



PAAVAI

EDUCATIONAL INSTITUTIONS

Think Education... Think Paavai.

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

PAAVAI VOICE

JANUARY - 2025

A MONTHLY BULLETIN

Editorial Board:

Chief Patron	:	CA N.V. Natarajan, Chairman, Paavai Educational Institutions
Patron	:	Smt. Mangai Natarajan, Correspondent
Publisher	:	Dr. K.K Ramasamy, Director-Administration
Editor-in-chief	:	Dr. M. Premkumar, Principal, PEC
Advisors	:	All Principals & Deans

Staff - Editorial Board:

- Dr. R. Shanthi, Professor & Head, Department of English, PEC
Dr. B. Venkatesan, Associate Professor, Department of IT, PEC
Dr. V. Subburam, Professor, Department of Mechanical Engineering, PEC
Ms. R. Saranya, Associate Professor, Department of English, PEC
Ms. F. Arul Jeevitha Mary, Assistant Professor, Department of English, PASCW



Chairman's message

Dear parents and students!

Greetings from your Chairman

It gives me immense pleasure to address you all during this significant time of the year as we celebrate the spirit of growth, knowledge, and unity. As we step into the New Year, let us embrace the opportunities it brings with hope, enthusiasm, and determination. Together, we have the power to achieve greater heights in education, innovation, and community service. Let this year be filled with learning, growth, and success. We remain committed to empowering our students, fostering collaboration, and making a positive impact.

The Pongal festival, a symbol of gratitude and prosperity, reminds us of the value of hard work and the importance of giving thanks for the abundance we receive. Just as farmers rejoice in their harvest, we, too, celebrate the fruits of our efforts in advancing education, healthcare, and societal development. Let this Pongal be a time of joy, togetherness, and renewed dedication to our goals.

As we embark on our journey toward academic and professional excellence, the National Medical Conference on 'Application of Artificial Intelligence in the Healthcare Industry' stands as a testament to our commitment to innovation and knowledge-sharing in the healthcare sector. This platform will bring together experts, researchers, and professionals to discuss groundbreaking advancements that will shape the future of medicine. The inauguration of our new Association further strengthens our collective mission, fostering collaboration and progress across diverse fields. Together, we shall continue to push boundaries and inspire change.

January also marks the celebration of Republic Day, a day that reinforces our commitment to democratic values, freedom, and national pride. This occasion reminds us of our responsibilities as citizens to uphold justice, equality, and unity. As an institution, we strive to instill these values in our students, ensuring that they contribute positively to society. Let us take pride in our nation's achievements and work towards a brighter future with unwavering determination.

Women empowerment remains a key focus of our institution's vision. We recognize and celebrate the incredible contributions of women in every field, encouraging inclusivity and equal opportunities. By fostering an environment that supports and uplifts women, we pave the way for a progressive society where everyone can thrive. Our collective efforts in education, healthcare, and leadership will ensure a future where women continue to excel and inspire.

Students, always pursue excellence with dedication and integrity. Embrace challenges as opportunities to learn and grow. Never stop asking questions, as curiosity is the key to innovation. Build strong relationships, work hard, and stay focused on your goals. Remember, your success is the result of both effort and attitude.

As we step into this promising year, let us embrace these celebrations with gratitude, purpose, and unity.

Wishing you all a prosperous and fulfilling year ahead.

Warm regards,

Chairman

NATIONAL CONFERENCE on APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) IN HEALTH CARE INDUSTRY

Paavai Paramedical Institutions collaboratively organized a one-day National Conference on the Application of Artificial Intelligence (AI) in the Healthcare Industry on 29.01.25. The inaugural session of the conference was held at Anandha Arangam, with Shri CA. N. V. Natarajan, Chairman of Paavai Educational Institutions, presided over the function. The Chief Guest of the program was Prof. Dr. K. Prakasam, Medical Director, Swamy Vivekanandha Medical College Hospital and Research Institute, Tiruchengode. Smt. Mangai Natarajan, Correspondent, Paavai Educational Institutions, lit the Kuthuvilakku along with the dignitaries on the dais. The gathering was warmly welcomed by Ms. Pooja, a student of Paavai Paramedical Institution. The Director Admissions, Director Administration, and the Principals from Paavai Institutions graced the occasion.

The scientific session was conducted at the Visvesvaraya Block. The first session was delivered by Mrs. S. Kanmani, Professor, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore, on the 'Impacts and Issues of Artificial Intelligence in Nursing Science and Healthcare Settings'. The second session was handled by Dr. Sara Saphrina, M.Sc. (N), Ph.D. (N), Associate Professor, Sri Ramachandra College of Nursing, Porur, Chennai, who spoke on The Role of Artificial Intelligence in Telemedicine and Remote Monitoring. The final session was presented by Dr. C. Silambarasi, M.B.B.S., M.D., Medical Officer at Government Hospital, Sankagiri, on 'The Future of AI: Emerging Trends and Technologies in Healthcare'. The conference witnessed the participation of approximately 470 attendees from ten different nursing colleges across Tamil Nadu. Certificates and mementos were distributed. The event concluded with a vote of thanks proposed by Ms. Sandra Prakash, followed by the National Anthem.



WOMEN EMPOWERMENT SERIES XXVI

The Women Empowerment Series XXVI, titled 'பாவையரின் பெருமை பன்முகத்திறமை', was organized on 31.01.25 at Dheeram Convention Centre. The session commenced with the lighting of the Kuthuvilakku and a prayer song. The welcome address was delivered by Ms. V. S. Nithiyasri, a second-year M.A. English student. The presidential address was delivered by Shri CA. N. V. Natarajan, Chairman, Paavai Educational Institutions. In his thought-provoking speech, he highlighted the multifaceted nature of women, drawing an example of a mother who efficiently manages household duties while handling multiple responsibilities. He emphasized the importance of respecting women for their ability to juggle various tasks simultaneously.

Following this, Ms. S. Parvatambika from I B.Sc. Computer Science introduced the chief guest, Mrs. Charumathi Muralitharan, a renowned theater artist and multilingual vocalist. She delivered an inspiring speech on how women should strive to develop multifaceted skills in all areas of life. She shared personal experiences of honing multiple skills - both academic and extracurricular - with the support of her mentors and parents. Additionally, she encouraged students to create a five-year plan for their future achievements. Smt. Mangai Natarajan, Correspondent, Paavai Institutions, felicitated the gathering and motivated students to become multifaceted personalities. The event concluded with a vote of thanks proposed by Ms. K. Vidhya from I B.Sc. CS (AI & DS).



மார்கழி இசை விழா

மார்கழி இசை விழா was held on 07.01.2025 in Pavai Arts and Science College for Women. This occasion made the students to enjoy and also made them to understand the importance of celebrating these kind of occasions. They also enjoyed the rhythm of music.



HOW TO BE A MULTIFACETED PERSONALITY

A workshop titled 'How to Be a Multifaceted Personality' was organized by PASCW, on 31.01.25 at Keerthi Hall. The session commenced with a welcome address by the Correspondent, followed by the introduction of the Chief Guest, Mrs. Charumathi Muralidharan, a renowned theater artist and multilingual vocalist. In her inspiring speech, Mrs. Muralidharan emphasized the importance of women developing multifaceted skills in all aspects of life. She shared her personal experiences of acquiring diverse skills - both academic and extracurricular - with the support of her mentors and parents. She also encouraged students to create a five-year plan to set and achieve their future goals. As part of the session, Mrs. Muralidharan conducted practical exercises, guiding participants through throat exercises, voice modulation, and vocal variations for enhanced public speaking. She also taught essential face and lip warm-up techniques and breath control methods to help students improve their confidence while addressing the audience. The workshop was an enlightening and empowering experience, leaving participants motivated and equipped with valuable skills for both personal and professional growth.



76th REPUBLIC DAY CELEBRATION'25

Paavai Institutions celebrated the 76th Republic Day at Kalpana Chawla Open Theatre. The celebration began with Tamil Thaivazhthu followed by Flag song. Shri. CA. N.V. Natarajan, Chairman, Paavai Institutions hoisted the National Flag and delivered the Republic Day address. In his speech, he emphasized that we should feel a deep sense of pride when taking oath as citizens of India. He reminded us that on this special occasion, we must honor the sacrifices made by our national leaders, who fought for over two centuries to secure Independence. Their ultimate sacrifices led to the freedom that we enjoy now. After independence, the Constitution of India was drafted in 1950 under Dr. Ambedkar's leadership, guaranteeing social justice, equality, and equal rights for all citizens. He said that, we must safeguard and value the freedom and should live with love and respect for one another, fulfilling our duties with joy, while celebrating fraternity, as this will strengthen unity and contribute to the nation's growth.



The students of Paavai Institutions performed a spectacular march-past, showcasing synchronized movements, sharp commands, and vibrant energy. Mr. C. Rathnakumar, NSS Program Officer of Paavai Engineering College was conferred with the Best Blood Donation Campaign Coordinator Award by the District Collector of Namakkal. Cadet D.Kiruthika II- B.Com.CA of Pavai Arts and Science College for Women, Youth Adventure Camp participant was recognized for securing first place in the All-India Mountaineering Training Camp in Madhya Pradesh. In addition, awards and certificates were given to students who participated in various events, including NCC, NSS, Blood Donation Campaign and Cultural events.

INSTALLATION AND INAUGURATION OF ALL ASSOCIATIONS OFFICE BEARERS

The Inauguration and Installation of office Bearers of All Associations (2024-25) was held at Paavai Engineering College on 22.01.25. The inaugural session commenced with an invocation followed by Tamil Thai Vazhthu. Smt. Mangai Natarajan, Correspondent of Paavai Institutions, lit the kuthuvilaku along with other dignitaries. In his presidential address, Shri CA N.V. Natarajan, Chairman of Paavai Institutions, shared his valuable insights on the roles and responsibilities of leadership. The Chairman addressing the newly elected office bearers, highlighted the significance of their positions and the expectations placed upon them. Director Admissions, Director Administrations, Principal, Deans, Controller of Examinations, Heads of various departments, faculty members and students attended the program.

Mr.Singai G Ramachandran, founder, The Social Media Company, Indian Institute of Management, Ahmedabad, started with a presentation acknowledging the outgoing office bearers and their achievements. The incoming office bearers were introduced, outlining their roles and responsibilities. They took a solemn oath, pledging their commitment to their duties, followed by a formal handover of responsibilities. The newly installed leader delivered an acceptance speech, sharing gratitude and outlining his/her vision for the future.



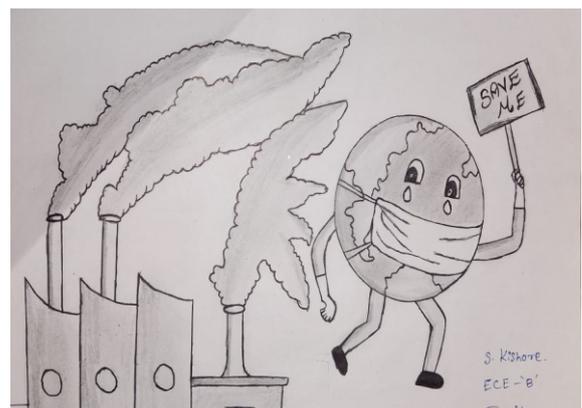
Wall of Fame



S.SABHARIDHARAN
I - AI&DS, PCE

**First, National Level Aeroskatoball
Championship 2024-2025**

Humanity



PONGAL CELEBRATION'25

Pongal Celebrations were held in Paavai Engineering College, Paavai Arts and Science College for Women and Paavai College of Education. Department of Agricultural Engineering, PEC conducted 'Pongal Celebration -2025' in M.S.Swaminathan Vayal Kudam on 10.01.25. A festival celebrated to thank God for mercies and as gratitude to the farmers and the agricultural field. The students arrived in traditional dhotis and sarees to mark the occasion. The entrance of the field was decorated with colourful Rangoli. Pongal was prepared by the department faculty members and the students with the rice grown from our Paavai Organic Farm. The ceremony was inaugurated by CA.N.V.Natarajan, Chairman, Paavai Institutions. Dr.K.K.Ramasamy, Director Administration, and Dr.M.Premkumar, Principal, PEC felicitated the occasion. Along with the Pongal Celebration, our students from Paavai Organic Farming produced the Moringa Powder in Paavai farms. Our students showcased tamil traditional games like Silambam, folk songs.



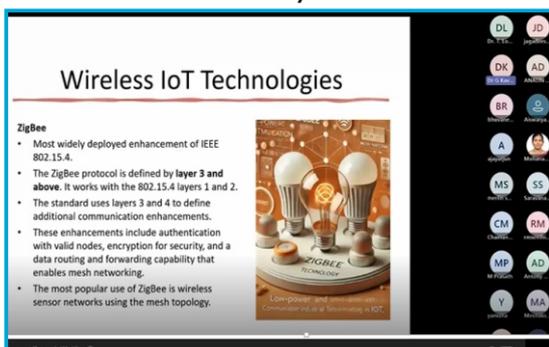
FACULTY REVALIDATION PROGRAMME

The inauguration of Faculty Revalidation Programme (FRP) for the academic year 2024-25 for the faculty members of PEC, PCE, PPC, PASCW, PCNR, PCPR, PPSC, PIAHS and PCEd were held on 09.12.24. Smt.Mangai Natarajan, Correspondent, Paavai Institutions, inaugurated the event by lighting the kuthuvilakku. The welcome address was given by Dr.K.Selvi, Dean Academics, PEC. Shri.CA.N.V.Natarajan, Chairman, Paavai Institutions delivered the inaugural address. He reaffirmed that FRP is a chiseling process and enhancement programme for the faculty members to enrich, develop, and update their professional skills in teaching and learning process. Smt.Mangai Natarajan, Correspondent, felicitated the gathering. She explained that the purpose of teaching is to have clarity in thoughts, words and expressions. Next, Prof.A.S.Kandasamy, retired Chief Engineer, TNEB and Prof.Emeritus stated that the knowledge of the fundamentals is very important for every teacher to teach clearly and confidently. The erudite panel members Dr.K.K.Ramasamy, Director Admin, Prof.A.S.Kandasamy, retired Chief Engineer, TNEB, Dr.K.Thangavel, Prof., and former Head-CS at Periyar University, Dr.Hariharan, Principal, PCE, Dr.N.Ezhili, Principal, PASCW and all the Principals were present. Totally 192 faculty members presented their topics and the expert members gave inputs to improve their domain knowledge and pedagogy skills.



FACULTY DEVELOPMENT PROGRAMME

Department of ECE organized an ATAL sponsored 6 day Online FDP on 'VLSI Design for IoT and Edge Computing' from 20.01.25 to 25.01.25. The speakers were Dr.G.Kavithaa, ASP, GCE, Salem and Dr.S. Elango, ASP, CMR University, Karnataka, Dr A Karthikeyan, ASP, SNSCT, Coimbatore, Dr.D.Arulanantham, ASP, Builders Engineering College, Tirupur, S.Sushma, Sr. TE, Enthu Technology Solutions India Pvt. Ltd. Coimbatore, Mr.A.Moovendan, TCS, Bangaluru, Karanataka, Rizwan Ahamed Ali, Senior system Architect, Insignia Financial, Sydney, Dr.T. Mohanaprakash, ASP, CMR University, Karnataka, R.Jagadeswaran, Sr. TE, Enthu Technology Solutions India Pvt. Ltd. Coimbatore, Dr. Sivakumar Muthusamy, Lecturer- EEE, University of Technology and Applied Sciences-Nizwa, Sultanate of Oman and Dr.S.Dhanasekar, ASP-ECE, Sri Eswar College of Engg., Coimbatore. Dr.R.Mohanapriya, Convener, HoD-ECE, Dr.S.Vijayakumar Prof., ECE, R.Bhuvaneshwari AP/ECE, were the faculty coordinators and 106 faculty members from various Engineering colleges attended the session.



ACADEMIC EVENTS

On the occasion of Tamil month Margali, Thiruppaavai songs were sung by the students of Pavai Arts and Science College for Women along with the faculty members. This activity was conducted for the entire month of Margali.



International Webinar on 'Study Masters in Engineering in France' was organized by Centre for Global Affairs, PEC, in association with Educate Me Group, London on 20.01.25. Dr. M. Premkumar, Principal, PEC delivered the presidential address. Resource persons from Educate Me Group Ms.Sivasangari Jothi, BDO and Mr. Martin Wilfred, Campus Manager briefed about the Master's Programme in M.S CS&DS at ESAIP University, France. They elaborated on fees, course duration and job opportunities.



CS department of PASCW organized a successful activity named 'Tech Verse' on 21.01.25 featuring two events. The first event was 'Byte to Binary Code' followed by 'Word Explore'. The next event was technical paper presentations. Ms. M. Mythili of III BCA presented on 'Dreamscape' and Ms. R. K. Santhiya of II B.Sc (AI&DS) presented on 'Smart City Using AI Tools'. These sessions provided valuable insights into AI tools and its applications.



Dept. of Aeronautical Engg., PEC, organized a 5 day drone skill training programme on 'Drone Intelligent Systems' from 20.01.25 to 24.01.25. Inaugural ceremony of training programme was presided over by Dr.M. Premkumar, Principal, PEC. Trainers from Jet Aerospace Aviation Research Center and IIT Delhi-IHFC conducted the hands-on training for the students in order to familiarize the latest trends in drone technology across the globe.



Mechanical Engineering, Mechatronics Engineering departments and the Resource Club of PEC in association with ICT Academy, organized a workshop on 'Autodesk Fusion 360' on 22.01.25. Mr.Vimalkrishnan, Senior Design Representative, ICT Academy was the resource person and gave hands-on experience in 3D modeling and designing CAD /CAM /CAE software to the students. The session was well-received by the attendees.



itude: 11.398559
gitude: 78.161336
vation: 220.8648 m
uracy: 141.5 m

Dept. of C.S., PASCW hosted a webinar titled 'Current Trends in IT' on 24.01.25. Mrs. Selvi Selvakumar, Wintel Administrator, Wipro Technologies, Bengaluru conducted the webinar and she insisted on the transformative impact of emerging technologies such as Artificial Intelligence (AI), Machine Learning, Cloud Computing, Blockchain, IoT, and Robotics.

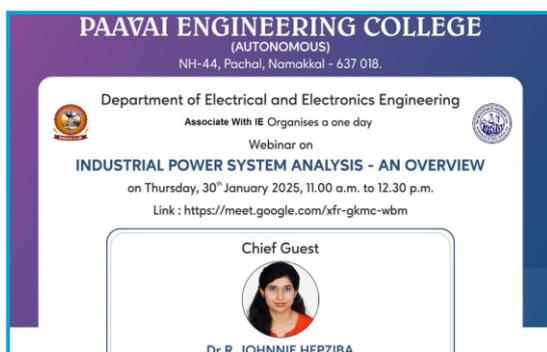


Anaipalayam, Tamil Nadu, India
C5g3+gww, Nh 44, Anaipalayam, Rasipuram, Tamil Nadu
637401, India
Lat 11.425003° Long 78.155552°

CII-IWN – 'Campus to Career Programme' was organized by PEC on 25.01.25. Dr. M. Premkumar, Principal, PEC delivered the presidential address. Ms. S. Dilshad Azim, Lead of Campus to Career at IWN, Tamil Nadu and Diversity Hub Manager, Bangalore conducted a thought-provoking session on 'Resilience and mental well-being' and Indispensable role in achieving personal and professional success.



Dept of EEE organized a webinar on 'Industrial Power System Analysis - an Overview' on 30.01.25. Dr. R. Johnnie Hepziba, ALE, Vestas, Chennai was the guest speaker. She gave a comprehensive overview about Industrial Power System Analysis and its critical role in reliability, efficiency and safety in industrial electrical networks. She also focused on the emerging trends in industrial power systems among the students.



SOCIAL SENSITIVITY

On 06.01.25, Paavai TQI, Namakkal cluster team facilitated four Namakkal panchayats schools namely Muthukapatty, Bodinakenpatty, Palayapalayam and Sivenaikenpatty. TQI team successfully completed the Day 4 session by recapitulating the previous Summit. The team also identified positives, planning, and balancing priorities among students. All the students were asked to explain about daily homework and they shared the knowledge extended from it. Finally, the team assigned homework for Day 5 thematic session.



Sarkaralayapalayam, Tamil Nadu, India
688r-8hp Government Higher Secondary School,
Sarkaralayapalayam, Tamil Nadu 637409, India

On 21.01.25, TQI Pachal Team visited Pachal Government High School in order to recognize and support the academic achievements of the students. During the visit, the team distributed cheques to the toppers of Class 9th and 10th in recognition of their hard work during their studies. In addition, the team presented a memento to the headmaster, who was instrumental in organizing summit classes.



Ananthkrishnarayasamudram, Tamil Nadu, India
C558++48 Pachal High School,
Ananthkrishnarayasamudram, Tamil Nadu 637018, India
Lat 11.409538° Long 78.165221°
21/01/25 03:09 PM GMT +05:30

On 22.01.25, Paavai TQI, Pachal Team visited Pachal Government Higher Secondary School. The team started the activities with small warmup games and continued with visual memory techniques. Later, riddles and word puzzles were played and the team also taught mind map techniques to students on common topics. Finally, TQI team narrated a moral story to the students and the three hour session came to an end by collecting feedback from the students.



On 24.01.25, Paavai TQI Namakkal Cluster Team facilitated Panchayats, Muthukapatty and Palayapalayam. The session started with a recap of Summit 1, Summit 2 and Summit 3 and began the current session by introducing prepositions to students through fun activities. Students were invited to share the experience of doing homework every day in front of other students. The session ended with the feedback from the students.



On 24.01.25, Paavai TQI Namakkal Team celebrated 'Driver's day' with drivers in Namakkal bus stand. Handmade greeting cards prepared by the students, in A4 sheets with valuable quotes were distributed to the drivers with chocolates. Drivers of Namakkal bus stand felt happy in receiving the cards and wished all the students for recognizing them on this occasion.



On 27.01.25, Paavai TQI Pachal Team visited Pachal GHSS and the session started with warmup games followed by recaps of previous days. 'Pattern Recognition', 'Mathematical Sequences', 'Puzzles and Riddles' were also conducted. Fun grammar session on nouns, pronouns, collective nouns, etc., was the highlight of the programme. Based on the sessions, worksheets were given to students to find out their level of understanding. The session ended with a moral story and feedback.



On 30.01.25, Paavai TQI team visited Ayodhyapattinam Government Higher Secondary School as part of Summit 1 (Day 4 & Day 5) and Summit 2 (Day 3,4,5). Sessions on 'warm-up games', 'pattern recognition' and 'grammar is fun' were conducted. Team storytelling was taught and in turn, the students narrated the stories in team. Decision-making skills, a specialized session was also imparted for the students. Another session on 'Magic of Appreciation' was well received by the students.



On 31.01.25, Paavai TQI, Namakkal Cluster Team conducted thematic session for the 9th grade Government school students in Palayapalayam village. A general quiz on the Constitution of India was asked to the students in order to enhance their general knowledge. Finally, the session concluded with motivation of the organizers and feedback from students.



On 31.01.25, Paavai TQI, Pachal Team visited GHSS, Pachal. As usual, warm-up games and recaps were conducted in the beginning. Later, a session on 'Time Management' was conducted to the students so as to enrich the students in leadership skills. Inspirational stories and team work practices were also taught to the students. Towards the end, students were informed to be socially responsible and the session came to an end by collecting feedback from the participants.



4 Star Rating for PEC

Paavai Engineering College (Autonomous) has received the 'highest star' rating of '4' in the innovation and startup related activities from the Ministry of Education, Government of India. At the same time, we feel proud for making all our five mentee institutes to improve their star ratings.



Paavai Engineering College has secured 8th time consecutively All India Rank 1,

We are proud to announce that Paavai Engineering College has once again secured All India Rank 1 in the Annual Ranking, marking our 8th consecutive time of this prestigious achievement. This remarkable distinction reflects our unwavering commitment to academic excellence, cutting-edge research, and holistic student development. At Paavai, we prioritize outstanding internship opportunities and career development initiatives that empower our students with the skills and knowledge needed to excel in their professional journeys. Our consistent top ranking stands as a testament to the dedication of our faculty, the perseverance of our students, and the strong industry collaborations we foster. We extend our heartfelt gratitude to our students, faculty, alumni, and industry partners for their continued support in upholding Paavai Engineering College's legacy of excellence.



Faculty Journal Publications and Patents

Name of the Faculty with designation	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
Dr.S.Vijaya kumar Prof-ECE, PEC	Springer	Synthesis and Optimization of a Compact Wideband Trapezoidal Stepped Patch Antenna for Dual-Band Applications	http://doi.org/10.1007/s11468-025-02789-9
Dr.P.Muthusamy Prof-CYS, PEC	Scientific Reports	Machine Learning Boosts Wind Turbine Efficiency with Smart Failure Detection and Strategic Placement	https://www.nature.com/articles/s41598-025-85563-5
Poongodi R K AP-CYS, PEC	IJCT	Exploring the Use of Flipper Zero in IoT Vulnerability Testing	IJCT-V12L1P4
Poongodi R K AP-CYS, PEC	IJARIT	Assessing Organization-Specific Vulnerability Patterns- (Identifying Unique Weaknesses within the Organization's Systems, Processes, and Culture to Proactively Address and Mitigate Risks)	IJCT-V12L1P4
Dr.G.Madasamy Raja Prof-IT, PEC	Journal of Texture Studies	Predicting Color Development and Texture Changes in Tomatoes Treated with Hot Water and Exposed to High-Temperature Ethylene using Support Vector Regression	https://doi.org/10.1111/jtxs.70004
Dr. G. Madasamy Raja, Prof-IT, PEC B.Deepa, AP-IT, PEC S.Rajesh ASP-IT, PEC	IEEE Xplore	HNNLS: Robust Design to Identify Textile Fabric Defects using Hybrid Neural Network Assisted Learning Strategy	DOI: https://ieeexplore.ieee.org/document/10780104
Dr. G. Madasamy Raja, Prof-IT, PEC S.Rajesh ASP-IT, PEC	IEEE Xplore	Poultry Diseases Diagnostics using Deep Learning Techniques	DOI: https://ieeexplore.ieee.org/document/10780092

Genius is one percent inspiration and ninety-nine percent perspiration. - **Thomas Edison**

Student Journal Publications and Patents

Name of the Student with Dept	Name of the Journal / Patent	Title of the Article / Patent	Reference No.
R.Arasu Vennapusa Sudha Rani S.Sakthivel III-CYS, PEC	IJCT	Exploring the Use of Flipper Zero in IoT Vulnerability Testing	IJCT-V12L1P4
M.Ponnarasu R.Prithika A.Mohamed Aadhil J.Sheethal III-CYS, PEC	IJARIT	Assessing Organization-Specific Vulnerability Patterns- (Identifying Unique Weaknesses within the Organization's Systems, Processes, and Culture to Proactively Address and Mitigate Risks)	V1111-1246

RESEARCH METRICS

H-index

Introduction

- The h-index is short for the Hirsch index - Jorge E. Hirsch (2005).
- It's a metric at the author level that tries to measure both the productivity and citation impact of a scientist's or scholar's publications.



Calculating and Metric

- The h-index is simply a count of the largest number of papers (h) from a journal or author that have at least (h) number of citations.
- It arranges a researcher's published articles from highest to lowest citation count.
- It marks the point where citations equal or exceed the paper's rank
- Although the h-index varies per discipline, it allows comparison within comparable fields.

Increasing your h-index

- To increase the h-index, one must publish papers of high quality.
- The researcher should ensure that he/she has not published any article in predatory/fake journals.
- Researchers should make sure that they have not published any articles in predatory or fake journals.
- However, publishing more review articles may result in more citations, ultimately increasing a profile's h-index.

Evaluating Academic Careers

- The h-index is used for assessing academic careers, particularly hiring and promotion decisions, and to compare scholars in the same field.
- Academic institutions and funding bodies use it to assess scholars for promotions, tenure, and grants.

Example for Calculation

- For example, an h-index of 17 means the scientist has published at least 17 papers, each cited at least 17 times.
- The scientist's h-index remains 17 if their 18th most cited paper has only 10 citations.
- However, if the 18th most cited paper was cited 18 or more times, the h-index would increase to 18.

i10-index

Introduction to the i10-index

- Google Scholar introduced the i10-index in 2011.

Simple and Straightforward Indexing

- It is a basic index. Just count how many papers in a journal have 10 citations or more.
- The 10-citation benchmark is easy to grasp and sets a clear standard for what qualifies as a well-cited paper.

Complementing Other Metrics

- It works well with other measures like the h-index, giving more details about a researcher's productivity and influence.
- The i10 index also boosts the value of any student's profile.

Calculation and Accessibility

- The main advantage of the i10 index is that it can be calculated very easily.
- Google Scholar provides easy and free access to these metrics.

Indication of Quality Work

- A higher i10-index means consistently producing great work, which is crucial for success.
- Connecting with Google Scholar makes it easier to access and use for academic and research assessments.

Example of i10-index Calculation

- An i-10 index of 25 indicates that for every 25 articles published, the researcher has received at least 10 citations.
- This index varies among researchers, mainly based on their research subject and sub-sections.

What is G-index?

It is another level of measuring research metrics. It was suggested by Leo Egge in 2006. In general, the h-index include a citation count of highly cited papers. But g-index helps in boosting the profile of a researcher by giving preference to highly cited papers. G-index is basically an advanced version of the h-index. G-index measures the citation performance for a set of articles. A g-index of 20 indicates that the top 20 publications in a researcher/author profile are cited by 400 times (20^2). Similarly, a g-index of 10 indicates that the top 10 publications in a researcher profile are cited by 100 times (10^2).

Sources: i) <https://researchbrains.com/what-is-h-index-2-i10-index/>

ii) https://phdtalks.org/2022/03/explaining-h-index-i10-index-g-index-other-research-metrics.html#What_is_h-index

Alumni Testimonial

PAAVAI ENGINEERING COLLEGE



T.DIVAKARAN
B.E - ECE, 2019 - 2023
Quapt Technologies Pvt Ltd,
Chennai

I am proud to be an alumnus of PEC, Namakkal, where I completed my B.E., ECE as part of the 2023 batch. My journey at Paavai has been an incredible blend of academic excellence, personal growth, and professional preparation. Joining Paavai as a passionate and determined student, I had the privilege of benefiting from an environment that fostered both technical knowledge and soft skills. Their guidance, state-of-the-art resources, and unwavering support enabled me to excel in my studies and placement opportunities. I am currently working at Quapt Technologies Pvt. Ltd., Chennai. The foundation built at Paavai has played a pivotal role in shaping my career and has given me the confidence to take new responsibilities and thrive in the industry. The opportunities and support I received from the college, especially from the management and faculty are enormous. I am deeply grateful for the experiences that helped me evolve not just as a professional but also as an individual. PEC will always hold a special place in my life, as it has been the cornerstone of my growth and achievements. My heartfelt thanks to my alma mater for making my dreams a reality.

PAAVAI COLLEGE OF ENGINEERING



S.ANANDHAN
B.E EEE, Batch - 2020- 2024
Site Engineer, Voltech Pvt, Ltd,
Gujarat

As a student of EEE Department, it was a wonderful learning experience because we did not only receive knowledge but also encouragement and feedback to work on our strengths. This constant encouragement from my teachers changed my life. I learned a lot from them. They taught me values and how to face life with determination. It was an honour for me to be a student of Paavai College of Engineering. It has helped me to lay a strong foundation for my career and my professional life. I am immensely thankful to all the pillars of strength for bringing out the best in me.

PAVAI ARTS AND SCIENCE COLLEGE FOR WOMEN



M.AMRIN FATHIMA
B.SC - CS - 2021-2024
Process Executive, Mahindra Next Wealth IT India Pvt, Ltd,
Salem

I am Amrin fathima M, Alumina of PASCW, Anaipalayam. Currently, I am working as a Process Executive at Mahendra Next Wealth IT India Pvt Ltd. My college experience has shaped 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 enhances 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 college administration and the staff members for forging me into the person I am today. I will always cherish the memories and lessons learnt during my study here.

ENGLISH GROVE

PLURALS

Singular		Plural
alumna (woman)	-	alumnae (women)
alumnus (man)	-	alumni (men)
curriculum	-	curricula / curriculums
datum	-	data
addendum	-	addenda
erratum	-	errata
medium	-	media
stratum	-	strata
fungus	-	fungi
analysis	-	analyses
basis	-	bases
thesis	-	theses
axis	-	axes
oasis	-	oases
parenthesis	-	parentheses
hypothesis	-	hypotheses
criterion	-	criteria
syllabus	-	syllabi/syllabuses
phenomenon	-	phenomena

Words that do not take up a plural form

insurance	advice	stationery	alphabet
cardboard	scenery	luggage	baggage
jewelry	homework	livestock	behavior
software	footwear	knowledge	transport
police	education	bravery	experience
greed	clarity	honesty	evidence
insurance	curiosity	satisfaction	work
weather	patriotism	chaos	scenery
fun	wisdom	silence	money

The words which are always used with 's' should not be mistaken as plurals

news	scissors	politics	economics	mumps
jeans	snacks	sports	goods	tips
wages	pants	forceps	shorts	innings
shoes	specs	physics	arrears	measles

Paavai in Press



படிக்கல் கல்லூரிகளில்
நிறுட்ப கருத்தரங்கு

30-...
தாங்கினார். தாளாளர்
மங்கை குத்துவிளக்கேற்றி
வைத்தார். கருத்தரங்கில்
சிறப்பு விருந்தினராக நிருச்
செங்கோடு சுவாமி விவேகா
னந்தா மெடிக்கல் காலேஜ்
...
ஆர்.டி.பி.சியல் இன்டெலி
ஜென்ஸ் துறையின்-பல்வேறு
தலைப்புகளில் மருத்துவத்
துறை வல்லுநர்கள், முதல்வர்
கள், பேராசிரியர்கள் கலந்து
கொண்டு கலந்துரையாடி
னர். இதில் சேலம், நாமக்கல்,
கரூர், கடலூர், கோவை உள்
பட பல்வேறு மாவட்டங்
களில் இருந்து மாணவ,மாண
விகள் கலந்து கொண்டனர்.

பாலை வித்யாஸ்ரம் குழும பள்ளிகளில்
குடியரசு தின விழா



நில் குடியரசு தின விழா கொண்டாட்ட



ராசிபுரம் ஜன 24: ராசிபுரம் பாலை கல்வி நிறுவனங்களில் அணைத்து
... பாலை கல்வி நிறுவனங்களில் அணைத்து ... பாலை கல்வி நிறுவனங்களில் அணைத்து ...



With best compliments from :

- Paavai Engineering College (Autonomous)
- Paavai College of Engineering
- Pavai College of Technology
- Paavai Polytechnic College
- Pavai Arts & Science College for Women
- Paavai College of Education
- Paavai Teacher Training Institute
- Paavai College of Pharmacy and Research

- Paavai College of Nursing and Research
- Paavai Institute of Allied Health Science
- Paavai Physiotherapy Science College
- Paavai Vidhyashram CBSE School
- Paavai Matriculation Higher Sec. School
- Paavai Vidhyashram School - Salem Campus
- Paavai IAS Academy
- Paavai Nrithyalaya

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