



# **PAAVAI**

**EDUCATIONAL INSTITUTIONS**

Think Education... Think Paavai.

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

# **PAAVAI VOICE**

**APRIL - 2025**

**A MONTHLY BULLETIN**

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## Chairman's message

Dear parents and students!

Greetings from your Chairman

It gives me immense pleasure to speak with the students, parents and faculty through Paavai Voice - April'25.

I am delighted to share about Placement Day which stands as a testament to the academic excellence and professional readiness of our students. It brings immense pride to witness our young talents stepping confidently into the corporate world. Each offer letter symbolizes not just a job, but a stepping stone to a brighter future. We are deeply grateful to our recruiting partners for their continued faith in the talent we nurture. This achievement is the result of their consistent efforts, guided by our committed faculty and supported by our proactive placement cell. Congratulations to all the students-may this be the beginning of a successful and fulfilling career.

World Earth Day was celebrated on our premises as a powerful reminder of our shared responsibility to protect and preserve the planet we call home. In the face of climate change and environmental challenges, it is vital that we adopt sustainable habits and promote eco-conscious living. Let us pledge to plant more trees, reduce pollution, and respect nature in every action. Every small step counts in making a big difference. Together, we can build a greener, healthier Earth for future generations.

In Paavai Polytechnic College, Padmam, our vibrant cultural programme, was a celebration of creativity, tradition, and youthful energy. It provides a platform for students to showcase their talents in music, dance, drama, and art, reflecting the rich diversity of our cultural heritage. The event not only fostered artistic expression but also builds confidence, teamwork, and a sense of community among students. Padmam brings joy, color, and life to our campus, making it a cherished and unforgettable experience for all.

Solluga Tamil; Velluga Parizhu, a tamil competition was held in Paavai institutions. It is our responsibility to preserve and promote this timeless treasure among the younger generation. Conducting Tamil literary events, debates, and workshops will instill pride and proficiency in the language. Let us work together to keep Tamil alive, vibrant, and relevant in all spheres of education and beyond.

Research and innovation are the cornerstones of academic excellence and societal progress. At our institution, we are committed to creating an environment that nurtures curiosity, creativity, and critical thinking. By strengthening our research infrastructure, encouraging interdisciplinary collaboration, and supporting innovative student projects, we aim to cultivate a culture of inquiry and discovery. I urge our faculty and students to take bold steps toward solving real-world problems through research. Together, let us transform our campus into a hub of knowledge, innovation, and impactful contributions to the world.

As Dr. APJ Abdul Kalam has stated, 'The purpose of education is to make good human beings with skill and expertise', Paavai aims to create skilled and noble individuals. I take immense pride in Paavai students who reflect brilliance, grace, emotional intelligence, and social responsibility. Their compassion and empathy are admirable traits of ideal citizens. I encourage them to cultivate true smartness. This includes sharp intellect, sound judgment, strong soft skills, and a charming leadership presence.

Warm regards,

Chairman

## Placement Day'25

Placement Day 2025 was celebrated at Paavai premises on 25.04.25 with great enthusiasm and pride. Shri CA. N. V. Natarajan, Founder & Chairman of Paavai Educational Institutions, presided over the function and delivered the keynote address. The event was graced by Ms. Sangeetha Flora, Founder and Director of TLC Cornerstone, as the special guest. The event began with a welcome address by Mr. Ajmal Thahseen, III Cyber Security, Paavai Engineering College, who warmly welcomed the dignitaries and the gathering.

Following this, the special guest Ms. Sangeetha Flora delivered an inspiring and motivating speech. She expressed her happiness in witnessing students of Paavai Educational Institutions receiving job offers and urged them to continue learning in today's competitive world. She emphasized that lifelong learning is the key to personal and professional growth. She pointed out that many companies now expect candidates to possess international certifications along with academic qualifications. She encouraged students to strengthen their foundation in science and technology, adapt to the workplace culture and environment, and implement innovative ideas. Furthermore, she stressed on the importance of improving English proficiency to enhance communication skills, and embrace challenges to stay ahead in their careers.

Smt.Mangai Natarajan, Correspondent, Paavai Institutions, felicitated the gathering, appreciating the achievements of the students and the collective efforts of the faculty. The Chairman, Paavai Institutions presented mementos to the special guests as a token of appreciation. At this proud moment, the special guest and the Chairman jointly presented job orders to over 4,389 students, who secured placements in leading companies such as Tech Mahindra, Hexaware, HCL, Wipro, CTS, TCS, etc., The event concluded with the vote of thanks proposed by Ms. G. Sumathini Sri, III CSE, Paavai Engineering College. The function was attended by Dr. K.K.Ramasamy, Director Administration, Advocate Senthil, Director Admissions, Dr. R.R.Krishnamoorthy, Director Centre for Research,





Dr.R.Thamaraiselvan, Head Placement and Training Centre, All principals, heads of departments, faculty members, and students.



## Induction Programme for Faculty Members

FDD organized a 6 day Induction Programme for the recently recruited faculty members to make them familiar with the institutional practices and the instructional strategies of teaching and learning, because teachers are considered to be the pillars of Paavai. The inaugural ceremony was held at Premium Hall on 04.04.25. The programme started invoking God's bountiful blessings with the prayer song, followed by lighting of the kuthuvilakku. Shri. CA N.V. Natarajan, Chairman of Paavai Institutions, delivered the Inaugural Address, emphasizing the pivotal role of teachers as exemplary role models who create an active and engaging learning environment within the classrooms. He underscored the significance of the 5C's-Compliance, Collaboration, Clarification, Culture, and Continuous Feedback-as essential pillars for the professional and academic development of the faculty members. Smt.Mangai Natarajan, Correspondent, felicitated the gathering and in her address remarked on the distinct and innovative pedagogical approaches adopted at Paavai. Dr.K.Selvi, Dean Academics, PEC welcomed the gathering. The objectives and methodology of the induction



programme were spelled out by Dr.J.Murshitha Banu Head, FDD. 31 faculty members from Paavai Educational Institutions attended the Induction Programme.

After the inauguration, the formal sessions commenced. Shri.CA.N.V.Natarajan, Chairman, Paavai Institutions conducted the session entitled 'Paavai on the Path of Progress'. The session commenced with an illuminating overview of the illustrious journey of Paavai Educational Institutions since inception. He eloquently illustrated the institution's remarkable ascent, attributing its growth to the unwavering dedication, relentless perseverance, and synergistic efforts of all stakeholders involved. He emphasized that the faculty of Paavai must embody the highest ideals of professional and moral excellence by exemplifying qualities such as unwavering commitment, profound empathy, expansive knowledge, and genuine care. He also articulated a visionary aspiration for the students to evolve into paragons of modern India.

Mrs. Jayalakshmi, Dean - Counseling, highlighted the idea that 'Teachers are the Real Parents' through real-life stories and motivational videos. Dr.K.K.Ramasamy, Director Administration, emphasized the evolving roles of educators and the need for student-centered, practical teaching methods. Dr.R.R.Krishnamurthy, Director Research, spoke on the topic 'Role of Teachers in Social Responsibility' emphasising on teacher's role in shaping students. Dr. K. Selvi, Dean Academics, PEC, elaborated on the profound significance of Paavai Culture, emphasizing its role in shaping disciplined and value-driven individuals. Dr. M. Prem Kumar, Principal, PEC, ardently emphasized the paramount importance of cultivating a righteous and service-oriented attitude to become invaluable members of the Paavai fraternity. Dr. B. Murali Babu, CoE, elaborated on the critical importance of the 'Triple S relationship', emphasizing the need for a balanced and respectful connection amongst students, staff, and superiors. Dr. J. Murshitha Banu, Head, FDD, delivered an insightful session on the importance of English language proficiency. Dr.N.Ezhili, Principal, PASCW in her topic entitled 'Pedagogy for Professional Enrichment' emphasized the quintessential need for innovative pedagogical practices to make learning engaging and interesting for students. Dr.K.Sundaramurthy, Head, IQAC, PEC through his topic 'Navigating Outcome based Education - A Roadmap for Excellence' addressed the dynamic requirements of the modern era where the emphasis was on holistic learning, digital literacy and skill development. Dr.R.Thamariselvan, Head, P&T spoke on the title 'Placements in Paavai'. Dr. D. Bhanumathy, Head, CSE, delivered an engaging session on the topic 'Be Liberated, Be Happy'. Dr. Mohanapriya, AP-ECE, emphasized the significance of Smart Teaching as an essential approach in modern education. Mr. Elavarasan, a skilled Yoga Trainer, demonstrated a variety of asanas and yoga exercises aimed at promoting physical and mental well-being.





## சொல்லுக தமிழ் வெல்லுக பரிசு

At Paavai Educational Institutions, a competition titled 'சொல்லுக தமிழ் வெல்லுக பரிசு' was conducted by the Paavai Tamil Mandram with the aim of nurturing students' interest in the Tamil language. The event was presided over by Shri CA N. V. Natarajan, Chairman, Paavai Educational Institutions, Smt Mangai Natarajan, Correspondent, Paavai Educational Institutions, delivered the keynote address. In her speech, she said:

'Though the competition 'Speak Tamil, Win Prizes' may seem like a game, it was organized with the educational intent of improving students' linguistic abilities. This contest helps in learning the Tamil language in a simple and enjoyable manner. It also enhances the Tamil proficiency as well as soft skills like time management, situational thinking, and reasoning ability. Furthermore, it serves as an excellent opportunity to develop speaking skills and cultivate a love for literary learning. The effort and preparation shown by students in the competition were commendable. As the saying goes, 'Tamil was born before the stone and sand,' our language is one of the most ancient and culturally rich languages in the world. This competition was held to respect our mother tongue and to foster its growth. May you all contribute to the growth of Tamil and carry its greatness to the wider society. My best wishes to all of you'.

The competition was conducted among three teams: அனிச்சம், குவளை மற்றும் காந்தள். Yogalakshmi, Asst.Prof., Tamil, Pavai Arts and Science College for Women, hosted the event. The competition consisted of four rounds. In each round, participants had to identify Tamil words based on given clues. The final round was a Thirukkural-based visual quiz. In the end, அனிச்சம் team secured the first place, குவளை team won the second place, and காந்தள் team came in third. The winners were awarded cash prizes by Shri CA N. V. Natarajan, Chairman, Paavai Educational Institutions.



## World Earth Day

The Department of Geology at PASCW celebrated World Earth Day with the theme 'Planet Earth: Combating Pollution for a Sustainable Future' on 22.04.25. The event commenced with a soulful prayer song and Tamil Thai Vazhthu, setting a reverent tone. Ms. S. Sivadharshini of III B.Sc. Geology welcomed the gathering. Dr. N. Ezhili, Principal, PASCW delivered her presidential address, emphasizing the importance of environmental responsibility. Ms. L. Junaith Asma, III BCA introduced the guest speaker, Professor Dr.R.R.Krishnamurthy, Director, Centre for Research, Paavai Educational Institutions. The guest delivered his insightful presentation on Planet Earth: Combating Pollution for a Sustainable Future. He explained Earth's climate history, emphasizing that the planet has undergone four major ice ages, which are documented in its rock and sediment records. He discussed various tools, including tillites and striated bedrocks, and explained how ice cores are utilized to study these climates.



He showed a clear chart illustrating climate change in India and clarified a current reality of our country. A potential drop of upto 50% in maize yields and a reduction of up to 35% in rice production, water variability ranging from a 50% increase to a 40% decrease, shifts in forest ecosystems and threats to biodiversity, heightened health risks due to extreme heat and diseases. He influenced the students by presenting India's extreme and alarming climate events, such as: Mumbai 2005: 994 mm of rainfall in a single day; Leh 2010: Cloudburst that resulted in 255 deaths; Uttarakhand 2013: A disaster leading to 5,700 fatalities; Chennai 2015: 272 mm of rain in just 12 hours.

He established India's coastline, home to millions, faces an unprecedented crisis. Erosion, pollution, and rising sea levels threaten the very existence of coastal communities. From the Sundarbans to the beaches of Tamil Nadu, the impact of climate change is being felt across India's 7,500+ km coastline. In Tamil Nadu alone, 15 fishing villages are facing land loss due to erosion and sea-level rise, and entire ecosystems and livelihoods have disappeared because of this coastal crisis.

Through the G20 Summit 2023 in India, he highlighted the urgent need for global unity in addressing climate change. The theme 'One Earth, One Family, One Future' emphasizes our interdependence and the need for collective action, and he raised questions to the students for a sustainable future of the globe, and the students also gave answers for his questions. He concluded his session by illustrating that our generation may not have caused climate change, but we are the last who can stop it. Be aware. Be involved. Be the change. The session concluded with a heartfelt vote of thanks proposed by S. Rajakumari of II B.Com (CA), leaving the audience with a renewed sense of commitment to a cleaner and greener planet. The program came to an end with the National Anthem.



## Climpses of Padmam





## என்றென்றும் வாகை சூடுவோம்



## Wall of Fame



## Paavai Engineering College

Maximum number of students registered for  
Srinivasan Ramanujan  
Mathematical Competition, Second Place  
(National Level)

## Wall of Fame



**Dr.D.BHANUMATHY, Prof.&Head - CSE, PEC**  
Best Faculty Award, The Institution of Engineers,  
Hosur Local Centre, 04.04.25



**Dr.P.THIYAGARAJAN, ASP - CSE, PEC**  
Best Faculty Award, The Institution of Engineers,  
Hosur Local Centre, 04.04.25



**D.GOKUL, II MCTS, PEC**  
First Prize in State Level Hockey  
UIT Engineering College, 04.04.25 - 05.04.25



**G.S.RAHUL ROHITH, III CIVIL, PEC**  
First Prize in Powerlifting  
Tamilnadu State Championship 2025



**R.PRAVEEN, II CIVIL, PEC**  
First Prize in KHO KHO  
Overall Engineering Alumni Trophy



**G.SANJAI, III CIVIL, PEC**  
First Prize in KHO KHO  
Overall Engineering Alumni Trophy



**M.PARIVALAVAN, IV IT, PEC**  
ISTE Best Student Award  
23<sup>rd</sup> ISTE TN Section, Annual Convension  
Adhiyaman College of Engg, Hosur, 12.04.25



**S.PRIYANKA, IV ECE, PEC**  
ISTE Best Student Award  
23<sup>rd</sup> ISTE TN Section, Annual Convension  
Adhiyaman College of Engg, Hosur, 12.04.25

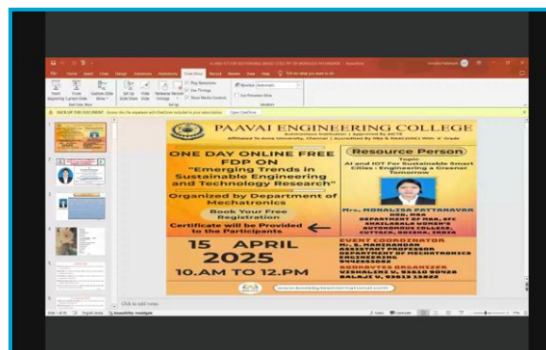


## Academic Events

A technical webinar titled 'The Opportunities Available in the CRIP and Built Environment Sector' was organized by the Department of Civil in association with the PCEA, PEC on 11.04.25. Dr.M. Premkumar, Principal, PEC, delivered the presidential address. The Speaker, Prof.Prashanth Kumar Sreram, AP, NICMAR University of Construction Studies, Hyderabad elaborated on sustainable design, construction, management of buildings, infrastructure, and urban developments.



Department of MCTS, in association with Book Bytes International Publications, PEC, organized an FDP on 'Emerging Trends in Sustainable Engineering and Technology Research' on 15.04.25. Mrs.Monalisa Pattanayak, Head, MBA, SFC, Shailabala Women's Autonomous College, Cuttack, Odisha, was the resource person. With her profound expertise in interdisciplinary research and sustainable development practices, she delivered an insightful session highlighting the growing importance of sustainability in modern engineering.



Department of IT, PEC organized an alumni guest lecture on 'College to Career: The Roadmap' on 16.04.25. The presidential address was delivered by Dr.M.Premkumar, Principal, PEC. The guest speaker, Mr. Natarajan Chandran, Senior Software Engineer at Huawei Technologies, UAE, shared valuable insights on development tips and career planning for final-year placements. The session was highly interactive, covering topics such as joining professional clubs, building a network on LinkedIn, Google, Microsoft, etc.



Department of BT, PEC successfully organized a guest lecture on 'AI-Driven Drug Designing: Reshaping the Future of Biotech Research' on 16.04.25. Dr. M. Premkumar, Principal, PEC delivered the presidential address. Dr. A. Ronaldo Anuf, Director, R&D Scinicorn Labs Private Limited, Marthandam, Kanyakumari delivered an insightful lecture covering key aspects of AI-driven drug discovery, including its transformative role in biotechnology research. He elaborated on how complex algorithms and data analytics are translated into practical strategies.



Department of FT, PEC organized an inspiring Alumni guest lecture featuring Mr. S. Deena Dayalan, an esteemed alumnus, who addressed the students on the theme 'The Power of Consistency and Passion in Achieving Your Goals' on 19.04.25. Mr. Deena Dayalan captivated the audience with his energetic and heartfelt talk, emphasizing that unwavering consistency and genuine passion are the key ingredients for success. He also highlighted the significance of discipline, time management and maintaining a positive mindset.





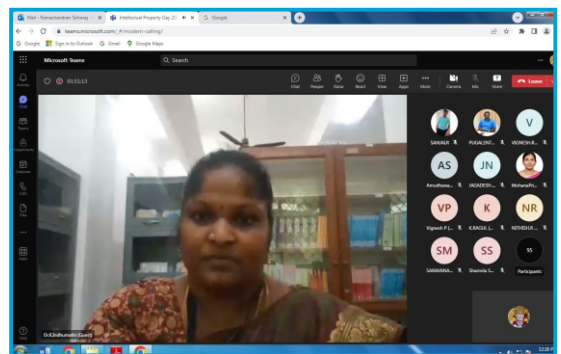
Department of FT, PEC organized an insightful seminar on the topic 'Technical Expertise and Expectations in the Food Industry', delivered by Dr. K. Senthil Kumar, ASP, KEC on 19.04.25. The seminar aimed to bridge the gap between academic learning and industrial expectations, equipping students for successful careers in the dynamic field of food technology. He addressed on key areas such as food safety, quality assurance, product development, regulatory compliance, and process optimization.



Department of EEE, PEC successfully conducted a hands-on training programme on 'EV Battery Assembly, Spot Welding & BMS Connection' on 22.04.25. The session was led by Mr.R.Satheeshkumar, AP - EEE, along with his team of final year EEE students M. Dinesh, M. Bharath, and M. Prasanthkumar-who possess hands-on experience in EV systems. Participants had the opportunity to work directly with battery cells, learn precision spot welding techniques, and integrate BMS systems.



IIC, in association with EDC, PEC organized an online webinar on 'Intellectual Property Day' titled 'Protecting Intellectual Property Rights (IPRs) and IP Management for Startups' through the Microsoft Teams platform on 23.04.25. The resource person, Dr. K. Indhumathi, Professor, Saveetha Engineering College, Chennai, began the session with a quote: 'Innovation is equal to Creativity and Commercialization'. She emphasized the significance of the webinar and highlighted the various initiatives of the IIC and EDC.



Department of Aero, PEC organized a guest lecture on 'Transonic and Supersonic Aerodynamics' on 24.04.25, through an online platform. More than 100 participants actively attended the session. It also sought to bridge the gap between theoretical learning and real-time aerospace applications. The chief guest, Dr. M. Senthilkumar, Head-Aero, KCT, Coimbatore delivered an engaging and insightful lecture on the aerodynamic phenomena experienced in high-speed flight regimes, including shock waves and boundary layer interactions.



Department of Chemical, PEC, in association with The Institution of Engineers (India), organized an alumni guest lecture titled 'Career Opportunities for Chemical Engineers' on 24.04.25. Mr. A. Akash, Technology Transfer Executive at OmniActive Health Technologies Pvt. Ltd., Hosur shared valuable insights in the diverse career opportunities available for chemical engineers across various sectors including the chemical industry, oil & gas, pharmaceuticals, food processing, and paint manufacturing. He elaborated on the roles and responsibilities of chemical engineers.



Department of MBA, PEC organized a workshop titled 'Raising Capital and Managing Finance for Startups' on 25.04.25. The presidential address was delivered by Dr. K. Selvi, Dean Academics, PEC, who highlighted the qualities required by youth to start a business. Mr. Ranjith Kumar, Founder and Director of Moringa Promise Wellness Pvt. Ltd., Theni, spoke on managing finances when starting a business and how to effectively brand a business globally using social media at low cost.



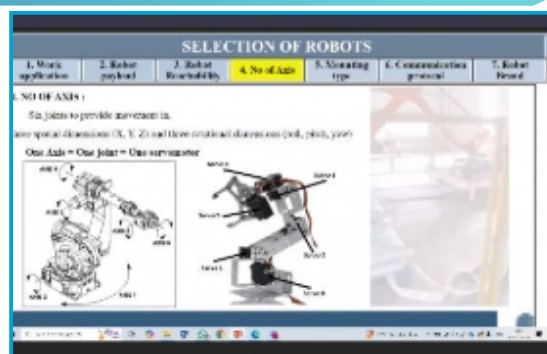
Department of Mech, PEC, in association with IIC-PEC and EDC, organized an Exhibition on 24 & 25.04.25. The Project Exhibition served as a dynamic showcase of innovation and creativity, featuring 30 participating teams from various departments. The exhibition not only promoted knowledge dissemination but also encouraged collaboration among students, faculty, and external experts. A key highlight of the event was the recognition of outstanding projects through awards, acknowledging the most impactful and innovative contributions.



Department of Chemical, PEC, in association with IIC, jointly organized a guest lecture on 'From Curiosity to Creation: The IPR Journey of Turning Ideas to Impact' on 28.04.25. The chief guest, Dr.S.Shankar, M.E., Ph.D. (IIT Madras), Director, ProMind Research Academy, ProMind Learning Academy, and ViPa Robotics, Erode highlighted the role of curiosity in scientific inquiry and innovation, emphasizing that many groundbreaking ideas originate from simple yet persistent questions. He elaborated on IPR ecosystem & significance of patents.



Department of R & A, in collaboration with Mech, PEC jointly organized a webinar titled 'Robotics - The Emerging Domain' on 30.04.25. Ms. K. Sathya, Robotics Programmer at Aquasub Engineering, Coimbatore, the guest speaker provided explanation of the differences between robotics and automation, using various industrial examples. She discussed the evolution of industry from Industry 1.0 to Industry 4.0 and traced the development of robots from their inception to the current generation.



Department of Cyber Security, in association with IIC-PEC, organized a Workshop on Business Model Canvas on 29 & 30.04.25. Dr. M. Premkumar, Principal, PEC delivered the presidential address. The resource person Mr. N. Selvaraju, Senior Technical Lead, Trianz Digital Consulting Pvt. Ltd., Bengaluru explained the 9 components, customer segments, value propositions, channels, revenue streams, cost structure, key activities, key resources, key partners, and customer relationships of BMC.





## Social Sensitivity

On 10.04.25, Paavai TQI volunteers visit to Sivabakym Home was a poignant experience. We observed the elderly struggling with loneliness and sadness. Nevertheless, the enthusiasm of the children and resilience of the differently-abled individuals inspired us. The TQI team's collective effort to provide support and kindness made a positive impact. I extend my gratitude to all participants for making this visit memorable and purposeful.



Paavai Engineering College, National Service Scheme, 26 volunteers rendered their service on 11.04.25 for food serving and crowd control volunteer ship for Balamurugan Kovil Kumbhabishekam, Onakaradu, Rasipuram, Namakkal.



The NSS, PEC in association with Government Medical College Hospital, Namakkal and Government Hospital, Rasipuram organized a Blood Donation Camp on 19.04.25. Dr.A.Anbumalar, Blood Bank Medical Officer, Government Hospital, Namakkal, Dr.M.Premkumar, Principal, PEC, Dr.S.Sudha, Medical Officer, Primary Health Center, Pudhuchattram, Health Inspectors, C.Rathnakumar, NSS-PO, PEC were present and they encouraged the students to donate blood. Totally, 130 students donated the blood.



NSS, PEC organized an Orientation Programme for NSS volunteers on 28.04.25. Thiru.V.Kannan, AD(Retired), Rural Development Department, Namakkal, was the Chief Guest for the event. The event was presided over by Dr.M.Premkumar, Principal, PEC. The chief guest, Thiru V. Kannan, delivered an insightful speech on community service and its benefits. Mr. C.Rathnakumar, NSS PO, delivered a detailed presentation on the History of NSS, its Motto, the significance of the NSS Symbol and Badge, and the aims and objectives of NSS.



## Book Publications

Name of the Faculty with designation	Title of the Book	Name of the Publications	Reference No.
Dr.D.Bhanumathy Prof., CSE, PEC	Database Management System	Charulatha Publications	ISBN-13:978-93-6260-942-7

## Faculty Journal Publications and Patents

Name of the Faculty with designation	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
Dr.D.Bhanumathy Prof., CSE, PEC	International Journal of Creative Research Thoughts	Centralized Resource Administration Dashboard	Volume-13, Issue -4, ISSN-2320-2882
Dr.D.Bhanumathy Prof., CSE, PEC	International Journal of Research and Publication and Reviews	Gestation Monitoring and Health Monitoring of Foetus using Embedded Controllers, Deep Learning Concepts	Volume 6, Issue 4, ISSN-2582-7421,
N.M.K.Ramalingam Sakthivelan ASP-CSE,PEC	International Journal of Research and Publication and Reviews	Augmentative and Alternative Communication Device for Speech Impaired Patients with IOT	Volume -6 , Issue -4, ISSN-2582-7421;
N.M.K.Ramalingam Sakthivelan ASP-CSE,PEC	International journal of Research and Publication and Reviews	Missing Child Identification using DLIT and Gan based Facial Augmentation	Volume-9, Issue -4, ISSN-2582-3930
E.Elanchezlian ASP-CSE,PEC	International Journal of Research Publication and Reviews	Smart Room Energy Management: IOT Based Approach for Energy Efficiency with Alert System	Volume 6, Issue 4, ISSN:2582-7421
E.Elanchezlian ASP-CSE,PEC	International Journal of Scientific Research in Engineering and Management	AI-Powered Handwritten Document and Diagram Digitization System Using Computer Vision and OCR	Volume-13, Issue -4, ISSN-2320-2882
P.Sathishkumar AP- Cyber, PEC	IJRPR	Zed Attack Proxy	ISSN 2582-7421 IJRPR 126785
S.Chandrakala AP- Cyber, PEC	IJRPR	Shadow Intelligence with OSINT and Spiderfoot	ISSN 2582-7421 IJRPR 128297
N.Nijanthan AP- Cyber, PEC	Patent	Method and Design of Flexible Wearable Antennas For Enhanced Connectivity in Portable Devices	ISSN 2582-7421 IJRPR 128297
Dr.S.Vijayakumar Prof-ECE,PEC	Springer	Online Optimized Elliptic Curve Cryptography Architecture for improved V2X Communication	Springer Analog IC and Signal Processing (2025_1 23:52
Dr.R.Mohana Priya ASP-ECE,PEC	Gradiva Review Journal	Online Blockchain –driven Submersible wireless data Transmission with Li-Fi Technology	ISSN No: 0363-8057 Volume 11, Issue 4
S.Satheeshkumar AP-ECE,PEC	Gradiva Review Journal	Online Real Time IoT system for Detection and UV-based Mitigation of Microbial Contaminants in Drinking Water	ISSN No: 0363-8057 Volume 11, Issue 4



Name of the Faculty with designation	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
S.Vijayakumar, ASP-ECE,PEC	Gradiva Review Journal	Online Optimizing Garbage Collection Through Intelligent GPS-Based Trash Bin	ISSN No:0363-8057 Volume 11, Issue 4
Dr.A.Parimalagandhi ASP-ECE,PEC	International Journal of Research Publication and Reviews(IJRPR)	Online Smart Saline Infusion Management system	ISSN No:2582-7421
R.Bhuvaneshwari AP-ECE,PEC	Gradiva Review Journal	Online Precision IoT fish Freshness Detector for Real Time Seafood Quality Monitoring	ISSN No:0363-8057
S.Satheeshkumar AP-ECE,PEC	International Journal of Research Publication and Reviews(IJRPR)	Online AI powered Smart Pillow Health Analytics Platform	ISSN No:2582-7421
N.Gangarani, AP-ECE,PEC	Gradiva Review Journal	Online Design of Intelligent Sericulture Management System based on AI	ISSN No:0363-8057
Dr.M.Udhyavani ASP-ECE,PEC	Gradiva Review Journal	Online WSN Based System Detecting EngergyTheft in Smart Grid	ISSN No:0363-8057
R.Bhuvaneshwari AP-ECE,PEC	IJERECE	Online IoT-Enabled Smart Infant Care and Monitoring Incubator	ISSN No:2394-6849
Dr.M.Udhyavani AP-ECE,PEC	Gradiva Review Journal	Online Triple Authentication for Car Parking using Anpr and QR Code with face Recognition	ISSN No:0363-8057
D.R.P.Rajaratnam Prof-MCT,PEC	Academic Journal of Manufacturing Engineering	Machine Learning Approach in Cutting Force Prediction and Optimization of Parameters in End Milling of Aluminum 6063	Vol.23, Issue 1/2025
D.R.P.Rajaratnam Prof-MCT,PEC	Material in Technologize / Materials and Technology	Investigation of The Wear-Resistance Characteristics of Alumina-Zirconia-Titania-Coated Al-6061 Alloy for Different Processing Parameters	59 (2025) 2, 307–314
B.Deepa, AP-IT, PEC	International Journal of Creative Research Thoughts (IJCRT)	Website Creation for IT Solutions Company	Volume 13,Issue 4 April 25, ISSN No:2320-2882
Dr.G.Madasamy Raja, Prof-IT, PEC	Indian Patent	Method and Design of Flexible Wearable Antennas for Enhanced Connectivity in Portable Devices	202531036512

Name of the Faculty with designation	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
Dr.R.PraveenCumar Prof.-Phama, PEC	Journal of Neonatal Surgery	Insilico Synthesis and Invitro Evaluation of Novel Thiadiazoles as Inhibitors Caspase 3 for potential of Anticancer	ISSN (online): 2226-0439, Vol 14, Issue 13 (2025)
Dr.M.Masilamani Selvam Prof.-Phama, PEC Dr.H.Harikrishnan Prof.-Phama, PEC M.G.Karthih AP-Phama, PEC	PriMera Scientific Surgical Research and Practice	Current Cancer Treatments and the Challenges in Achieving a Cure	Volume 5 Issue 5 May 2025 ISSN: 2836-0028
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## Student Journal Publications and Patents

Name of the Student with Dept	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
A.Dhanush M.Manibharathi R.SManoj IV-CSE, PEC	International Journal of Research Publication and Reviews	Smart Room Energy Management IOT Based Approach for Energy Efficiency With Alert System	Volume 6, Issue 4, ISSN:2582-7421
S.Akash J.Bharathkrishnan S.Dhivakar IV-CSE,PEC	International Journal of Creative Research Thoughts	Soil Analysis and Seed Recommended System	Volume -13, Issue -4, ISSN:2320-2882
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S.Haridhar T.Matheshwaran C.Mameeth IV-CSE,PEC	International Journal of Scientific Research in Engineering and Management	Accident Prevention for Hairpin Bend	Volume -9, Issue -4, ISSN-2582-3930
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Name of the Student with Dept	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
M.Kavya Moorthi IV-CSE,PEC	International Journal of Creative Research Thoughts	Smart Medicine Inventory Management System for Efficient Healthcare Supply and Utilization	Volume 6, Issue 4, ISSN:2582-7421
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R.Bhuvaneshwari D.Kayalvarshini R.Mahalakshmi IV-ECE,PEC	IJERECE	Online Blockchain –Driven Submersible Wireless Data Transmission with Li-Fi Technology	ISSN No:2394-6849
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Name of the Student with Dept	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
R.Lailthkumar R.Deepakraj N.Mathankumar IV-ECE,PEC	Gradiva Review Journal	Online Design of Intelligent Sericulture Management System based on AI	ISSN No:0363-8057
K.Guna S.Balasubramaniyam C.M.Ishwa IV-ECE,PEC	Gradiva Review Journal	Online Precision IoT fish Freshness Detector for Real Time Seafood Quality Monitoring	ISSN No:0363-8057
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S.Eswaran N.Reema S.Swarna IV-IT,PEC	International Journal of Creative Research Thoughts (IJCRT)	Website Creation for IT Solutions Company	Volume-13, Issue 4 April 25, ISSN No:2320-2882
M.Kavin Raj K. Nithish Kumar P.Rahul Prasath J.P.Kavi Bharathi S.R.Maheswar PCPR	Journal of Neonatal Surgery	Sustained Release Oral Drug Delivery System	Vol. 14, Issue-11 Pages 136-142

## Alumni Testimonial

### PAAVAI ENGINEERING COLLEGE

**C.NATARAJAN**  
B.Tech - IT, 2016 - 2020  
Senior Software Engineer  
Huawei Technologies, UAE



I am C. Natarajan, a proud alumnus of the Department of Information Technology, Paavai Engineering College (Batch 2016–2020). Paavai is the right place to develop our skills in an effective manner. It has taught me many valuable lessons, especially in nurturing my leadership skills. I am deeply grateful to Paavai for laying a strong foundation for my career and being a constant part of my lifelong learning journey. Thank you, Paavai.

## PAAVAI POLYTECHNIC COLLEGE



### **B.SOWMIYA**

DBME, 2021 - 2024

Service Engineer, Fresenius Medical Care  
Chennai

I would like to express my heartfelt gratitude to Paavai Institutions for providing me with a strong academic foundation and an excellent placement opportunity. The support from the faculty, the structured learning environment, and the career training programs played a crucial role in shaping my skills and confidence. The journey at Paavai was not just about academics it was about discipline, growth, values, and self-discovery. Thank you, Paavai, for everything you have given me. I will always carry these memories forward with pride and gratitude.

## PAAVAI COLLEGE OF ENGINEERING



### **K.VASANTH KUMAR**

B.E - EEE, 2018 - 2022

Server Admin Presition Groups Pvt Ltd  
Bangalore

As a student of the Electrical and Electronics Engineering Department, my time at Paavai College of Engineering was a truly enriching experience. The education I received went beyond academics. Our teachers consistently encouraged us to recognize and build on our strengths. This support and guidance had a profound impact on my life, instilling in me strong values and the determination to face challenges with confidence. I consider it a great honor to have been part of this institution, which laid a solid foundation for both my career and personal growth. I am deeply grateful to all the mentors and faculty members who played a pivotal role in bringing out the best in me.

## PAVAI ARTS AND SCIENCE COLLEGE FOR WOMEN



### **S.MONIKA**

B.Sc - CS, 2021 - 2024

Process Executive, Mahindra Next Wealth IT India Pvt Ltd  
Salem

I am Monika S , Alumina of Pavai Arts and Science College for Women, Anaipalayam. Department of Computer Science, Batch-2021-2024. Currently, I am working as a Process Executive, Mahindra Next Wealth IT India Pvt Ltd., Salem. My college experience has shaped, moulded and transformed me into a stronger and more resilient individual. The challenges and opportunities I encountered helped me discover my strengths and weaknesses, and I emerged more confident and self-assured. The college's emphasis on innovation and creativity enhanced my abilities and broadened my perspectives. The support and guidance I received from faculty and peers helped me navigate challenges and stay resilient in the face of adversity. I would like to thank the management and the staff members for making what I am today. I will always cherish the memories and lessons learned during my time here.



## Covid-19 New Variant

The number of Covid-19 cases have surged due to a list of factors including decreasing immunity from vaccines administered over a year ago, relaxed public behaviour and the emergence of a new variants with higher transmissibility.

**Covid-19** NB.1.8.1, a new Covid-19 subvariant, has been detected in India. The World Health Organisation's Technical Advisory Group on Virus Evolution has designated this variant as 'Variant Under Monitoring'-one with significant changes in virus characteristics but whose epidemiological impact remains unclear. At least one sample of this variant has been submitted to India's Covid-19 genome sequencing consortium INSACOG from Tamil Nadu. A majority of the samples sequenced in India over the last couple of weeks were BA.2 and JN.1 variants. The number of Covid-19 cases has surged in India over the past few weeks due to a list of factors including decreasing immunity from vaccines administered over a year ago, relaxed public behaviour and the emergence of a new variant NB.1.8.1, with a higher transmissibility, according to experts and reports. Changes in weather and air quality can also influence respiratory infections.



**COVID-19 cases in major cities:** The number of active COVID-19 cases in India has crossed 3,000, with Kerala accounting for the highest number at 1,336 active cases, followed by Maharashtra and [Delhi](#), according to data released by the Union Health Ministry on Saturday. Four deaths - one each in Delhi, Kerala, Karnataka, and Uttar Pradesh have been reported across the country in the past 24 hours. Tamil Nadu on Sunday reported one death, a 25 year-old male with bronchial asthma & severe acute tubular injury & incidental Covid positive status. The state currently has 189 active cases.

### Precautions to be taken amid surge in Covid cases :

- Wear a mask in crowded and polluted places.
- Practice hand hygiene.
- Stay away from close contact with the infected.

### Can JN.1 lead to complications?

JN.1 is a sub-lineage of the Omicron variant. With around 30 mutations, the virus is looking for ways to evade our immune systems. The infected who are living with co-morbidities and those who are immuno-compromised could develop complications. People with uncontrolled diabetes, chronic kidney disease, HIV and transplant patients need to be cautious. The elderly, pregnant women and children are vulnerable to it.

### Should we be concerned about the new Covid variant?

So far, there is no sign that NB.1.8.1, a 'sub-lineage of the Omicron variant', causes more severe illness than previous variants. However, early research from China suggests the variant binds more effectively to human cells, making it more transmissible.

### Is your Covid vaccine protection waning?

Covid-19 vaccines taken two years ago may still offer some immunity, particularly against severe illness and hospitalisation, but their effectiveness against infection has likely diminished, especially in the face of new variants that are more adept at immune escape. Those who received booster doses, especially updated ones, may still have more robust protection.

**Dr.Hepsi Rachel Chellarani, Principal**  
Paavai College of Nursing and Research

## GENERALLY USED AMERICAN SLANGS AT WORKPLACE

Ping - to send an email, text, message, especially to someone's mobile phone

e.g. I will ping you once the report is ready.

Circle back - to revisit a topic or task later

e.g. I circled back to the house to get my briefcase.

Bandwidth - the emotional or mental capacity necessary to do something

e.g. I don't have the bandwidth to tackle another project this week.

Low-hanging fruit - the easiest tasks or targets

e.g. Let's focus on the low-hanging fruit before we dive into complex issues.

Boil the ocean - trying to do too much at once

e.g. We shouldn't boil the ocean with this project.

Move the needle - to make a meaningful impact

e.g. This campaign could really move the needle for our brand awareness.

Game-changer - something that affects a situation very much and completely changes the way that it develops

e.g. Nobody can deny that social media has been a game-changer for marketing.

Elephant in the room - an obvious major problem or issue that people avoid discussing or acknowledging

e.g. The budget cut is the elephant in the room, so, nobody wants to talk about it anymore.

In the weeds - with so many problems or so much work that you are finding it difficult to deal with something

e.g. As the cooks were so deep in the weeds, they were threatening to walk out.

Put a pin in something - to put an end to something

e.g. Missing out on the role almost put a pin in the actor's career.

Run it up the flagpole - test the popularity of a new idea or proposal

e.g. The idea was first run up the flagpole in 1997.

Sync up - to coordinate or align

e.g. The team needs to sync up on their goals for the next quarter.

Quiet quitting - doing only what's required, no extra effort

e.g. Some employees are starting to quiet quit after the recent layoffs.

watercooler talk - casual conversation in the workplace

e.g. I miss the watercooler talk we had before remote work.

Zoom fatigue - exhaustion from too many video calls

e.g. I have got a serious case of Zoom fatigue after five back-to-back meetings.

Dogfooding - using your own product internally

e.g. We have been dogfooding the beta version for a month now.

Hard stop - a firm end time for a meeting

e.g. I have a hard stop at 3 p.m., so, let's keep this short.



**With best compliments from :**

Paavai Engineering College ( Autonomous)

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