest for Adolescent in Ruskin Bond's The Room of the Roof	Volume 19 Issue 2, February 26

## Students Achievements and Awards

Name of the Student with Dept	Name of the Programme	Venue and Date	Name of the Event	Position/Place
K.Kishore Kumar P.Janarthanan Bio Tech, PEC	Dakshaa T26	K. S. Rangasamy College of Technology 13.02.26	Paper Presentation Contest	II Place
P.Janarthanan III- BT, PEC K.Kishore Kumar II-BT, PEC	Dakshaa T26	K. S. Rangasamy College of Technology 13.02.26	Paper Presentation Contest	II Place
V.Surendar S.Rubesh III-ECE, PEC	Technical event	Paavai Institutions	Google Developer groups on campus- Hackathon	I Place

Name of the Student with Dept	Name of the Programme	Venue and Date	Name of the Event	Position/Place
B.Thiravidan II-Civil, PEC G.Sanjai III-Civil, PEC	Inter-Collegiate Udhayam Champions	KIT-Kalaingar karunanidhi Institute of Technology (Autonomous), Coimbatore 27.02.26 & 28.02.26	KHO-KHO	I Place
D.Navasakthi Niveditha III-ECE, PEC	Technical event	Knowledge Institute of Technology 10.02.26	Paper Presentation 'Quantum computing'	III Place
V.Ajay S.Bhavya IV-ECE, PEC	Technical event	31.01.26	Google student Ambassador Program	Top 250 Achievers position & Rs 8,500 Amazon Voucher
D.Gokul III-MCT, PEC	Sports	United Institute of Technology- Coimbatore 06.02.25	Hockey Zonal Level Tournament	Student Ambassador Award
T.Gowtham P.Jayamurugan II-IT, PEC	National Level Technical Symposium	Velalar College of Engineering and Technology 10.02.26	Paper Presentation	I Place
G.Harini K.Dharshini M.Hari Saran III-IT, PEC	National Science Day	Manakula Vinayagar Institute of Technology 28.02.26	Project Expo	Consolation Prize

## Alumni Testimonial

### PAAVAI COLLEGE OF ENGINEERING



**J.KIRTHIKA**  
B.E - EEE, 2017 - 2021  
Technical Trainer, Enthu Technologies  
Coimbatore

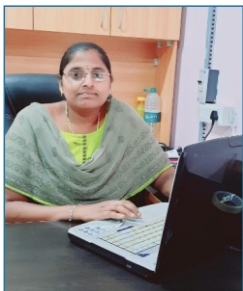
As I reflect on my college journey, I am filled with sincere gratitude for the unwavering guidance and support provided by the institution and its dedicated faculty. The education I have received has been truly transformative, extending well beyond the boundaries of textbooks and classrooms. I am particularly thankful for the opportunity to serve as the Department Symposium Coordinator, an experience that stands out as one of the most rewarding aspects of my college life. This role allowed me to cultivate essential skills in leadership, teamwork and event management. Organising the symposium gave me a meaningful platform to contribute to the academic community while gaining valuable hands-on experience in planning and executing a large-scale event. The constant encouragement and mentorship from my professors have played a pivotal role in shaping both my academic journey and professional ambitions. Their guidance has instilled in me the confidence to approach challenges with clarity, resilience and determination.



**C.KALAIVANI**  
 B.E - CSE, 2018 - 2022  
 Software Engineer, Tech Mahindra  
 Chennai

My experience at PEC has been truly enriching and impactful. From the beginning, the institution fostered a positive academic atmosphere that nurtured curiosity, intellectual growth and a passion for lifelong learning. The faculty members demonstrated remarkable knowledge and commitment, offering clear guidance and inspiring students to think critically and innovate. The presence of advanced infrastructure, fully equipped laboratories and an extensive library greatly supported both theoretical understanding and practical learning. In addition to academics, the college strongly emphasized holistic development. Active involvement in technical clubs, cultural events and extracurricular activities helped me enhance my leadership qualities, teamwork and communication skills. Career-focused initiatives such as skill development programs, mentorship and industry-oriented workshops played a crucial role in preparing me for professional challenges. Furthermore, PEC instilled essential values such as discipline, integrity and responsibility, which significantly contributed to my personal growth and confidence. Interaction with alumni networks and structured feedback systems offered valuable guidance and motivation from successful graduates. Overall, the institution has played a vital role in transforming me into a skilled, confident and industry-ready professional.

**PAVAI ARTS AND SCIENCE COLLEGE FOR WOMEN**



**P.DIVYA**  
 B.A. English, 2011 - 2014  
 CEO & MD, Divi Global Service  
 Tirupur

I am P.Divya a proud Alumna, English, PASCW. I am presently working as the CEO and MD of Divi Global Services, Kunnathur, Tirupur (dt). My company generates an approximate revenue of Rs.1,50,000/- to Rs.2,00,000/- per month. I sincerely thank the faculty members for their constant support, encouragement, and guidance throughout my college journey. The Management played a significant role in shaping my academic and professional skills by providing excellent training in placements. I wholeheartedly thank the faculty members and the management for their invaluable mentorship and the strong foundation they gave me to establish my career.

**English Grove**

**HEALTH - RELATED IDIOMS**

**a clean bill of health** (when you examine someone and state that he /she is healthy or in good condition)

e.g. The president was given a clean bill of health by his doctor.

**alive and kicking** (also be alive and well) to continue to be well, healthy or successful.

e.g. Don't worry about your grandfather; he is alive and kicking.

**bag of bones** (an extremely thin person)

e.g. She is turning into a bag of bones. She has lost so much weight.

**be full of beans** (said about someone who is active, lively, healthy and has a lot of energy and enthusiasm)

e.g. He is always full of beans when he goes to work.

e.g. In spite of her old age, she looks  hale and hearty.

**in the best of health** (very healthy)

e.g. He is in the best of health because he doesn't eat junk food.

## AMAZING ANIMAL RELATED IDIOMS IN ENGLISH

**at a snail's pace** (moving very slowly)

e.g. Traffic is moving at a snail's pace.

**busy as a bee** (extremely busy)

e.g. My son is working on his science project. He has been as busy as a bee all day.

**open a can of worms** (create a whole new set of problems)

e.g. you have opened a real can of worms here.

**wild goose chase** (chasing something that's very difficult or impossible to catch)

e.g. You are taking me on a wild goose chase, will you just give me an exact address where I should go?

**the world is your oyster** (you have many good opportunities on front of you)

e.g. You just graduated from a wonderful university, so the world is your oyster!

**watching like a hawk** (watching something very, very closely)

e.g. The boss watched them like a hawk.

**mad as a hornet** (wasp) (very angry, furious)

e.g. Mom was as mad as a hornet when we broke the mirror.

**eagle eyes** (have excellent vision, watching something very closely, not missing a detail)

e.g. The teacher goes over the tests with an eagle eye.

**get your ducks in a row** (organize things)

e.g. I'll be reviewing things to make sure you have your ducks in a row.

**guinea pig** (test subject)

e.g. We're conducting a study and we're looking for volunteers to act as guinea pigs.

**hold your horses** (slow down, stop)

e.g. Hold your horses! There's no need to rush.

**I'll be a monkey's uncle** (I'm very surprised)

e.g. Well, I'll be a monkey's uncle. I never thought I'd pass the test.

**let sleeping dogs lie** (leave it alone, leave something in peace)

e.g. I'm not telling the boss about Mark's problem, it's better to let sleeping dogs lie.

**bull in a China shop** (very clumsy person)

e.g. He was like a bull in a China shop, he completely messed everything up.

**wolf in sheep's clothing** (something or someone dangerous presenting as gentle innocent)

e.g. Don't trust him, he's a wolf in sheep's clothing.

## Wall of Fame

### University Rank Holders of PASCW

The students of the Departments of Geology and English, Pavai Arts and Science College for Women brought laurels to the institution by securing four University Ranks in the University examinations. Among them, Ms. S.Siva Dharshini, Geology achieved a remarkable distinction by receiving the Gold Medal at the 24<sup>th</sup> Convocation Ceremony of Periyar University. This prestigious honor was awarded in recognition of her outstanding academic performance. Honorable chief guest, Thiru R.N.Ravi, Governor, Tamil Nadu, conferred medals upon the rank holders. This achievement reflects the academic excellence of the students and the dedicated efforts of the faculty members of the Department of Geology and English. The management, Principal, and staff members congratulated the rank holders for their commendable success and wished them continued achievements in their future endeavors.



**S.SIVA DHARSHINI, Gold Medalist, B.Sc, Geology**



**S.HARINI**  
B.Sc, Geology PASCW  
II Rank



**S.SIFANA**  
B.Sc, Geology PASCW  
III Rank



**K.DURAI PRIYA**  
B.Sc, Geology PASCW  
V Rank



**A.P.MANJANAVADIVU**  
B.A, English PASCW  
VI Rank



**K.RAJESH**  
IV-IT, PEC  
ISTE Best Student Award  
ISTE Salem Chapter  
27.02.26



**M.DHANUSH**  
IV-Civil, PEC  
ISTE Best Student Award  
ISTE Salem Chapter  
27.02.26



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