



PAAVAI

EDUCATIONAL INSTITUTIONS

Think Education... Think Paavai.

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

PAAVAI VOICE

JANUARY - 2023

A MONTHLY BULLETIN

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Chairman's message

Dear parents and students!
Greetings from your Chairman!

I am delighted to present the January 2023 'Paavai Voice' which will give you a glimpse of the academic and non-academic achievements, research and innovations.

Education makes younger generation learned, cultured, refined, insightful and shrewd. Paavai is staunch in its vow to offer quality education of universal standards to the students who are about to step into the professional globe full of opportunity. In our institution, we encourage and promote students to desire for higher targets with the blend of academic, co-curricular and extra curricular.

It is a pride moment to share that J. Hemaharitha, II B.E. Mechanical, PEC has participated in Republic Day Parade Camp 2023 from 1st to 31st January 2023 at New Delhi. Paavai Engineering College has been selected as the representative of the State Level Consortium of Institution Innovation Council for 14 districts under the category of Self financing Colleges for the academic year 2022-23.

Paavai visualizes a new society based on social integrity and self-esteem, which would be possible on earth only by future citizen of India. This in-turn presupposes the presence of potential and committed students, who in turn mould the society of our country. Our protocol serves as a scope and facilitates the students to effectively face ethical challenges. The etiquette provides the direction and path to carry ourselves.

Research is a vital chunk of any course. Innovation has made our lives simpler, and all people have become completely reliant upon innovation. Nurturing originality and stimulating modernization and novelty are the bare bones of thriving education. Paavai delivers comprehensive education by providing outstanding symmetry between the contemporary stance and conventional values.

As the Chairman of this Institution, I take this opportunity to congratulate the resourceful energies of the scholarly society for bringing up our students to sky-scraping and bring glory to the world and their profession with the wings of education. I am confident that with the dedicated and earnest efforts of our academicians, the support of the parents, Paavai will prosper with a gleaming path to quality and as a renowned institution.

PONGAL CELEBRATION by PAAVAI VELAAN MANDRAM

The Department of Agriculture Engineering celebrated 'Pongal festival' in M.S.Swaminadhan field on 12.01.23. A festival to thank God for all his goodness and mercies and to look forward for a prosperous year. The students arrived in traditional dhotis and sarees to mark the occasion. The celebration started around 9:30 a.m. The entrance of the field was decorated with colourful Rangoli. Pongal was prepared by the staff and students. The ceremony was inaugurated by our respected chairman Shri.CA.N.V.Natarajan and our Correspondent Smt.N.Mangai Natarajan. Pongal was offered to the sun god on the occasion in a specially decorated pot with religious fervour. Dr.K.K.Ramasamy, Director Administration, Dr.M.Premkumar, Principal, were also present. In the remembrance of our tradition dance our students performed 'Kummi and Silambam'. Sweet Pongal was distributed to all the students. Traditional games like Uriadithal and Kabaddi were conducted. Everybody left home with memories as it was yet another joyous celebration in Paavai Engineering College.



Wall of fame

Republic Day Parade at New Delhi - 2023

Paavai Engineering College NSS volunteer Ms.J.Hemaharidha, second year B.E. Mechanical Engineering was actively participated in NSS Republic Day Parade Camp 2023, New Delhi from 1st January 23 to 31st January 23. She was selected from the South Zone Level (South India Level) Pre RD Camp from 09.11.22 to 18.11.22 at Swamy Saswathikananda College, Poothotta, Eranakulam, Kerala. She was selected from Anna University Pre-RD Camp held on 11.10.22 at Anna University Regional Campus, Coimbatore.

On what basis you were selected for the Republic day National Parade?

We have lots of process in getting selected. Initially, I got selected from our college by running 1600 m in 8.2 min. This was the entry level selection. Then, I had Anna university selection where we have to perform well for 75 points from running and cultural. Then, I got selected in state level and was sent to Ernakulam for the final call selection. In the last session we were trained to March for 5 km and the best members were selected.

How did you feel when you were informed about your selection?

I never imagined that I would get selected as I was first selected as substitute and then after a couple of days, I came to know that I was also one of the main members of RD parade. I felt like dream come true moment for me.

Can you brief your experience about the participation in National Parade?

It was the toughest period of my life, In the beginning the climate shift was very difficult for me but after a week I got used to it. We had many training sessions from morning 4 a.m to 6 p.m. It was really tiring process and yet an important experience for me. On the eve of pongal celebration, I performed Bharatnatyam. I have got many new friends and learnt new life lessons.

How was your training period?

As I mentioned earlier, it was very tiring and heavy training session but also had small good memories.

How did you feel when you reached the destination as many participants would have come from different states?

At first, I felt nervous, but Tamil Nadu troop had members who knew Hindi. So, it was convenient. Moreover overall communication was done in English.

Was interacting with co participants was difficult or easy?

I felt comfortable because they were very friendly and helpful in time of need. We felt like at home.

How did you join NSS?

I joined NSS because my father always inspired me to serve the society through social activities. I've always contributed volunteering since my school days. Here in Paavai, I was selected in first year.

Wall of fame

NCC Commendation Award

NCC Cadet, Saburna, a third year student of Bachelor of Computer Applications is an NCC Cadet who received DG NCC Commendation Award of the year 2022 with a reward of Rs. 2500/-.

NCC (National Cadet Corps) India is one of the most powerful organisations in India. It is a platform for the youth of India to develop life skills, leadership qualities and youth exchange programs. Every year the NCC declares DG NCC Commendation Award. Saburna has received the award this year. A cadet is tested on various grounds like drill, weapon shooting, turn out, written exam and interview and also the overall conduct.

When Saburna was interviewed, she said that she was interested to do something for the society, which would help her to score marks in Government Exams too and so she joined NCC. It's been three years since she joined NCC in Pavai Arts and Science College. She said that being an NCC cadet is not so simple. She worked hard during the practice session, and faced many obstacles. She was trained in the ground not bothered about rain or sun. In the training if someone makes any mistake, the whole team was punished by doing duck walk or run the whole ground twice or thrice which was very hard. She faced all the challenges with a bold heart and a dedicating mind which has grossed her all the qualities of being a leader. Her family supported her in everything. She was inspired by Nethaji Subash Chandra Bose. Her desire to be a lady Nethaji made her receive this award.

Saburna had to face indeed a tough competition with other cadets in order to get selected for the award but she cleared the requisite parameters with flying colours and emerged as a clear winner. She stated that winning the Award turned out to be a memorable one for the college. Winning such honours is a dream for every cadet joining the NCC.

The entire paavai family wishes Cadet Saburna the very best of everything in future.



CADET SABURNA
Sl.No.102. TN20SWA867032
DG NCC Commendation
Award Winner 2022
III BCA, PASCW

ACADEMIC EVENTS

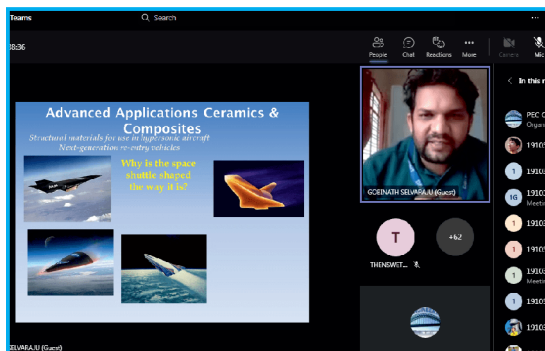
An Alumni Guest Lecture was organized by the Department of Mechanical Engineering in association with the Resource Club on the topic 'Indian Navy – A Way Of Life' on 03.01.23 at Kalam's Chamber, Mr.Arun Ravindran, Lieutenant Commander, Indian Navy, DRDO, Balasore, Orissa was the chief guest. Dr.M.Premkumar Principal gave the presidential address. He told that people serving in the defence, risking their lives for our country are our real heroes. The alumnus Mr. Arun Ravindran went down the memory lane and remembered his college days when he was the secretary of Society of Mechanical Engineers and organized Symposiums actively. The Lieutenant Commander spoke elaborately about various aspects of Indian Navy and used videos and power point presentation. He told that Navy Officers are personally appointed by the President of India.



Twenty two students from Paavai Engineering College along with Dr.P.Pugalenth, ASP, Mechanical Engineering attended the 'Build Your Business Expo-2023' held at Sri VaralakshmiMahal, Salem on 08.01.23.



A one-day technical webinar on the title 'Recent Advances In Construction Materials Testing' was organized by the Department of Civil Engineering in association with Paavai Civil Engineering Association, PEC on 09.01.23. Dr.M.Premkumar, Principal, Paavai Engineering College delivered his presidential address. He elaborated the purpose of various construction materials used in concrete. Mrs.K.Sharmiladevi, Head of the Department introduced the speaker and gave an overview about the need for construction materials testing. Prof.Gobinath Selvaraju, Assistant Professor, Department of Civil Engineering, Don Bosco Institute of Technology, Bengaluru was the resource speaker.



The department of English in association with 'English Club' conducted a contest 'unscramble the scrambled words' on 10.01.23. It is an activity for the students to know about the spelling as well as the meaning of the particular words. Words like charismatic, bloom, sunshine, modest, and earnest were given to the students in scrambled form and were asked to unscramble them. The students actively took part in the competition and Pola Tanmai, I AI&ML got first prize, Subaranajana Mani, I ECE C got second prize and Subhasini, I Agri bagged the third prize. Nearly, 84 students actively participated in this competition.



Orientation session on 'IIC 5.0 and features' was conducted by Mr.G.K. NanthaKumar, Managing Director, MD, Skilift Consulting and MIC driven activity was organized by AICTE on 11.01.23 and around 50 faculty members including IIC, EDC, ARIIA coordinators, Innovation Ambassadors and 400 students from various departments attended it.



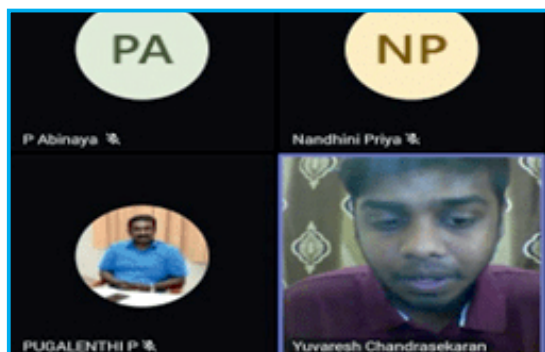
The Department of Science and Humanities in association with Institution's Innovation Council and Entrepreneurship Development Cell, PEC organized a one day Guest lecture on 'National Youth Day 2023' on 12.01.23. He shared his knowledge, innovative thoughts, ideas and explained briefly about various interesting information about life skills. He also extended his talk on how to be the successful person. The session was very energetic and informative.



On 13.01.23, the Pongal day celebration was held in PASCW. The eventful day began with the eye - catching display of the rangoli, kabadi, uri adithal and musical chair, marking the tradition of the tamil culture. The echoes of the words 'Pongalo Pongal' kept echoing in and around the campus as the Pongal pot boiled to the brim. The special day was marked by the Pongal Pooja which was performed in the presence of the Director-Administration and Director Admissions of Paavai Institutions. Staff members and the students created a mystic feel by singing Bhajans after the Pooja.



The Institution's Innovation Council in association with the Entrepreneurship Development Cell organized a webinar to celebrate 'National Startup Day' on 16.01.23. The objective of the webinar was to celebrate and stress the importance of National Start-up Day. Mr.Yuvaresh Chandrasekaran, Founder and CEO – FUINN Tech, Founder and COO – MNMarketzy Solutions, Chennai was the resource speaker. In his address, he elucidated the different ways to identify the ideas to start a business. He also explained about the four steps for any business or start-up like Idea generation, expansion, selection and feasibility. He also explained the hurdles he came across while initiating his startups. Around 350 members participated.



Shardeum Awareness Program in Web 3.0 to create DAPPs was organized by the Google Developer Students Club, Paavai in association with Shardeum on 20.01.23. It was a learning session for all the members of GDSC. Dr.M.Premkumar, Principal delivered the presidential address, followed by the guest speaker of the day, Mr.Prayasu , developer at Shardeum and Mr.Manoj , a content writer at Shardeum. The fundamentals of block chain and the market's need for block chain were discussed. The necessity of Web 3.0 was explained by Mr.Prayasu.



The Department of Management studies, Paavai Engineering College organized a guest lecture on 'Entrepreneurship Skill Attitude & Behavior Development' on 21.01.23. Dr.D.Ganesan, Professor, MBA, Sona College of Technology was the chief guest. He started the session by sharing the life experience of many successful Entrepreneurs after facing many kinds of problem.



The 73rd Republic Day celebrations were celebrated at the Kalpana Chawla Open Theatre on 26.01.23. Shri. CA.N.V.Natarajan, Chairman, Paavai Institutions presided over the event. He received a general salute from the students in the parade and raised the National Flag. Certificates were given to the students who participated in NCC , NSS, Blood Donars and cultural events. Mrs.Mangai Natarajan, Correspondent,Vice Chairman, Secretary, Joint Secretary, Director Admissions, Director Administration, Deans, COE, Heads, faculty members and students of Paavai Institutions were present.



The Entrepreneurship Development Cell of Paavai Engineering College in association with the Institution's Innovation Cell has conducted a two day 'Residential Ideation Boot Camp' from 27.01.23 to 29.01.23 for the students of Paavai Engineering College, Paavai College of Engineering, Paavai College of Technology, Paavai Polytechnic College and Paavai Arts and Science College for Women. Mr.R.G.Nawin Krishna, Founder, Startup Payanam, Coimbatore and Mr.N.Mohan Nivas, Director-DECIDUO LLP, Anthiyur were the resource persons.



The Department of ECE organized the Fine Arts Club event titled 'Vibrant Deck' on 28.01.23 at 2.00 p.m. It was attended by 68 students from all the departments of PEC. Dr.P.Muthusamy, Professor and Head, Department of MCA and Cyber Security was the Jury. He encouraged the students to participate in these types of events to bring out their inherent talents. K. Kalaiyarasan and V.Dharanidharan team from II year ECE got first place. Mr.G.Nandhakumar, Fine Arts Club coordinated the event.



The Institution Innovation Council (IIC), the Indian Society for Technical Education (ISTE), and the department of IT PEC jointly organised a one-day seminar on business model canvas on 28.01.23. Dr. M. Premkumar, President of the IIC, presided over the function. In his presidential address, he explained the rising evolution of startup programs in India in detail. Mr. K.M. Elango, a serial entrepreneur, CCI expert, and digital transformation specialist, explained briefly the bloom of startup programs by entrepreneurs with innovative ideas and a scalable business model. The chief guest clearly answered the queries raised by the students.



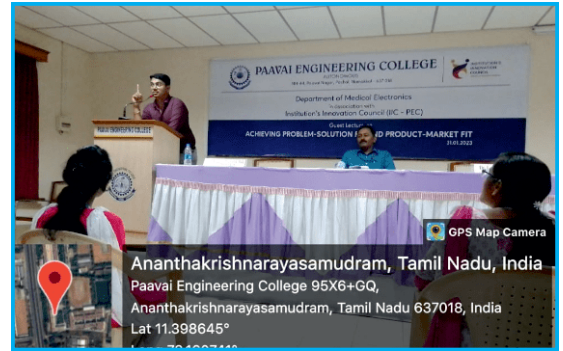
Paavai Engineering college along with PEC-IIC conducted a seminar on 'Commercialisation of Lab Technologies and Technology Transfer' on 31.01.23 for the food technology and pharma students. The resource person of the day Mr. Shurya Rajendran, Head of Business Development, Amilma Ice-creams, Namakkal enlightened the students on product evaluation and the importance of finding solutions for the problems. He insisted the necessary process of transferring technologies correlating India's position in technology commercialization. He also suggested the students to explore various funding platforms and opportunities like NaViC. The students interacted effectively and had a fun filled session.



The Constructors Club, department of Civil Engineering, Paavai Engineering College organized 'Tests on Construction Materials' on 31.01.23. In this event, 54 students of II, III and IV year from civil department participated. Materials including cement, fine aggregate, and coarse aggregate were distributed to each squad. They conducted laboratory tests for the supplied materials within the allotted hour. The main goal of this event was to create awareness about the numerous tests done on the concrete construction materials. Students learned about the advancements in testing for construction materials.



IIC, PEC organized a motivational session on 'Achieving problem- Solution Fit and Product-Market Fit' on 31.01.23. Mr. S. Harsha Vardhan Kumar, Managing Director, Sri SMS Textiles Pvt. Ltd, Cauvery Hi-Tech Weaving Park, Erode, was the resource person. Dr.M.Premkumar, Principal, PEC delivered the presidential address. Ms.I.Naveena Evangelin, IV Biomedical Engineering introduced the guest. The guest speaker shared his knowledge on Startup and Entrepreneurship development. The program came to an end with the vote of thanks proposed by Dr. R. Mohana Priya, ASP, ECE of PEC.



The Department of EEE of PEC organized a webinar on the topic of 'Hybrid inverter overview and it's technical Trends' on 31.01.23 through the Microsoft Teams platform under Energy Club and IIC, ISTE. Er. Suresh Thangavel, Global Application Manager, Infineon Technologies India Pvt Ltd, Germany was the resource person. The resource person explained about the significance of Photovoltaic system, advanced Inverter typologies functions and their performance analysis. He also elaborated on choice of topology, hybrid inverter, and chip technology for hybrid inverter.



AWARDS

Paavai Engineering College has been selected as the representative of the state level consortium of Institution's Innovation Council (IIC) for 14 districts under the category of Self Financing/Private Colleges for the academic year 2022-2023.

Consortium Representative of State Level Consortium of IICs		
Niyakur, Cuddalore, Kallakurichi, Karur, Mayiladuthurai, Nagapattinam, Namakkal, Perambalur, Pudukottai, Salem, Thanjavur, Thiruvannamalai, Tiruchirappalli, Tiruppur		
An Affiliating University	Periyar University	Salem
Colleges / Institutes (Govt. & Govt. Aided)	Sri Sarada College for Women Autonomous	Salem
	Paavai Engineering College	NAMAKKAL
	Kongunadu College of Engineering and Technology	Tiruchirappalli
	M.A.M. School of Engineering	TIRUCHIRAPPALLI
Colleges / Institutes (Private / Self Financed)	Holy Cross College (Autonomous), Tiruchirappalli	TIRUCHIRAPPALLI
	M.KUMARASAMY COLLEGE OF ENGINEERING	KARUR
	Sona College of Technology	SALEM
	Cauvery College for Women	Tiruchirappalli
	Vallovar College of Science and Management	Karur
	Vinayaka Mission's Kirupananda Variyar Engineering College	SALEM
Institute of National Importance & Central Universities / CFTIs	National Institute of Technology	Tiruchirappalli
University & Deemed to be University (Govt. & Govt. Aided)	Annamalai University, Annamalai Nagar	Cuddalore
University & Deemed to be University (Private / Self Financed)	VINAYAKA MISSION'S RESEARCH FOUNDATION	Salem
	Periyar Maniammal Institute of Science & Technology (Deemed to be University)	Thanjavur

SOCIAL SENSITIVITY

On 07.01.23, Paavai TQI volunteers went to 5 villages in Dharmapuri to complete the Summit-1 class on 'Mission Sumrudhi' Project. They took classes for panchayat schools in urban areas. The session was filled with knowledge and fun games. One of the student said that, the session was memorable.



On 08.01.23, the Summit-2 classes for Mission Samrudhi Project was completed by Talent Quest for India volunteers in Dharmapuri. They took this session for 6 different schools in 6 villages simultaneously. This session was related to Science and career opportunities.



On 10.01.23, volunteers from Talent Quest for India-volunteers completed their ULLAS Summit-2 at Government Higher Secondary School, Nallipaliyam ,Namakkal for students of standard 9. On this session the students learnt about Visual Memory Technique . The volunteers separated the students into several small groups and insisted them to do several activities to practice visual learning techniques lively. Overall, it was another memorable session for TQI volunteers.



On 10.01.23, NMMS session was taken at Government Higher Secondary School, Namakkal North . Trainers from Talent Quest for India took the class for both Tamil and English medium students. Since it was maths class, trainers solved problems and cleared their doubts and they were keen on clearing their doubts and helped them to understand the concepts.



National Service Scheme, PEC Government Hospital, Namakkal and Government Hospital, Rasipuram jointly organized the Blood Donation Camp on 12.01.23 on the college premises. Dr.R.Senthilkumar, Blood Bank Medical Officer, Government Hospital, Rasipuram, Dr.Sudha, Medical Officer, Primary Health Center, Pudhuchattram, Health Inspectors and Mr.C.Rathnakumar NSS Programme Officer, were present and they encouraged the students to donate blood. The students of Paavai Engineering College eagerly participated in the camp and donated their blood. Totally 191 students donated their blood.



TQI Volunteers had completed the ULLAS summit day3 session on 20.01.23 in Government Higher Secondary School, Nallipaliyam, Namakal. The topic of this session was related to English Grammar and mind map . Each and every topic was completed with a fun activity which enabled the students to understand it in a effective way



TQI Volunteers had completed the ULLAS Summit day3 session on 20.01.23 in Government Higher Secondary School, Mallur , Salem. The topic of this session was related to English Grammar and mind map .At the end of the session students asked lots of doubts in each topic and our volunteers was very much happy after getting to know that the students were understood the topics.



On the account of Mission Samrudhi, classes were taken on 22 & 23.01.23 at various villages in Dharmapuri District . Day 1 was about Identifying positive things and Day 2 is about visual memory techniques.



With respect to the NMMS Scholarship Exam Training, volunteers from Talent Quest for India has completed their ground session on 24.01.23 at Government Higher Secondary School, Namakkal North. For the students of English medium students Social Science class was taken and for Tamil medium students Science class was taken . At the end of the session trainers helped them to formulate the study plan for the school students.



On 27.01.23 Namakkal team volunteers of Talent Quest for India had completed their ULLAS Summit day 4 with 3 volunteers. The sessions were on preposition, articles and cross word puzzles . The session was completed in a effective way.



On the account of Mission Samrudhi, volunteers from Talent Quest for India had taken the classes for the 5 schools in Dharmapuri. They completed their summit – 4 & 5 on 28 .01.23 & 29.01.23. English grammar was the main focus of day4 and for day5 it was brain storming .Each student was given chance to try grammar activities. At the end of the session students were allowed to solve fun puzzles.



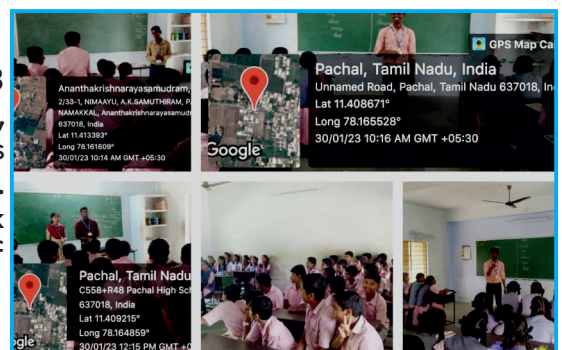
Volunteers from Talent Quest for India has completed their summit day 4 in Namakkal district for over 5 villages on 28.01.23 with 15 volunteers. The sessions were filled with many group activities.



TQI volunteers took summit 1 with 7 volunteers on 30.01.23 for the students of Pachal Government Higher Secondary School, Pachal. They started the class with a warm up session followed by visualization techniques and brainstorming. Students were instructed to give a try in creating mind map. At the end they distributed the cheques for the students.



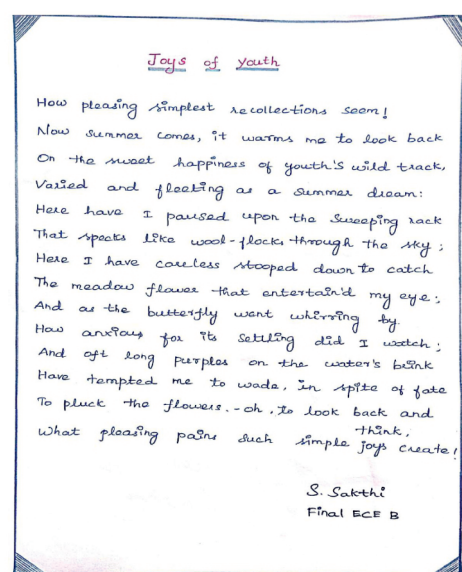
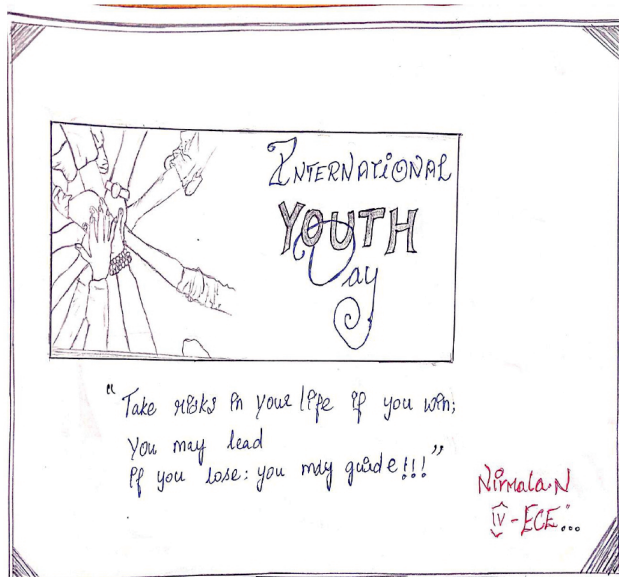
Mallur team TQI volunteers took summit 4 & 5 on 31.01.23 for the students of Government Higher Secondary School, Mallur. Students welcomed volunteers with a smile. Students were taught English grammar and how to narrate stories. Volunteers enriched the students on the topic teamwork exhibiting their own story of teaching students. At the end of the session students were made to play fun activities.



National Youth Day



Natish Kumar.S.
ECE - II year.



Faculty Revalidation Programme

The inauguration of Faculty Revalidation Programme (FRP) for the academic year 2022-23 for the faculty members of Paavai Engineering College, Paavai College of Engineering, Paavai College of Technology, Paavai Polytechnic College, Paavai Arts and Science college for Women, Paavai College of Nursing and Research, Paavai College of Pharmacy and Research, Paavai Institute of Allied Health Sciences and Paavai Physiotherapy Science College was held at the Smart Hall by 02.00 p.m. on 23.01.2023. The programme started with the prayer song.

Smt.Mangai Natarajan, Correspondent, Paavai Institutions, inaugurated the event by lighting the kuthuvilakku and delivered the felicitation address. The welcome address was given by Dr.K.Selvi, Dean Academics, Paavai Engineering College. The Chairman, delivered the inaugural address, He insisted that this FRP is a healthy exercise for the faculty members to enrich, develop, and update their professional skills in teaching and learning process. He further highlighted the skills, such as Patience and Creativity, Identify students learning capacity, Enthusiasm and Confidence, Dedication, Adapt new Technology, Colloboration, Evaluation of Performance and Feedback. He explained about moulding the teacher to give their best to the students. One who becomes an expert in teaching field should utilize the opportunity to improve their skills to benefit the students.

Smt.Mangai Natarajan, Correspondent, Paavai Institutions, felicitated the gathering. She explained that the purpose of teaching is to have clarity in thoughts, words and expressions. She also highlighted the role of a teacher. She said that the presenters should have the thirst to learn and update their knowledge and skill from the seniors and experts on the panel. She expressed that FRP is a concept practiced in Paavai She insisted that marks are not the central core of education. She concluded that the teacher should know their subjects and students. Dr.K.K.Ramasamy, Director Administration, Paavai Institutions, addressed the gathering. He pointed out that FRP is to improve their knowledge and skills. He said that FRP is being conducted since the inception of the college. He stressed on the objectives, importance and ideology of Faculty Revalidation Programme.

Next, Prof.A.S.Kandasamy, retired Chief Engineer, TNEB and Prof.Emeritus stated that the knowledge of the fundamentals of all subjects is very important for every teacher to teach clearly and confidently. He highlighted that mere memorizing the subjects and reproducing in exam may get a degree, but it would not provide employability So, it is very important for every teacher to understand the subject and teach effectively to make students employable. He stressed that FRP is to improve your teaching skills and the faculty members need to update their knowledge in technology. All the principals of Paavai Institutions graced the occasion. The faculty members of Paavai Institutions presented their topics and the expert members of Faculty Revalidation Programme gave their observations, corrections and suggestions to improve their domain knowledge and pedagogical skills. Totally, 130 faculty members of Paavai Institutions presented their topics and got benefitted.



Faculty Journal Publications and Patents

Name of the Faculty	Journal Name / Book Name	Title of the Patent/ Article / Book	Reference No.
Dr.R.Arravind ASP- Aero -PEC	Patent	Method for Converting a Three Dimensional Lidar Dataset to a Projection Shape and a Multi-Channel Two-Dimensional Image for Performing Segmentation	202241075293A
Dr.M.Sudha Prof-ECE-PEC	ECEIJETMS Issue : 6, Volume no: 6	Non Hydraulic Solar Panel Slang	ISSN : 2581-4621
Dr.M.Sudha Prof-ECE-PEC	Intelligent Automation & Soft Computing	Adaptive Route Sink Relocation Using Cluster Head ChainCycling Model in WSN	Volume 36 Number 2, 2023
Dr.M.Sudha Prof-ECE-PEC	Journal of Environmental Prediction and Ecology 23, Number 8	Wireless Sensor Network Based Linear Sensor Network for Prediction of Land Conditions and Providing Irrigation for Crops Cultivations	ISSN : 3527-3536
Dr.P.Muthusamy Prof-Cybersecurity-PEC	Patent	System and Methods for Controlling Virtual Mouse Using Hand Gesture Using AI	202341001643 A
Mr.G.Nandhakumar AP-ECE -PEC	IJETMS	Smart Preventive Insole for Diabetes	ID: ISSN 2581-4621
Mr.K.Venkatachalam AP-ECE -PEC	International Conference- Proceedings	Artificial Intelligent and Block Chain ICAIBC-2023	ICAIBC-57
Mr.S.Satheeshkumar AP-ECE -PEC	International Conference- Proceedings	Instructive Wall Painting BOT	ISBN-13 979-8372932128
Dr.S.Loganayaki AP-ECE -PEC	International Conference- Proceedings	Automatic Detection of Blood Cancer from Bone Marrow using Convolutional Neural Network	ISBN-13 979-8372932128

Name of the Faculty	Journal Name / Book Name	Title of the Patent/ Article / Book	Reference No.
Dr.B.Venkatesan ASP-IT -PEC Dr.P.Thiyagarajan ASP-IT -PEC Mrs.M.Pushpalatha AP-IT -PEC Mr.S.Rajesh AP-IT -PEC Mrs.M.Babylatha AP-IT -PEC Mrs.M.Saranya AP-IT -PEC Mrs.P.Anitha AP-IT -PEC Mrs.B.Deepa AP-IT -PEC Mrs.S.Subashini AP-IT -PEC	Patent	Design Systems of Women Security Footwear	202341002660 A
Dr.D.Boopathi ASP-EEE-PEC Dr.K.Jagatheesan ASP-EEE-PEC	Technologies, MDPI Publications	Load Frequency Control Assessment of a PSO-PID Controller for a Standalone Multi-Source Power System	Volume 11, Issue 22
Dr.K.Jagatheesan ASP-EEE-PEC Dr.D.Boopathi ASP-EEE-PEC R.Satheeshkumar ASP-EEE-PEC	Journal of Pharmaceutical Negative Results	Stability Control Analysis of Standalone Nuclear Power System with PID controller	Volume 14, Issue 02, 2023
Dr.C.Arulkumar ASP-EEE-PEC Dr.S.Thirunavukkarasu AP-EEE-PEC V.Kumarakrishnan ASP-EEE-PEC S.Suganya AP-EEE-PEC	Mathematical Statistician and Engineering Applications	Grid-Connected Dual PV Management and Reliability Improvement based on Back Propagation Neural Network (BPNN-PSO)	Vol.72, Issue 01,2023
Dr.D.Banumathy Prof-CSE-PEC P.Renukadevi ASP-CSE-PEC M.Sivaganesh ASP-CSE-PEC M.Buvaneswari AP-CSE-PEC V.Mahes Kumar AP-CSE-PEC	Patent	Design system of Duplicate Signature verification with Dynamic Database of reference Signature using Machine Learning	202341002293 A

Student Journal Publications and Patents

Name of the Student	Journal Name / Book Name	Title of the Patent/ Article / Book	Reference No.
Mr.U.Saravana Kumar III Cybersecurity Mr.M.Shajan III Cybersecurity Mr.J.Jeyasenaadhi III Cybersecurity Mr.S.Gopikrishnan III Cybersecurity Mr.N.Paramananthan III Cybersecurity	Patent	System and Methods for Controlling Virtual Mouse Using Hand Gesture Using AI	202341001643 A
B.B.Sathya, IV IT A.Mohammed Riyaz, IV IT G.Prakash, IV IT	Patent	Design Systems of Women Security Footwear	20234100266

Name of the Student	Journal Name / Book Name	Title of the Patent/ Article / Book	Reference No.
S.Sri ranjani, II CSE M.P.Venkat Vijay, II CSE V.Sowmiya, II CSE E.Tamizhan	International Journal of Research in Academic World	Machine Learning Algorithm for Predicting And Classification of Lung Cancer	E-ISSN:2583-1615

Student's Achievements and Awards

Name of the Students	Name of the Programme	Venue and Date	Name of the Event	Position/Place
R. Aruljothi, IV ECE	Sports	Jawaharlal Nehru Technological University, Hyderabad 02.01.23	All India University Kho-Kho (Men) Championship	Selected
Gokila. S, II ECE Kaviya. K, II ECE	Sports	University College of Engineering, BIT Campus, Anna University, Trichy 07.01.23	Interzone Kho Kho Match	Winner
T.Dhivakaran, IV ECE F.Faiyaz Basha, IV ECE S.Jagadhishwaran, IV ECE	Internship	Bengaluru 22.01.23 - 22.05.23	DRDO	Selected
M. Ajaykumar, IV ECE	Short Time Course 14.01.2023	Duke University Durham, North Carolina	Java Programming: Solving Problems with Software	Completed
A. Adhisha, IV ECE	Best Physique Under 75 kg	Anna University PEC, Namakkal 29.01.23	Best Physique Under 75kg	Silver Medal
M.Aazik Rasul III CIVIL P.N.Thenswetha III CIVIL P.Ranjith III CIVIL D.Dharun III CIVIL V.Dharani III CIVIL T.Raja III CIVIL B.Arul Kumar, IV CIVIL M.Mukilarasu, IV CIVIL S.Veereswaran, IV CIVIL S.Surendhar, IV CIVIL	Build Expo (2022-2023)	Rathnavel Jayakumar Thirumana Mandapam, Narasothipatti, Salem (30.12.22 to 02.01.23)	'Emerging Engineers' -Project Contest	Appreciation Award

How to Read Scientific Papers?

Reading a scientific paper is a completely different process from normal reading of articles. It may require a reading in different order (going backwards and forwards) for good understanding. Effective reading includes taking notes, reading multiple times (First pass: Quick scan, Second pass: With greater care, & Third pass: Full understanding of the paper), and referring other papers for details. Reading a single paper may take a very long time at first, but with experience it would become easier and faster.

SKIM

- ✓ First get the 'big picture' by reading the title, keywords and abstract carefully; this will tell you the major findings and why they matter. Quickly scan the article without taking notes; focus on headings and subheadings.
- ✓ Note the publishing date; for many areas, current research is more relevant.
- ✓ Note any terms and parts you don't understand for further reading.

RE-READ

Read the article again, asking yourself questions such as:

- ✓ What problem is the study trying to solve?
- ✓ Are the findings well supported by evidence?
- ✓ Are the findings unique and supported by other work in the field?
- ✓ What was the sample size? Is it representative of the larger population?
- ✓ Is the study repeatable?
- ✓ What factors might affect the results?

If you are unfamiliar with key concepts, look for them in the literature.

INTERPRET

- ✓ Examine graphs and tables carefully.
- ✓ Try to interpret data first before looking at captions.
- ✓ When reading the discussion and results, look for key issues and new findings.
- ✓ Make sure you have distinguished the main points. If not, go over the text again.

SUMMARIZE

Take notes; it improves reading comprehension and helps you remember key points.

Steps in Reading a Scientific Paper

Step 1: Read the Title and Abstract

The title and abstract will give you an overview of the paper's key points and indicate whether to read the rest of the paper or not.

Step 2: Skip the Introduction

The introduction is mostly background, and if you are already familiar with the literature, you can scan through or skip this. You can return to introduction if you have time after reading the significant parts of the paper.

Step 3: Scan the methods

Unless the paper details a particularly novel method, just scan through. Don't completely ignore it, as the methods used may help you determine the validity of the results. Reviewing the figures rather than reading the methods section in isolation would help for better understanding.

Step 4: Focus on the figures

The results section is the most important section of a paper and provides research findings. One should spend more time on it. Sometimes supplementary figures and tables may also provide important results and they should not be ignored.

Step 5: Tackle the discussion

The discussion provides scientific reasons to justify the results. One can judge the assertions of the author to see whether it agrees with similar works.

Source

<https://www.elsevier.com/connect/infographic-how-to-read-a-scientific-paper>

Dr. V. Subburam,
Professor, Mech, PEC

Alumni Testimonials

PAAVAI COLLEGE OF NURSING AND RESEARCH



J. NIRMAL INFANT RAAJ

B.E - Agri, 2016-2020

CEO - Passion Farming,
Trichy

My education from Pavai College of Nursing and Research batch 2017-2021 has allowed me to fulfil my career in an exceptional way. my college taught me fundamental skills and clinical approach classes like medical surgical nursing helped me to develop my ability to handle nursing care in a professional way. My college has good Infra structure to train myself a better nurse in this competitive world overall my college is the best to explore my knowledge and upgrade my skills .I thank God for giving me the opportunity to study in this wonderful college..last but not least I like to thank my principal, co ordinator, staff, etc... for helping me to shine like a sun in this bright world

PAVAI ARTS AND SCIENCE COLLEGE FOR WOMEN



G. SWATHY

DCSE, 2018-2021

OLA Electric Private Ltd., Hosur

I am proud to say that I am an alumna of this College. I learned a lot during my college days which helped me to get placed in a company. I had many opportunities to know about my strength and weakness in our college. The life lessons which I learnt helped me to lead my life in a successful way.

PAAVAI ENGINEERING COLLEGE



Mr. SHAHASAD
B.E, EEE, 2007-2011
Project Engineer
CEG International, Qatar

Throughout my four years of Engineering at 'Paavai Engineering College' countless opportunities were given to develop analytical skills, leadership and proactive thinking through various programs and events. These attributes were the key reasons because of which I joined at 'CEG international Qatar', and now I am the Project Engineer of 'CEG international in Electrical Testing. Big thanks to all my faculty members and friends for this amazing journey. My sincere gratitude to the PEC Faculty members for their support and encouragement, this would not be possible without them.

PAAVAI COLLEGE OF ENGINEERING



PUGALENDHI. M
B.E, EEE, 2017-2021
Software Engineer
Expleo Solution Limited, Bangalore

It brings me great pleasure to say that I graduated with honors from Paavai College of Engineering. I had the chance to thrive in my studies because of the friendly interaction between the professors and the students. The four years I had spent here were wonderful and have developed my career and personal life.

PAVAI ARTS AND SCIENCE COLLEGE FOR WOMEN



C. NADHINI
B.Sc, Nutrition and Dietetics, 2007-2011
Assistant Dietitian
KMCH, Coimbatore

I am an alumna of Pavai Arts and Science College for Women, in Department of Nutrition and Dietetics. Currently, I am working as a Assistant Dietitian in Kovai Medical centre and Hospital (KMCH), Coimbatore. It has really been a great experience as a Paavaian. I had learnt a lot both in academics and career development. Pavai has guided me in all walks of my life. I would like to thank my faculty members who helped me.

English Corner

SIMILES

A Simile is an expression which describes a person or thing as being similar to someone or something else. It is used in a sentence to make comparisons between two or more nouns with words such as 'like' or 'as'.

1. As stiff as a board - firm

We are sure that he is very nervous, he is standing as stiff as a board on the stage.

2. As old as the hills - very old

Auctioneering is an old trade, a trade as old as the hills.

3. As straight as an arrow – a person who is very honest

His story sounds ridiculous, but I believe him because he's as straight as an arrow.

4. As hot as hell – extremely hot

How can you bear to go out in this weather? It is as hot as hell.

5. As proud as peacock – extremely proud

The actress is as proud as peacock after getting selected for the lead role in the cinema.

6. He is as black as coal - completely black

My hands were black as coal after working on that filthy engine all day.

7. As blind as a bat - unable to see well

My uncle is as blind as a bat without his spectacles.

8. As easy as pie - very easy

Using mobile is as easy as pie for some guys.

9. As cool as a cucumber - calm and relaxed

While all the students were in panic before the declaration of the results, Mahesh was as cool as a cucumber.

10. As clean as a whistle - extremely clean / clear

The maid has done a good job and the hall is as clean as a whistle.

11. As bright as a button - intelligently alert

They seem to be as bright as button.

12. As sly as fox - cunning

He was as sly as a fox.

13. As sick as a dog - extremely ill

He became as sick as a dog when he ate shrimps.

14. As good as gold - very well behaved

The students were as good as gold during the function.

15. Tough as an old boot - very strong

He might be in his seventies but he is as tough as an old boot.

Paavai in Press



With best compliments from :

Paavai Engineering College (Autonomous)
 Paavai College of Engineering
 Paavai College of Technology
 Paavai Polytechnic College
 Paavai 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)