



# PAAVAI

EDUCATIONAL INSTITUTIONS

Think Education... Think Paavai.

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

# PAAVAI VOICE

OCTOBER - 2024

A MONTHLY BULLETIN

## Chairman's message

Dear parents and students,  
Greetings from your Chairman,

October holds special importance for educators as it marks the birth anniversary of Dr.A.P.J. Abdul Kalam, India's *Missile Man* and a visionary leader. Dr. Kalam believed in the transformative power of education and often spoke of the vital role teachers' play in moulding young minds. His life and work inspire us to embrace curiosity, innovation, and dedication in our teaching practices. Let us honour his legacy by committing ourselves to the pursuit of knowledge and by instilling a love for learning in our students.

Students can draw strength and guidance from the profound teachings of *Avvaiyar's Aathichoodi*. Its verses emphasize virtues such as honesty, discipline, humility, and perseverance, qualities that are essential for guiding students toward a path of wisdom and righteousness. B.Ed. program inaugurated is not merely an academic course but a transformative experience designed to prepare future educators to meet the demands of a rapidly evolving world. The accompanying induction program provides a platform for students to understand the institution's ethos and build a strong foundation for their academic journey. It fosters a sense of belonging, collaboration, and purpose.

Science and Technology drive shape modern society by enhancing our understanding of the world. They provide solutions to complex problems in areas like medicine, energy and communication. Technological advancements often rely on scientific discoveries to improve efficiency and effectiveness. With rapid progress, new technologies continuously transform industries and daily life. Ultimately, science and technology play a pivotal role in advancing human knowledge and quality of life.

As you embark on your college journey, embrace every opportunity to learn, grow, and challenge yourself. Stay curious, ask questions, and engage with your professors and peers to broaden your perspectives. Time management and discipline are key to balancing academic and personal responsibilities. Remember, your college experience is not just about earning a degree, but also about discovering who you are and shaping your future.

I encourage every student and faculty member to uphold the values that define our institution: dedication, integrity, and commitment to excellence. Together, let us work toward creating a vibrant learning environment that empowers educators to lead with vision and compassion.

Warm regards,

**Chairman**

## அவ்வையின் ஆத்திச்சூடி; அகவாழ்வுக்கோர் அரிச்சுவடி

பாவை கல்வி நிறுவனங்களின் தமிழ் மன்றம் சார்பாக 10.04.2024 அன்று 'அவ்வையின் ஆத்திச்சூடி; அகவாழ்வுக்கோர் அரிச்சுவடி' என்ற தலைப்பில் பாவை பொறியியல் கல்லூரி மாணவர்களுக்கு சொற்போர் – இறுதிச்சுற்று 'பிரகதி அரங்கத்தில்' நடைபெற்றது. இந்நிகழ்விற்கு பாவை கல்வி நிறுவனங்களின் நிறுவனர் தலைவர் திரு CA N.V. நடராஜன் அவர்கள் தலைமையேற்று தலைமையுரையாற்றினார். அவ்வூரையில் தமிழ் மொழியின் சிறப்புகள் குறித்து சில கருத்துக்களை வழங்கினார். தமிழ் மொழியை நாம் வளர்க்கவில்லை, தமிழ் மொழிதான் நம்மை வளர்க்கிறது என்று கூறினார். மேலும், நம் கல்லூரியில் தொழில்நுட்பத்தை தமிழ் மொழியோடு இணைத்து ஆர்வத்தோடு கற்பித்து வருகிறோம் என்று தலைமை உரையாற்றினார். இச்சொற்போர் நிகழ்விற்கு நடுவராக வருகைப் புரிந்த சிறப்பு விருந்தினர் அவர்களை நிறுவனர் தலைவர் அறிமுகப்படுத்தினார். 'கவிஞாயிறு' என அழைக்கப்படும் புலவர் பெ. பரமேசுவரன் அவர்கள் 38 ஆண்டுகள் தமிழாசிரியராக பணியாற்றியுள்ளார். சென்னையில் அமைந்துள்ள மணலி தமிழ் கல்லூரியில் பயின்று, பட்டிமன்றங்கள் கவியரங்கங்களில் சிறப்பாக பங்காற்றியுள்ளார். தமிழ் இலக்கண நூல்களான தொல்காப்பியம், நன்னூல் போன்றவற்றை ஆசிரியர் பலருக்கு கற்பித்துள்ளார்.

தான் வாழும் பகுதியில் வீற்றிருக்கும் மாரியம்மனுக்கு 'இராசிபுரம் எல்லை மாரியம்மன் பிள்ளைத்தமிழ்' என்ற இலக்கிய நூலினை உருவாக்கி, 'கூட்டாஞ்சோறு' என்ற நூலினையும் இயற்றி கவி விருந்தினைப் படைத்துள்ளார். சிறப்பு விருந்தினர் புலவர் வெ. பரமேசுவரன் அவர்கள் பாரதியின் குயில் பாட்டினையும், பிள்ளைத்தமிழ் இலக்கியம் பற்றியும் உரை நிகழ்த்தினார். இவ்வண்ணம் மாணவர்களுக்கான சொற்போர் இனிதே தொடங்கியது. 19 மாணவ மாணவியர் தங்கள் சொற்போர் ஆற்றலை அழகாக வெளிப்படுத்தினர். 500 மாணவர்கள் பார்வையாளராக பங்கேற்றனர். சிறப்பு விருந்தினர் அவர்கள், போட்டியில் வெற்றி பெற்ற மாணவர்களின் திறமையினைப் பாராட்டி பரிசினை வழங்கினார். பாவை கல்வி நிறுவனங்களில் தாளாளர் திருமதி மங்கை நடராஜன் அவர்கள் சொற்போரில் பங்குபெற்ற மாணவர்களின் திறமையைப் பாராட்டி மேன்மேலும் வளர வாழ்த்துரை வழங்கினார். இத்துடன் சொற்போர் நிகழ்வானது தேசிய கீதத்துடன் நிறைவுற்றது.



## INDUCTION PROGRAMME

Induction Programme for first year engineering students of PEC was conducted from 23.09.24 to 09.10.24. Shri. CA. N.V. Natarajan Chairman, PEI delivered the Inaugural Address and he stressed on the virtues of love, care and concern for our fellow beings. Smt. Mangai Natarajan, Correspondent, Paavai Educational Institutions, insisted the newcomers to shoulder responsibilities and making optimal use of college life while at Paavai. She focused on the Paavai Mantra 'Own our Words and Deeds'.

After the inauguration, technical sessions were handled by Mrs.C.Jayalakshmi, Dean Counseling, Dr.M.Premkumar, Principal, PEC, Dr.B.Murali Babu, CoE, Dr.K.Selvi Dean Academics, PEC, Dr.A.Hepsi Rachel Chellarani Principal, PCNR, Dr.N.Ezhili, Principal, PASCW, Dr.K.Sundaramurthy, Head, IQAC, Dr.R.Thamariselvan, Head, Placement and Training, Dr. J.Murshitha Banu, Head, FDD,PEC, Dr.R.Shanthi, HoD/English, PEC Dr.D.Bhanumanthy, HoD/CSE,PEC, Dr.R.Mohanapriya,ASP/ECE,PEC, Mrs.R.Pradeepa,ASP, Maths,PEC, Mrs.Uma,ASP,Maths,PEC, Mrs.C.Manjula,ASP,Maths,PEC, Dr.V.Subburam,Professor,Mech,PEC, Mr.M.D.S.Rajaruban,AP,FoodTech,PEC Mr.Radhakrishnan, Senior Grade AP, English, PEC, Dr.E. Kamalasekar ASP, PPSC G.Ravikumar(Japanese), and Mr. Elavarasan Yoga trainer on the topics such as 'Goal Setting', 'Transition from School to College', 'Paavai Culture', 'Achievements of Paavai', 'Autonomous Rules and Regulations', 'Biomimicry', 'Beauty of Mathematics', 'Career Opportunities', 'Be Liberated ,Be happy', 'Be Fluent', 'ICT Tools for Learning', 'Time Management', 'Life Saving Skills', 'Foreign Language', 'Sharing Experiences of Paavai' and 'Yoga'.

Shri.CA.N.V.Natarajan Chairman, Paavai Educational Institutions delivered his speech on the title 'Goal Setting'. In his session, first and foremost, he interacted with the students about the need of the Goal Setting Programme. He quoted Abdul Kalam sir's important message during his visit to Paavai – 1. Aim before age 20, 2. Acquire Continuous Knowledge, 3. Hardwork and 4. Perseverance. He advised students to abide by the same. He defined goals and explained the importance of preparation to accomplish their goals. He correlated his life incident of setting a goal at the age 17 and how he could make that come true through hard and smart work. He emphasized the importance of setting a goal and elaborated the seven important points for Goal setting. Further he explained what happens when students proceed without setting goals for their future. He expounded on fixing 'SMART' goals which will propel students towards success. He elucidated the seven steps for goal setting and also instructed everyone to create a vision of who they want to be in the next ten years. He listed the six components to sustain victory namely genuine goals, right pathway, constant and continuous effort, hard and smart work, high discipline and faith in God. He also narrated compelling stories of two friends, one of them who had high resources but because of lack of goals faced total failure in the end. The other friend who through his goals and persistent hard work was crowned with glory and success in the end. Finally, He concluded by stating that, set your goal, shape your future and be a winner always.



Dr.K.Selvi, Dean Academics, delivered her speech on 'Paavai Culture'. She explained the Paavai Mantra, Principles, Belief and Code. She detailed about classroom behavior and the principles which should be followed in Paavai. She strongly imposed the culture to be followed strictly on and off the college campus. Dr.M.Premkumar, Principal, PEC spoke on the topic "Achievements of Paavai". He highlighted the awards, recognitions clinched by the students and the faculty members. Mrs.C.Jayalakshmi, Dean Counseling, Paavai Institutions delivered her speech on 'Transition from School to College.' She said that change is a stressful experience for any one. But for those who have prepared themselves mentally, nothing is difficult. Mrs.Pradeepa ASP, Mathematics, PEC, Mrs.Uma, ASP, Maths, PEC and Mrs.C.Manjula, ASP, Maths, PEC elaborated the topic, 'Beauty of Mathematics'. In their session, they beautifully explained how mathematics plays an important role in day to day life. TDr.J.MurshithaBanu, Head, FDD, Dr.R.Shanthi, HoD, English, PEC, Mr.Radhakrishnan, Senior Grade AP, English, PEC elaborated the essence of 'Be Fluent'. They acquainted the students with the skills of English language such as Listening, Speaking, Reading, and Writing. They gave tips to improve one's Communication skills. In this Session, the students came to know about the importance of English.

Dr.D.Bhanumathy, CSE, HoD, PEC, delivered on the title 'Be liberated, be happy'. In this session, she made everybody to relax and created a stress-free environment. They showed various videos on stress management. Dr.K.Sundaramurthy, Head, IQAC Dr.V.Subburam, Professor, Mechanical, PEC and addressed the students on 'Time Management'. In their session, they clearly explained about the importance of time and the necessity to manage time for the students to achieve their goal within a stipulated time. Dr.B.Muralibabu, COE, PEC spoke on the title "Autonomous Rules and Regulations". He briefly discussed about the rules and regulations of Paavai and he gave enumerated the rules of the examination system to the students. Dr.N.Ezhili, Principal, PASCW in her topic entitled 'Biomimicry' explained Biomimetics which is the practice of drawing inspiration from nature to solve human problems. Dr.R.Mohanapriya, ASP, ECE, PEC, and Mr.M.D.S.Rajaruban, AP, Food Tech, PEC elaborated on the significance of 'ICT Tools for Learning'. They pointed out the difference between traditional learning and ICT learning resources. Dr.R.Thamaraiselvan, Head Paavai Educational Institutions delivered his speech on 'Career Opportunities'. He described how to choose a career with clear knowledge. He described clearly about grooming skills, problem solving skills and communication skills.

Dr.A.Hepsi Rachel Chellarani Principal, PCNR, and Dr.E. Kamalasekar ASP, PPSC, delivered their speech on 'Life Saving Skills'. They shed light on life saving skills which are essential for students wherein they learn how to respond to emergency like snake bites, fainting and heart attacks. Mr.Ravikumar Japanese Trainer, PEC, highlighted the importance of Japanese language. His session was very informative and enjoyable. Mr.Elavarasan Yoga trainer, Paavai Educational Institutions demonstrated the benefits of various asanas and yoga exercises. He instilled the young minds to stay fit and healthy to have a successful life. Around seventeen topics were handled for six days. Some of the students recorded their feedback. Totally 1 61 4 students benefitted from this programme.



# AYUDHA POOJA CELEBRATION 2024



## Dr.ABDUL KALAM'S BIRTH DAY

In commemoration of the birthday of Dr. A.P.J. Abdul Kalam sir, the Department of Civil Engineering organized a series of events to celebrate his remarkable legacy and inspire students. The festivities began with a Drawing Competition on 14.10.24, followed by a Tribute Ceremony and Debate on 16.10.24. The Tribute Ceremony on by Shri C.A. N.V. Natarajan, Chairman, Paavai Educational Institutions, who highlighted the significance of Dr.Kalam's values and vision. Smt. Mangai Natarajan, Correspondent, Paavai Educational Institutions, offered her felicitations to the gathering, further motivating the students and faculty members.

A meaningful moment during the ceremony was the Oath Taking session, where all the Principals, Deans, Heads, staff members, and Civil Engineering students came together to take a solemn oath in honor of Dr. Kalam's values and vision. This collective commitment to follow his ideals and contribute to the nation's progress added a profound sense of unity to the event. The theme for the Drawing Competition was 'Missile Man Kalam', encouraging students to creatively express their thoughts and ideas. A total of 90 students from the various department participated, and their drawings were evaluated based on creativity, relevance to the theme, and artistic skills.

The another event debate was conducted in afternoon in the title “ மக்கள் நாயகன் என திரு. கலாம் போற்றப்பட காரணம் - விஞ்ஞானி என்பதாலா? ஜனாதிபதி என்பதாலா? மனிதநேயர் என்பதாலா? ” Three teams participated in the debate, each comprising three members. The judging panel, headed by Dr. A. Immanuel, Vice Principal, Paavai College of Engineering and Prof.K.Sharmiladevi, HoD/Civil, along with Civil faculty members & A.Samundeswari, ASP/ECE and around 600 students attended the event. The winners, along with other participants, were awarded certificates during the Tribute Ceremony held on 16.10.24. The two-days celebration of Dr. A.P.J. Abdul Kalam's birthday was a resounding success. It provided students an opportunity to express their creativity, engage in intellectual debates, and reflect on Dr. Kalam's vision for India. The department received overwhelming participation and feedback from students, making it



## INAUGURATION OF B.Ed

The inauguration of the B.Ed. first year program was held on 16.10.24, at Brilliant Hall. The program began with a prayer song, followed by the lighting of the Kuthu Vilakku by the Chairman, Shri CA. N. V. Natarajan, and Smt. Mangai Natarajan, along with other dignitaries and students. Dr. K. K. Ramasamy, Director, Administration, extended a warm welcome to the gathering. The function commenced with the chanting of mantras, invoking blessings from the goddesses. The presidential address was delivered by the Chairman, Shri CA. N. V. Natarajan, who emphasized the qualities, roles, and responsibilities of a good teacher. He highlighted how Paavai College of Education empowers future teachers, emphasizing that teachers are second parents to their students. He urged educators to take on the responsibility of nurturing students' development at every level. Following this, the Correspondent, Smt. Mangai Natarajan, delivered her felicitation address, where she outlined the salient features and uniqueness of Paavai Institutions. The program concluded with the vote of thanks proposed by Dr. P. S. Venkatesan, Principal of Paavai College of Education.



## INDUCTION PROGRAMME

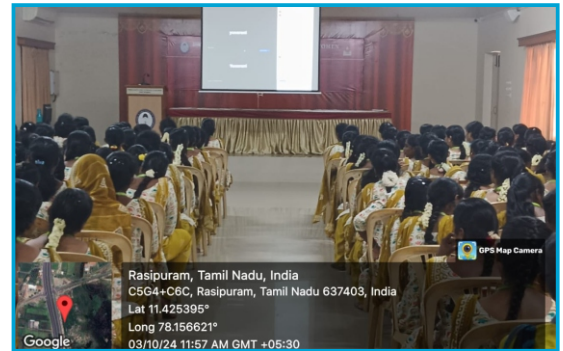
Induction Programme for the first year MBA, MCA and B.Ed students of Paavai Educational Institutions was held from 21.10.24 to 25.10.24 at Brilliant Hall. Shri.CA.N.V.Natarajan Chairman, Paavai Educational Institutions delivered the Inaugural Address in which cited the history of Paavai and said that Paavai was the result of a dream of a young student who through strenuous and persistent efforts established the Paavai Educational Institutions. He delivered his speech on the title 'Goal Setting'. In his session, first and foremost, he interacted with the students about the need of the Goal Setting Programme. Mrs.C.Jayalakshmi, Dean Counseling, Dr.K.Selvi Dean Academics PEC, Dr.M.Premkumar,Principal, PEC, Dr.B.Murali Babu, CoE, Dr.A.Hepsi Rachel Chellarani Principal, PCNR, Dr.N.Ezhili, Principal, PASCW, Dr.P.S.Venkatesan, Principal, B.Ed, Dr.K.Sundaramurthy, Head, IQAC, Dr.R.Thamariselvan, Head, Placement and Training, Dr. J.Murshitha Banu, Head, FDD,PEC, Dr.D.Bhanumanthy, HoD/CSE,PEC, Dr.R.Mohanapriya,ASP/ECE,PEC and Mr.Elavarasan Yoga trainer, were the eminent resource speakers for the programme. Around seventeen topics were handled for six days. Some of the students recorded their feedback. Totally 239 students benefitted from this programme.





## ACADEMIC EVENTS

On 03.10.24, Department of CS, PASCW, hosted a webinar on 'Data Visualization Techniques for Effective Decision Making'. Dr. R. Suganthi, Professor, Department of Computer Science with Data Analytics, Dr.N.G.P. Arts and Science College, Coimbatore was the guest of the webinar and she demonstrated how data visualization plays a critical role in various fields. Also the webinar highlighted the expert strategies for presenting complex data in a simple,



Department of MCTS, PEC, organized a guest lecture on 'Security Sensors & Automation for Residences' on 08.10.24. Mr. A. Tharun, Expert, INKA CASA Intelligent, Coimbatore, was the guest of the day and he explained how home automation is revolutionizing residential security through advanced technologies such as AI, smart sensors, and cloud-based systems. Further, he highlighted the convenience of automated lighting and smart locks.



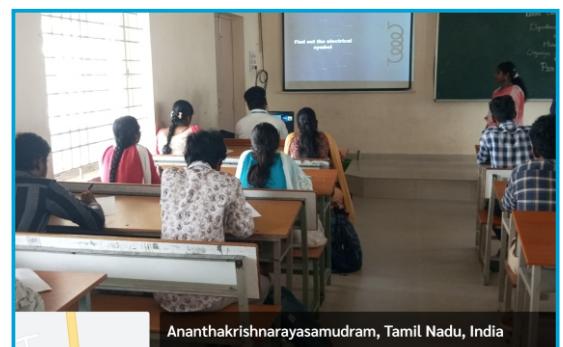
Department of ECE in association with IETE, PEC, organized a hands-on training session titled "Design of Analog and Digital Circuits" on 08.10.24. 200 II & III year students received the training on 'Circuit analysis and Simulation', 'Digital logic Design', 'Microcontroller programming', 'PCB design and fabrication'. Dr. T. Loganayagi, Professor, ECE, and Mrs. R. Bhuvaneshwari, Assistant Professor, ECE, organized this hands-on training session.



Department of CS and MCA, PEC, organized a guest lecture on 'Data Visualization and Analytics with Power BI' on 09.10.24. Mr. A. Mohammed Azarudeen, SDLC Technical Lead & Corporate Trainer, Coimbatore was the resource person and in his speech, he described how Power BI is a versatile tool that integrates both visualization and analytics, offering features for report creation and sharing via Power BI Desktop, Service, and Mobile.



Microbytes Innovation Club of MCTS, PEC, organized the 'Pick a Picture' event on 09.10.24. The event kicked off with a preliminary round followed by second and final rounds. In the final round, participants had to identify images shown in a PowerPoint presentation. Two students became victorious from the overall performance in the final round. The event came to a conclusion through felicitating the winners and runners by Dr. R. Arravind, Professor & Head, Aeronautical Engineering.



ECE, PEC, association with 'The Institution of Engineers' (India) organized a seminar on 'Business Intelligence and Cloud Platform services for IoT' on 09.10.24. Dr.K.K.Ramasamy, Director-Admin, PEI, presided over the event. Chief guest Dr. C. Ganesh, ASP, CC Engineering, Sri Eshwar College of Engineering, Coimbatore insisted on Cloud platforms such as AWS, Azure, and Google Cloud that provides the flexibility and global reach needed for seamless IoT operations.



PCNR organized an awareness campaign on 'It is time to prioritize mental health in the workplace,' in recognition of 'World Mental Health Day' on 10.10.24 at Manoraksha Mental Health Centre, Gajjalnaickenpatty, Salem. Dr. S. Mohana Venkatachalapathy, MBBS, D.P.M., Consultant Psychiatrist inaugurated the campaign and Prof. (Mr.) N. Loganathan, M.Sc (N), Department of MHN stressed the importance of coping strategies and workplace adaptation skills. 60 third-year B.Sc Nursing students took part and benefiting 40 patients and their family members.



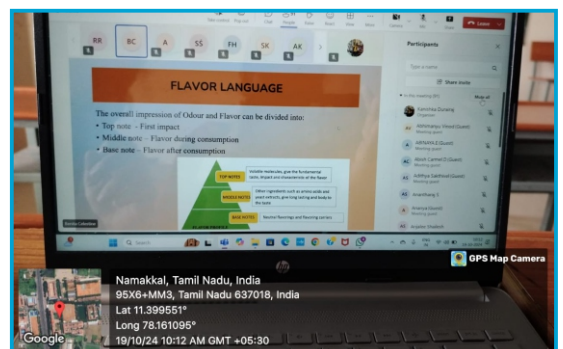
Department of ECE, PEC in association with Electronics Club organized a mini project expo 'Technova'24' on 15.10.24. 30 batches comprising of 180 students exhibited their projects. All the projects were evaluated by Dr. I. Rajendran, Dean, R&I, PEC and Dr. P. Pugalenth, ASP / Mech. Engg., PEC. The objective of the Expo was to bring out the talents of the students to address the real-time problems in Electronics.



Department of MCTS, PEC, organized an Alumni Guest lecture on 'Navigating the IT Job Market: Essential Skills and Career Strategies' on 16.10.24. Mr. B. Nithish Kumar, Software Development Engineer, M2P Fintech, Chennai was the resource person and he appealed to the students to do value added courses through online platforms like Coursera, Udemy and LinkedIn Learning. This guest lecture was well received by 80 students.



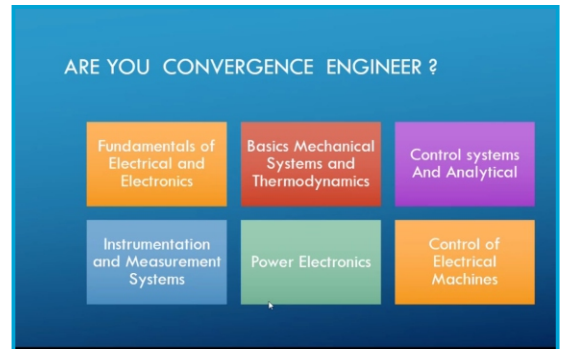
Department of Food Technology and F5 Association jointly organized MUNCH-O-HOLICS in on 18.10.24 in commemoration of world food day. The sole aim of this event is to develop entrepreneurial skills among students. 30+ products like vegan products, baking products, dairy products and sweets were exhibited by the students.



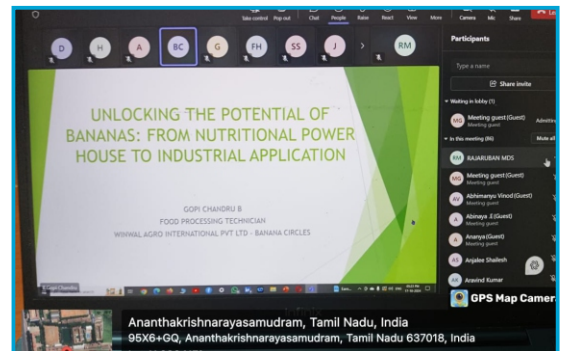
Department of Aero, PEC, in association with Aeronautical Sector Skill Council Student Chapter, PEC organized an Intra-college competition 'AEROCK'S – 2024' on 18.10.24. 'Parachute Diving' and 'Pictorial Puzzle' were organised. Dr. M. Premkumar, Principal, PEC, presided over the function. 100 students took part in the 'Parachute Diving' and participated in groups in 'Pictorial Puzzle'. 'Certificate of merit' was distributed to the top two participants in each event.



Department of EEE, Energy Club, PEC organized a guest lecture on 'Specialization In Industrial Engineering And Perspective Career' on 18.10.24. Dr.G.Balaji, HoD/EEE, presided over the function. Mr. Pandi Nithyanandam, DM in Maintenance, Jindal Steel and Power Limited, Oman was the guest speaker and he insisted the importance of practical knowledge by acquiring skills in networking, web development, cloud platform, PLC, AutoCAD etc. in order to be Industry-Ready.



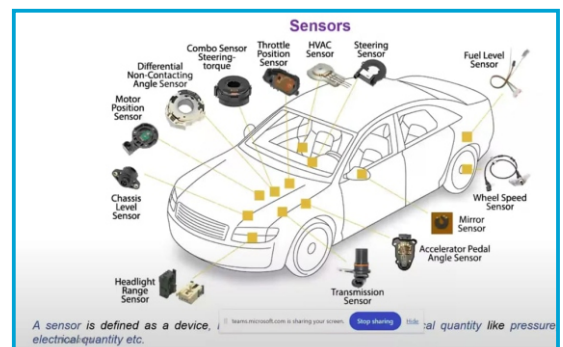
Department of FT & F5 Association of PEC organized a guest lecture on 'unlocking the Potential of Banana from Nutritional Power House to Industrial Application' on 17.10.24 for all food technology students. Mr. B Gopi Chandru, Food Processing Technician, Winwal Agro International Private Limited, Banana circle, Tirunelveli was the chief guest of the day and he highlighted the processing and product values of banana.



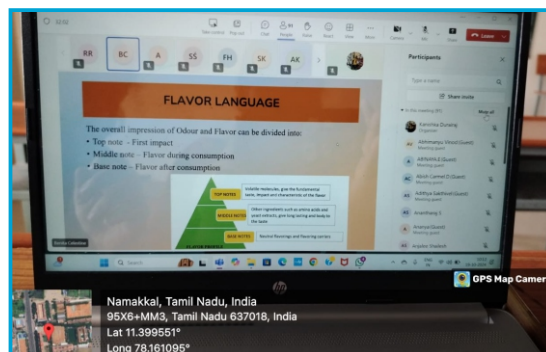
Department of CS and MCA organized a guest lecture on 'Emerging Trends in Cloud Computing, IT Service Management, and the IT Pre-Sales Process' on 18.10.24. Mr. Prasath Ramanathan, Solution Architect – Cloud Operations, EY GDS Technology, Bengaluru was the resource person and he pointed out that the importance of enhancing skills and fostering competence in AI and automation.



Department of CSE ( IoT ), PEC organized a seminar in 'Essential Concepts in IoT Sensing and Actuation' on 19.10.24. Dr. M. Premkumar, Principal, PEC presided over the event. Ms. N. Banupriya, AP, Department of CC Engineering, Sri Eshwar College of Engineering, Coimbatore was the resource person and she detailed the principles involved in hydraulic, pneumatic, electrical, thermal/magnetic, mechanical, and soft actuators pertaining to IoT.



Department of FT and F5 Association, PEC conducted a technical seminar on 'Flavours and its Applications' on 19.10.24 for all food technology students. Ms. Benita Celestine A, Trainer in Bakery Applications at Takasago International India Pvt. Ltd., Chengalpattu, was the guest of the day and she elaborated on the value, limitations, and advancements in flavour processing.



Department of Geology, PASCW, arranged a field trip to Yercaud Bauxite area on 25.10.24. 17 students visited an open-cast bauxite mine, where the rock layers overlying a host rock of Charmockite, a metamorphic rock. The visit provided an insight about rocks for the undergraduate students.



Department of Geology, PASCW, arranged a guest lecture on 'The Impact of Climate Change on Groundwater Resources' on 23.10.24 and Dr. A. Jothibasu, M.Sc., M.Phil., Ph.D., Department of Geology, Periyar University was the resource person. During his lecture, he explained how climate change influences groundwater resources through changes in the hydrological cycle. The aim of the lecture was to create awareness about the need to protect our Earth.



Department of EEE, PEC organized a Career Guidance Programme on 'GATE Examination' on 24.10.24 and Mr. Jaya Prakash, Senior Executive of Academic Relations, ACE Engineering Academy, Coimbatore, was the resource person. In his address, he emphasized that GATE serves as a gateway for aspiring engineers and scientists by offering enhanced educational and career opportunities. He also explained about the pattern of the GATE examination.



On 25.10.24 PASCW had the privilege of visiting Accent Techno Soft Pvt. Ltd. in Coimbatore. The IT company representatives offered a comprehensive presentation on their projects and technologies, which was both informative and inspiring. They also discussed various internship programs and real-time project assistance available to students, presenting a fantastic opportunity to gain hands-on experience in a professional environment.

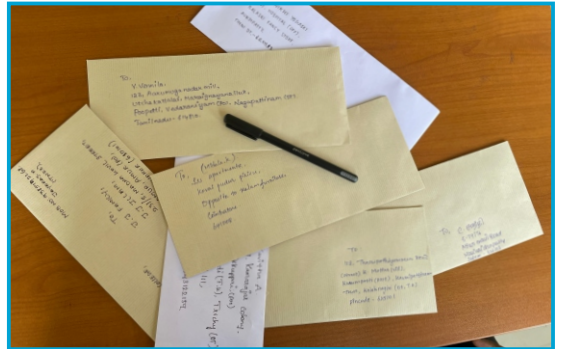


## SOCIAL SENSITIVITY

On 02.10.24, The event conducted by TQI volunteers for Thanksgiving involved a special initiative aimed at showing appreciation for ambulance drivers and first responders. During this event, volunteers organized a gathering where they prepared and served a Thanksgiving meal to these dedicated individuals. The goal was to express gratitude for their hard work and commitment, especially during challenging times. The event included activities like sharing stories, providing small gifts or care



On 03.10.24, TQI volunteers conducted an event as part of 'Daan Utsav', India's festival of giving. The volunteers prepared and sent letters and gifts to various individuals and families, as seen from the envelopes with handwritten addresses on them. This act was a gesture of kindness, aimed at spreading joy and building connections. The initiative reflects the spirit of Daan Utsav, encouraging acts of generosity and service to bring positive impact to communities.



Paavai Engineering College 20 NSS volunteers donated their blood on 08.10.2024 at Government Hospital, Rasipuram, urgent need of bloods due to dengue fever.



On 18.10.24, Our Paavai TQI Namakkal cluster team facilitated engaging summit classes and thematic sessions across four Namakkal panchayats: Muthukapatty, Bodinakenpatty, Palayapalayam, and Sivenaikenpatty. Students learned valuable skills, including visual memory, time management, and computer basics, through interactive activities and hands-on demonstrations. The sessions promoted reading habits, assigned homework, fostering a supportive learning environment.



On 20.10.24, Our Paavai TQI, Namakkal Cluster team went to Alaganantham Panchayat and concluded its Day 2 thematic session with interactive activities and skill-building exercises. Students learned essential skills including time management, visual memory, reading, and computer basics. The session was a success, equipping students with valuable knowledge and feedback for continued growth.



NSS unit of PEC in association with the Government Hospitals of Namakkal and Rasipuram organized a Blood Donation Camp on 21.10.24. The camp was inaugurated by Dr. A. Anbumalar, Blood Bank Medical Officer, G.H., Namakkal, Dr. M.Premkumar, Principal, PEC and Dr. S. Sudha, Medical Officer, P.H. Center, Pudhuchatram. 189 students donated blood on the occasion and the donors were recognized through certificate of appreciation.



The NSS, PCE conducted a general orientation program for first-year NSS volunteers on 22.10.24. Dr.V.Hariharan, Principal, PCE, discussed the history, motto, and meaning of the NSS logo in his presidential address. Dr. A.Immanuel, VP, PCE, provided details about NSS regular activities and special camp activities during his keynote address. Mr. B.V. Maheswaran, NSS Programme Officer at PCE, gave a general awareness session to the NSS volunteers about their roles, responsibilities, and the benefits they can gain through NSS for their careers.



On 29.10.24 Paavai Engineering College 23 NSS volunteers provided volunteer ship for Atthanoor Amman Kovil Hundial amount count.



## THE EMERGING TRENDS IN ACADEMIC RESEARCH

Academic research is changing a lot with the use of advanced tools like AlphaFold and Aveksana. These tools use artificial intelligence and big data to improve research methods. This change is expected to reshape many areas of academia, offering both new opportunities and challenges.

### Evolving Research Methodologies

- **Research Approach:** Tools like Aveksana are bringing a paradigm shift in how research is approached.

Aveksana helps users identify research gaps and develop topics based on their unique needs and goals, making it easier for students and researchers to find original research topics and identify gaps in existing knowledge.

- **Data-Driven Research:** Traditional research methodologies often rely on manual data collection and analysis, which can be time-consuming and prone to human error. Tools like Julius AI automate these processes, allowing researchers to handle vast datasets with greater accuracy and efficiency. This enables more comprehensive and nuanced analyses, leading to more robust findings.



- **Interdisciplinary Collaboration:** The capabilities of AI-driven tools facilitate collaboration across disciplines by providing a common platform for data analysis. Researchers from different fields can now easily integrate their data and insights, fostering a more holistic approach to solving complex problems.

- **Enhanced Literature Review:** AVEKSA and similar tools streamline the literature review process by quickly identifying relevant papers and extracting key information. This not only saves time but also ensures that researchers stay updated with the latest developments in their field, enhancing the quality of their work.

- **Predictive Analytics:** Advanced tools offer predictive analytics capabilities, allowing researchers to identify trends and potential outcomes in their studies. This proactive approach can guide research design and methodology, improving the likelihood of significant discoveries.

#### **Wider Impact on Academia**

- **Democratization of Research:** The accessibility of powerful research tools democratizes the research process, enabling institutions with fewer resources to conduct high-quality research. This can lead to a more diverse range of studies and perspectives within academia.

- **Ethical Considerations:** The use of AI in research raises ethical questions related to data privacy, bias, and the transparency of AI algorithms. Academics must develop frameworks to address these concerns, ensuring responsible and ethical use of technology.

- **Skill Development:** As research methodologies evolve, there is a growing need for researchers to acquire skills in data science, AI, and machine learning. Academic institutions must adapt their curricula to prepare the next generation of researchers for these new demands.

- **Funding and Resource Allocation:** The efficiency gains from AI-driven tools might influence funding models and resource allocation within research institutions. Funds traditionally used for manual data processing could be redirected towards more innovative and exploratory research projects.

- **Impact on Publication and Peer Review:** AI can also revolutionize the publication process by assisting in peer review, identifying potential conflicts of interest, and ensuring the integrity of published research. This can enhance the credibility and reliability of academic publications.

#### **Future Outlook**

The advent of tools like AlphaFold, AVEKSA, Scite, and Julius AI signifies a pivotal moment in the evolution of academic research. While these innovations offer numerous benefits in terms of efficiency, collaboration, and data analysis, they also require careful consideration of ethical implications and the need for new skill sets. As academia adapts to these changes, the future of research promises to be more inclusive, dynamic, and impactful.

#### **Emerging Trends and Future Tools:**

- **AI-Enhanced Collaboration Platforms:** Future tools may offer even more advanced collaboration features, integrating virtual reality (VR) and augmented reality (AR) to allow researchers from around the world to work together in immersive environments.

- **Advanced Predictive Models:** Continued advancements in AI will likely lead to even more sophisticated predictive models, capable of simulating complex scenarios and providing deeper insights into potential outcomes.

- **Real-Time Data Analysis:** The development of tools capable of real-time data analysis will allow researchers to make instant adjustments to their studies based on ongoing data collection, enhancing the agility and responsiveness of research projects.

By keeping abreast of these trends and integrating innovative tools into their methodologies, researchers can continue to push the boundaries of academic discovery and contribute to a future where knowledge is more accessible and impactful.

Source: <https://www.linkedin.com/pulse/future-academic-research-trends-insights-aveksana-xscff/>

## Faculty Journal Publications and Patents

Name of the Faculty with designation	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
Dr.T.Arunkumar Prof - BME, PEC	Journal of Materials Science: Materials in Electronics, Springer	Facile green synthesis of Sm <sub>2</sub> O <sub>3</sub> @g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic and catalytic degradation of organic pollutant	Volume 35, article number 1842, October 2024
A.Sujitha Dr.S.Vijayakumar L.Sujitha A.P.Nehaa Shree S.Vijay Murugan AP - ECE, PEC	African Journal of Biological Sciences	Optimizing network energy consumption using parameterized energy efficient clustering protocol for the internet of things in wireless sensor networks	Volume 6, Issue 15, pp:14625- 14643, October 2024
Dr.S.Vijayakumar Prof. - ECE, PEC	Physica Scripta, IOP Publishing	Comprehensive evaluation of recombination confined performance of CuGaO <sub>2</sub> for solar cell application	<a href="https://doi.org/10.1088/1402-4896/ad7a3d">https://doi.org/10.1088/1402-4896/ad7a3d</a> , 2024
Dr.R.Praveencumar Prof. - Pharma, PEC	Chinese Journal of Applied Physiology	Oncogenetics: Unraveling the Genetic Underpinnings of Cancer for Improved Immunotherapeutic Outcomes	ISSN - 1006-6020
Dr.T.Loganayagi Prof. - ECE, PEC	Patent	Smart city Infrastructure management using IoT and big data.	Application No: 202441076781 A
Dr.M.Udhayavani ASP - ECE, PEC	Patent	IoT based smart energy management system using DLT	Application No: 202441077547 A

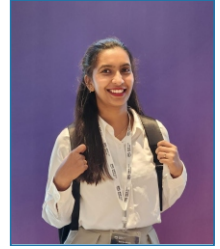
## Department of Physical Education Zone & Interzone 2024

Date	Game	Venue	Level	Position
26.09.2024 to 02.10.2024	Cricket (M)	Govt. College of Engineering, Salem	Zone	2 <sup>nd</sup>
03 & 04.10.2024	Football (M)	Selvam College of Technology	Zone	3 <sup>rd</sup>
09 & 10.10.2024	Volleyball (M)	Paavai Engineering College	Zone	1 <sup>st</sup>
10.10.2024	Fencing (M & W)	Paavai Engineering College	Interzone	Overall 1 <sup>st</sup>
10.10.2024	Tennis (M)	Paavai College of Engineering	Zone	2 <sup>nd</sup>
16 & 17.10.2024	Kabaddi (M)	Selvam College of Technology	Zone	1 <sup>st</sup>
21.10.2024	Hockey (M)	Paavai Engineering College	Zone	1 <sup>st</sup>
22.10.2024	Table Tennis (M)	Sona College of Technology	Zone	2 <sup>nd</sup>
23.10.2024	Table Tennis (W)	Sona College of Technology	Zone	1 <sup>st</sup>
23 & 24.10.2024	Athletics (M & W)	Selvam College of Technology	Zone	2 <sup>nd</sup>
26.10.2024	Ball Badminton (M)	VSA Groups of Institutions	Zone	3 <sup>rd</sup>



# Alumni Testimonial

## PAAVAI ENGINEERING COLLEGE



**K.S.APARNA**  
B.E - CSE, 2014 - 2016  
Senior Software Engineer  
Chennai

As an alumna of this college, I am immensely grateful for the opportunities, knowledge, and lifelong friendships I gained here. The supportive faculty, dynamic curriculum, and vibrant campus environment truly set the foundation for my personal and professional growth. My time here was transformative, and I'm proud to be part of such an incredible institution.

## PAAVAI COLLEGE OF ENGINEERING



**R.SREEDHAR**  
B.E - EEE, 2017 - 2021  
Full Stack Developer, Jsan Software Pvt.Ltd  
Bangalore

I pursued my Electrical Electronics & Engineering bachelor's degree held in Paavai College of Engineering where my overall college experience had been quite enjoyable. The college has got all the necessary facilities, infrastructure and equipment. All the faculty members have got good knowledge on their respective subjects; notes and contents shared by the faculty aids each student to understand and grasp the respective subjects in detail and depth which in turn helps me to crack University exams with remarkable scores. Teachers are the backbone of our college and they motivate the students to make try their level best to conquer the peaks. Every time when I was in some sort of problems in academics and other activities, I received immense support from my teachers.

## PAAVAI POLYTECHNIC COLLEGE



**R.SUDHAKARAN VEL**  
DEEE, 2007 - 2010  
Assistant Consultant in Tata Consultancy  
Chennai

As I stand here today, I am reminded of the incredible journey that brought me to where I am now. Our Paavai college was more than just a place to earn a degree. It was a transformative experience that shaped me into the person I am today. Our college taught me valuable lessons that went beyond academics. It taught me resilience, adaptability, and the importance of community. I am grateful all my teachers and Paavai institutions. I have done Diploma in Electrical and Electronics Engineering and currently I am working as Assistant Consultant in Tata Consultancy Services, Chennai.

## Wall of Fame



**S.ILAKYA**  
AP - PHARMA, PEC  
Green Technology Award  
ICHE 2024, 19.10.24



**C.RATHNAKUMAR**  
NSS Programme Officer, PEC  
Best Blood Donation Camp  
Organizer Award by Collector,  
Namakkal, 10.10.24



**K.GOPIDHA**  
IV - BME, PEC  
South India Yoga Championship 2024  
Karur, 20.10.24

## PAAVAI TAMIL MANDRAM - AVVAI SORPOR

I PRIZE



**S.KAVIRASI**  
III - AGRI, PEC  
Prize Rs.3000

II PRIZE



**V.PREETHI**  
II - CSE (IOT), PEC  
Prize Rs.2000

III PRIZE



**T.ANANDAKUMAR**  
II - CYBER, PEC  
Prize Rs.1000

## ENGLISH GROVE

### PHRASAL VERB

A phrase that consists of a verb with a preposition or adverb or both, the meaning of which is different from the meaning of its separate parts.

e.g. : Pay for, work out

- Make out** : to understand  
I do not **make out** anything from the poem.
- Put on** : to dress oneself  
He **put on** the wedding dress for the function.
- To rely on** : to depend on  
The students **rely on** Internet for everything.
- Settle down** : to make somebody calm  
They smoothly **settled down** the problem.

- Abstain from** : being absent  
He **abstained from** the meeting.
- Ring up** : call over phone  
Ravi **rang up** his father.
- Look after** : take care of  
The parents **look after** their children.
- Take after** : resemble  
She **takes after** her mother.
- Break into** : enter without permission  
The thief **broke into** the house and stole the jewels.
- Give away** : issue, distribute  
The Chief Guest **gave away** the Prizes.
- Turn down** : to refuse  
The Principal **turned down** by request.
- Take off** : leave the ground  
The Airplane **took off** at 5 a.m.
- Switch off** : to put out the light  
He **switched off** the light.
- Long for** : to desire for  
I **long for** sweets.
- Look forward to** : expect  
I **look forward to** your arrival.
- Care for** : to give attention  
The teacher **cares for** his students.
- Depend upon** : to rely on  
The children **depend upon** their parents.
- Differ from** : to vary  
Science **differs from** arts subject.
- Prefer to** : to choose  
I **prefer** coffee **to** tea.
- Fight for** : demanding rights  
Gandhi **fought for** India's freedom.
- Search for** : to seek  
He is **searching for** his pen.
- Look into** : to find out  
He **looked into** the book for the answer.
- Fight with** : to quarrel with  
I had to **fight with** my brother for property.

# Paavai in Press



பாசிரம், அக்.2: பாவை பொறியியல் கல்லூரியில் ஆண்டு பட்டமளிப்பு நடைபெற்றது. பாசிரம் பாவை கல்வி வளங்களின் தலைவரான ஆடிட்டர் நடராஜன் தலைமை வகித்து, பாசிரம் பாவை கல்வி வளங்களை உருவாக்கிய



நட்பு மாற்றங்களுக்கான திறன். பாசிரம் பாவை கல்வி வளங்களை உருவாக்கிய



பாசிரம் பாவை கல்வி வளங்களை உருவாக்கிய



பாசிரம், அக்.6: பாவை பொறியியல் கல்லூரியில் ஆண்டு பட்டமளிப்பு நடைபெற்றது. பாசிரம் பாவை கல்வி வளங்களின் தலைவரான ஆடிட்டர் நடராஜன் தலைமை வகித்து, பாசிரம் பாவை கல்வி வளங்களை உருவாக்கிய



பாசிரம், அக்.14: பாவை வித்யாஸ்ரம் நாமக்கல் மற்றும் சேலம் பள்ளிகளில் வித்யாரம்பம் நிகழ்ச்சி



பாசிரம், அக்.25: பாவை கல்வியியல் கல்லூரியில் 21ம் கல்வியாண்டின் வகுப்புகள் தொடக்க விழா



பாசிரம், அக்.25: பாவை கல்வியியல் கல்லூரியில் 21ம் கல்வியாண்டின் வகுப்புகள் தொடக்க விழா

## With best compliments from :

- Paavai Engineering College ( Autonomous)
- Paavai College of Nursing and Research
- Paavai College of Engineering
- Paavai Institute of Allied Health Science
- Pavai College of Technology
- Paavai Physiotherapy Science College
- Paavai Polytechnic College
- Paavai Vidhyashram CBSE School
- Pavai Arts & Science College for Women
- Paavai Matriculation Higher Sec. School
- Paavai College of Education
- Paavai Vidhyashram School - Salem Campus
- Paavai Teacher Training Institute
- Paavai IAS Academy
- Paavai College of Pharmacy and Research
- Paavai Nrithyalaya

**Paavai Medical Centre and Hospital**  
(400 Bedded Multispeciality Corporate Hospital)