



PAAVAI

EDUCATIONAL INSTITUTIONS

Think Education... Think Paavai.

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

PAAVAI VOICE

DECEMBER - 2023

A MONTHLY BULLETIN

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Chairman's message

Dear parents and students!
Greetings from your Chairman

As we bid farewell to the year with a sense of accomplishment and pride, I am thrilled to share the heart-warming achievements and enriching experiences that have graced our institution during the month of December.

First and foremost, I am delighted to extend my heartfelt congratulations to the gold medal winner in boxing from our institution. Their dedication, perseverance, and exemplary performance serve as an inspiration to us all. Their achievement not only brings honor to our institution but also highlights the importance of discipline, determination, and hard work in pursuing excellence. Let us celebrate their success and continue to support them in their future endeavours.

Furthermore, the triumph of our Judo Champions who emerged victorious in a competition. Their skill, agility, and sportsmanship exemplify the spirit of resilience and camaraderie that defines our institution. I commend the winners for their outstanding performance and commend all participants for their dedication and commitment to the sport. Let us continue to nurture a culture of sportsmanship, teamwork, and fair play within our community.

I prioritize the advancement of research and innovation as foundational pillars of our academic pursuit. Research fuels progress, driving us towards new discoveries and breakthroughs that enrich our understanding of the world and enhance our ability to address pressing challenges. Therefore, I encourage our faculty and students to engage in cutting-edge research across diverse disciplines, fostering an environment that nurtures curiosity and creativity. Through strategic investments in research infrastructure, collaborative partnerships with industry leaders, and support for interdisciplinary endeavors, we aim to push the boundaries of knowledge and contribute meaningfully to the global scientific community.

I also emphasize the importance of academic excellence as a cornerstone of our institute's mission. Academic excellence encompasses not only high academic standards but also a commitment to fostering intellectual curiosity, critical thinking, and a passion for lifelong learning among our students. As such, it is imperative that we provide robust support systems for our students, including mentorship programs, access to state-of-the-art facilities, and opportunities for experiential learning. Furthermore, we must recognize and celebrate the achievements of both students and faculty who demonstrate exceptional academic prowess and scholarly contributions. By upholding rigorous academic standards and cultivating a culture of excellence, we ensure that our institute remains a beacon of learning and innovation, producing graduates who are well-equipped to tackle the challenges of tomorrow and make meaningful contributions to society.

As we reflect on the achievements and experiences of the past year, let us carry forward the spirit of excellence, collaboration, and innovation into the new year. Together, let us continue to strive for greatness and create a brighter future for our institution and our community.
Warm regards,

Faculty Revalidation Programme 2023 -24

The inauguration of Faculty Revalidation Programme (FRP) for the academic year 2023-24 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 Physiotherapy Science College and Paavai Institute of Allied Health Sciences were held in Smart Hall at 02.00 p.m. on 04.12.23.

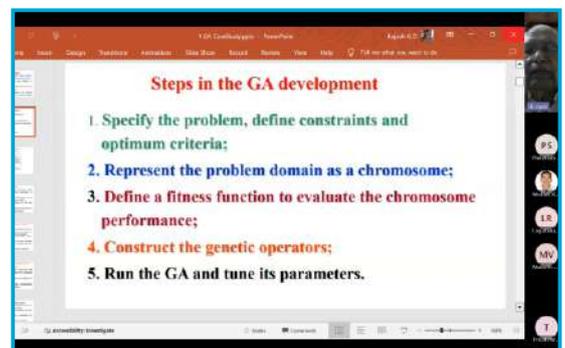
Smt.Mangai Natarajan, Correspondent, Paavai Institutions, inaugurated the event by lighting the kuthuvilakku and delivered the felicitation address. The welcome address was given by Dr.J.Murshitha Banu Head, FDD, PEC. The Chairman Shri.CA.N.V.Natarajan, delivered the inaugural address. He insisted that this FRP is a chiseling process and healthy exercise for the faculty members to enrich, develop, and update their professional skills in teaching and learning process. Smt.Mangai Natarajan, Correspondent, Paavai Educational Institutions, 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. 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 132 faculty members of Paavai Educational Institutions presented their topics.



Lecture Series on Optimisation Techniques

The Centre for Research & Innovation and IQAC, PEC organized an online Lecture Series on Optimisation Techniques. In this series, on 13.12.23, a topic on Applications of GA and ANN was delivered by Dr.V.Ganapathy, Eminent Professor. The welcome address was given by Dr.I.Rajendran, Dean - Research & Innovation of Paavai Engineering College. The resource person, in his special lecture explained how complex and difficult problems can be solved using combination of search techniques and heuristics. To illustrate this he took an example of a real-world application where Artificial Neural Network (ANN) and Genetic Algorithm (GA) are effectively employed in power system preventive maintenance scheduling using MATLAB. The heads of various departments, faculty members and students participated in the session and benefitted. The vote of thanks was delivered by Dr.I.Rajendran, Dean - Research & Innovation in the end.



Awareness Session on Intellectual Property Rights - CII

On 22.12.23, IP AWAKE – IPR Capacity Building and empowering Innovations, an awareness session on Intellectual Property Rights was organized by Confederation Indian Industry (CII) hosted by Paavai Engineering College, The Intellectual Property Rights Awareness workshop started with the Inaugural session. Dr. Ramesh Kumar D, Past Chairman, CII Salem Zonal Council welcomed the gathering with opening remarks. Dr. M. Premkumar, Principal, Paavai Engineering College, delivered the special address, in which he shared his experiences about the initiatives offered by government. Mr. R. Ruban Ebenezer, Head, CII Salem Zonal Office gave an introduction to the workshop.

Dr. Harish Chandran Avaronnan, Head of Intellectual Property, India, Novozymes South Asia Pvt gave his special address of IPR. In his presentation, he insisted that ideas leads to Patents and that is IPR. Mr. R. Lakshminarayanan, Director & Head Intellectual Property & Innovation Management, Samsung R & D, India explained about the functional and physical Inter-dependencies of process in Software is patentable. Inventions, trends and patenting comes from ideas as solution which arrives whenever a problem occurs. Ideas can be of anything like products, process of making a product, specific services, business models, etc., Dr. Ramesh Kumar D, Past Chairman, CII Salem Zonal Council thanked the gathering, with a closing remarks.



Orientation Programme for the recently recruited faculty members

The Faculty Development Department organized a four-day Orientation 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 Orientation Programme was held from 29.11.23 to 02.12.23 at Smart Hall. 31 faculty members from Paavai Educational Institutions attended the Orientation Programme.

The inaugural ceremony was held at Smart hall on 29.11.23, Shri. CA. N. V. Natarajan Chairman, Paavai Educational Institutions delivered the Presidential Address. Sir highlighted that teachers should be exemplary role models who should create an active learning environment in the classrooms. He also stressed on the cardinal role of the faculty members to equip their students with the required skill sets, which will enable students to thrive in the real world. Smt. Mangai Natarajan, Correspondent Madam felicitated the gathering. Dr. K. Selvi Dean Academics, PEC welcomed the gathering.

The objectives and methodology of the orientation programme were read out by Dr. J. Murshitha Banu Head, FDD. After the inauguration, the technical sessions commenced. Shri. CA. N. V. Natarajan Chairman, Paavai Educational Institutions, Dr. K. K. Ramasamy, Director Administration, Paavai Educational Institutions, Mrs. C. Jayalakshmi, Dean Counseling, Dr. M. Premkumar, Principal, PEC, Dr. B. Murali Babu, CoE, Dr. K. Selvi, Dean Academics, PEC.

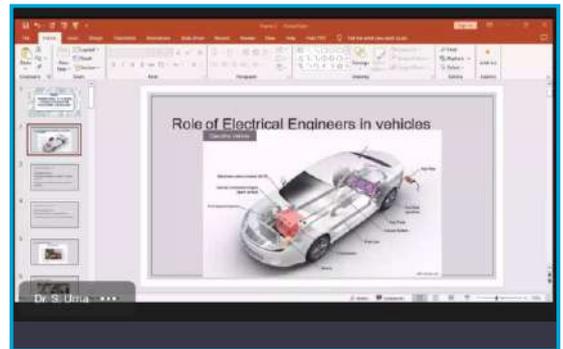
Dr. I. Rajendran, Dean Research and Innovation, PEC, Dr. J. Murshitha Banu Professor and Head, FDD, Mrs. M. Malathy, AP/FDD, Dr. D. Bhanumanthy, HoD/CSE, Dr. Mohanapriya, ASP/ECE were the resource persons for the programme who shed light on pertinent topics such as, 'Paavai on the Path of Progress', 'Be Ethical', 'Teachers are the Real Parents', 'Attitude, Skill and Knowledge', 'Paavai Culture', 'Inclination towards Research', 'Triple S relationship', 'Pedagogy of Teaching and Learning', 'Be Fluent', 'Be Liberated, Be Happy' and 'Smart Teaching'.

CA.N.V.Natarajan, Chairman of Paavai Educational Institutions conducted the session on the topic entitled 'Paavai on the Path of Progress'. Sir started with the history of Paavai Educational Institutions and showed the upward trajectory of Paavai. The Valedictory function was held on 02.12.23 at Smart Hall at 02.00 pm. All the faculty members recorded their feedback. Shri.CA.N.V.Natarajan, Chairman highlighted the roles and responsibilities of the teachers. Sir instilled indelible noble values in the minds of teachers and stressed on the importance of incorporating effective and innovative teaching strategies to bring about a phenomenal change in classrooms. Ms.IIakya, AP, Pharmaceutical department proposed the vote of thanks.

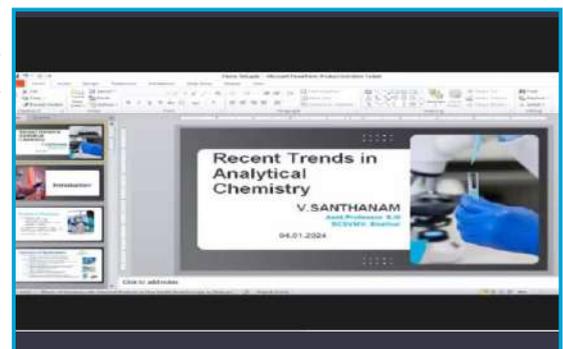


ACADEMIC EVENTS

The Department of EEE, PEC organized an guest lecture Embedded Systems Application for Electric Vehicles on 02.12.23 at online mode. Dr. S.Uma, AP, Department of EEE, PCE. Guindy, Anna University were the resource persons. The resource persons explained about the significance of Introduction to Electric Vehicles (EVs), Role of Embedded Systems in EVs, Battery Management System (BMS), Powertrain Control and Motor Control, Connectivity and Telematics, etc.,



Department of Chemistry, PEC organized a guest lecture on 'Recent Trends In Analytical Chemistry' on 04.12.23. The Resource person was Prof.V.Santhanam Associate Professor, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya (Deemed University) Kanchipuram. The guest lecture was to provide to develop an understanding of the broad role and handling ways of analytical instruments. The outcome of the webinar is that the students gained knowledge on various application of analytical and characterization techniques in chemistry



The Department of EEE, PEC organized an guest lecture on Internet of Things and its Application on Thinks and its Application on 08.12.23 .Dr.R.S.Rajesh, Professor, Department of CSE, Manonmaniam Sundaranar University were the resource person. The resource persons explained about the Internet of Things (IoT), its evolution, significance, and real-world applications across diverse industries. This guest lecture commenced with a comprehensive introduction to IoT, defining it as a network of interconnected devices.



Department of EEE, PEC organized an guest lecture on 'Internet of Things and its Applications' on 08.12.23. Dr. R.S.Rajesh, Professor, CSE, Manonmaniam Sundaranar University were the resource person explained about the Internet of Things (IoT), its evolution, significance, and real-world applications across diverse industries. Highlighting IoT's role in remote patient monitoring, wearable health tech, hospital management systems & Industrial IoT.



The department of MCA had organized a one day Alumni guest Lecture Series on Crafting Your Roadmap from Campus to Corporate World on 09.12.23. Mr. A. Praveenkumar, Technical Project Manager, Tata Consultancy Services, Bengauru, was the Alumni Speaker at the function. The function was presided over by Dr. M. Premkumar, Principal, PEC and the alumni speaker was introduced by Ms. R. SevaVarshini, I-Year MCA. Dr. M. Premkumar, in his presidential address, insisted the importance of Seminars and Workshops.



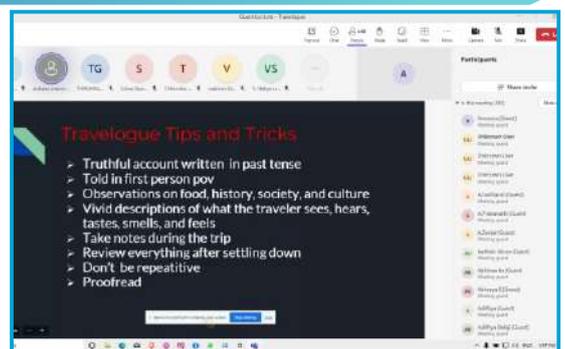
The Electronics club of the Department of ECE in association with The Institutions of Engineers (India)(IEI) has organized a Project Expo –TECHNOVA 24 on 09.12.23. Dr.C.Nirmala, Prof & Head of the Department/Biotechnology, PCT was the Judge. The students exhibited projects covering different areas of electronics. Around 26 batches of students from second year ECE (A, B, C) participated in the Project Expo event.



The department of Management studies, PEC conducted one day workshop on Hands on training in stock Market on 09.12.23. Dr. M.Premkumar, Principal, PEC delivered the Presidential address. Mrs.V. Chitradevi, started the session by sharing her experience about how she started her business, Introduction about Financial Market, Benefits of Share Holder, Guidelines of SEBI, Types of Market, Future and Option Market Strategies, List of commodities, etc.



Department of English of PEC conducted a webinar in titled 'Travelogue' on 11.12.23. The chief guest Ms.Archana aimed to showcase the power of storytelling in travel, provided insights into crafting compelling narratives and encouraged attendees to embark on their own writing styles. This webinar helped the students to learn more about the Travelogue and how to write a art of travel through engaging Travelogue and what are points to be included while writing it.



The Centre for Research & Innovation and IQAC, PEC organized a webinar on 'Applications of GA and ANN'. The welcome address was given by Dr.I.Rajendran, Dean – Research & Innovation of PEC. Dr.V.Ganapathy the resource person, explained how complex and difficult problems can be solved using combination of search techniques and heuristics. Vote of thanks was proposed by Dr.I.Rajendran, Dean - Research & Innovation in the end.

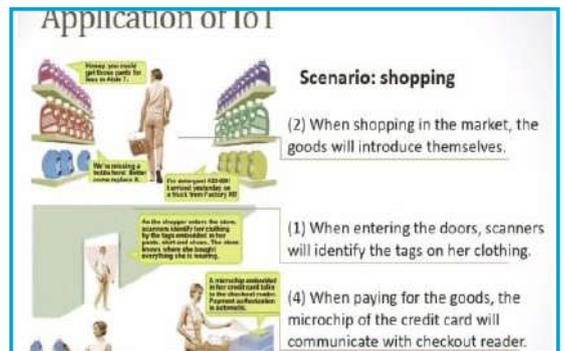
Case study
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Unit 3:	1 0 0 0	0 1 0 0	0 0 1 0	0 0 0 1
Unit 4:	1 0 0 0	0 1 0 0	0 0 1 0	0 0 0 1
Unit 5:	1 0 0 0	0 1 0 0	0 0 1 0	0 0 0 1
Unit 6:	1 0 0 0	0 1 0 0	0 0 1 0	0 0 0 1
Unit 7:	1 0 0 0	0 1 0 0	0 0 1 0	0 0 0 1

The Department of Cyber Security and CSE-(Internet of Things) in association with IIC - PEC and EDC & the Institution of Engineers (India) organized a guest lecture on Deployment of Cyber Security in IOT Applications on 14.12.23. Dr. P. Karuppsamy Professor, Department of ECE, Adhiyamaan College of Engineering and Technology, Hosur was the resource person. M.Premkumar, Principal, gave the presidential address and emphasized that the outcome of learning process must be positive to enhance the skills.



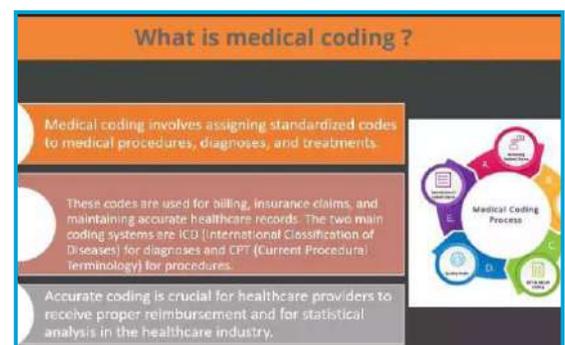
Department of Physics, PEC organized a one day Student webinar on 'Role Of Nanotechnology In Iont Applications on 14.12.23. Dr. M. Premkumar, Principal delivered his presidential address. The chief guest Dr. A. Karthigeyan, Professor & Head, Physics and Nanotechnology, SRM Institute of Science and Technology shared his knowledge of nanotechnology in the internet of things and explained briefly about different applications of nanotechnology in daily life and then how it is going to be use future.



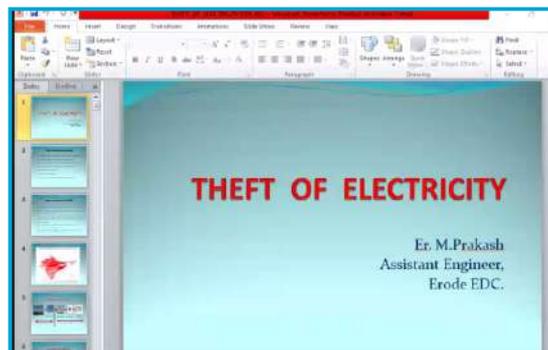
Department of EEE and Energy Club in association with IIC, PEC organized a webinar on 'Theft of Electricity' on 14.12.23. Dr.M.Premkumar, Principal, presided over the function and insisted the importance of conservation of power to the students. Mr. M. Prakash, Assistant Engineer, Electricity Distribution Circle, Erode, was the guest speaker. He began his remarks by saying that illegal electricity usage costs the government a lot of money and hikes the average person's per-unit energy bill.



The Department of Biotechnology, PEC has conducted an online guest lecture on the topic 'Medical Coding -Critical Role in Future Health Care Industries' on 14.12.23. The resource person was Mr.Manoj Pidugu, Team Leader, VEE Technologies, Salem. The speaker explained about various concepts of Medical Coding and Its role in future health care industries and Revenue Cycle Management (RCM). He illustrated how RCM plays a vital role in encompassing the process of managing financial transactions related to patient health care.



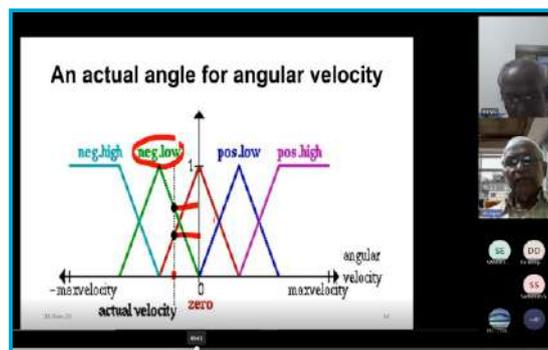
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Department of Food Technology organised an alumni guest lecture titled 'Transition from College life to Work culture' on 20.12.23. Ms. A. Abipriya, Production Planner, Hindustan Foods limited, Coimbatore was the resource speaker. She started the session with a good interaction with the students and shared her life in college. She emphasized on the skills a food technologist must acquire in order to shine in the working environment.



The Centre for Research & Innovation and IQAC, PEC organized a lecture series on Optimisation Techniques on 21.12.23. The topic was 'Fuzzy Logic (FL) and Applications'. The welcome address was given by Dr.I.Rajendran, Dean - R&I. Dr.V.Ganapathy, Eminent Professor elucidated on various components of the fuzzy logic system including fuzzy rules. Also explained the types of Fuzzy Logic like Type-1 Fuzzy Logic, Type-2 Fuzzy Logic, and Interval Type-2 Fuzzy Logic.



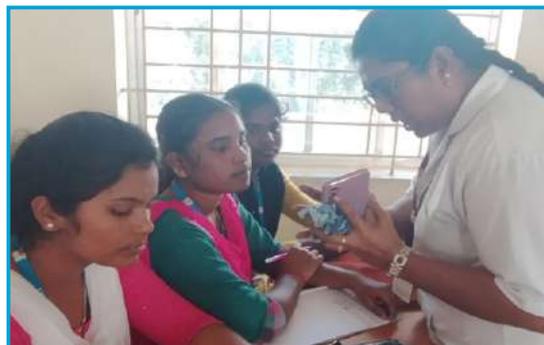
In PASCW, National Mathematics Day was celebrated on 22.12.23 . Number System competition related to Mathematics was conducted to celebrate the day. Activity was held on the topics 'Purpose of celebrating National Mathematics Day'. A power point presentation was presented by B.Asma Taj of III B.Sc Mathematics on the topic of 'Ramanujan Life History and Innovations'. The students were keen and active in participating in National Mathematics Day competitions.



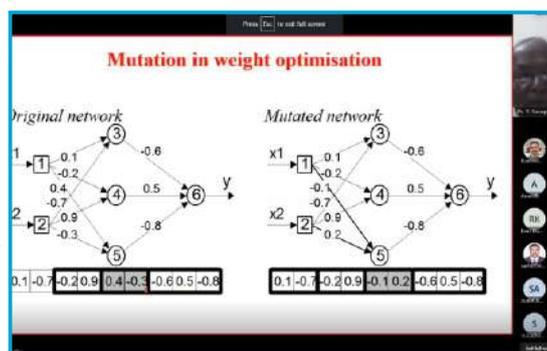
Department of English, PEC conducted a workshop in titled 'Awareness on Aptis' on 27.12.23. The chief guest Mr.John Vincent.E aimed to showcase the power of English Language and uses of clearing the Aptis. This seminar helped the students to learn more about the Aptis and how to clear the exam and explained about the difference between Aptis General and Aptis Advanced.



The Constructors Club, Department of Civil Engineering, PEC organized Technical event, 'Promo Presentation' on 27.12.23. In Promo Presentation event, student teams of II year Civil Engineering participated. It is a visual and verbal demonstration event. A set of 10 to 15 images were given to each team to make videos within the time limit of 45 minutes. Top 2 teams were awarded with certificates.



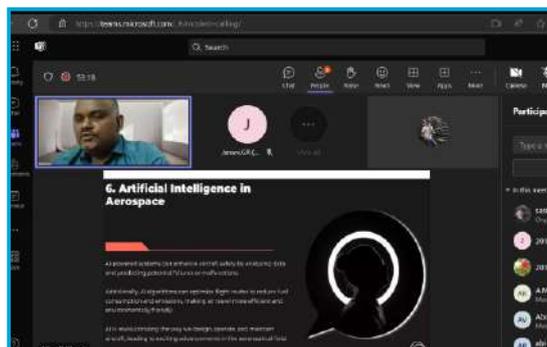
Centre for Research & Innovation and IQAC of PEC organized an online lecture series on 'Optimisation Techniques'. In this series, on 28.12.23, a topic "Hybrid AI Algorithms: NeuroFuzzy, ANFIS and Evolutionary Neural Nets." was delivered by Dr.V.Ganapathy, Eminent Professor. He explained Evolutionary Neural Networks, encompassing topics such as encoding a set of weights in a chromosome, crossover and mutation in weight optimization, encoding network architecture and topology, the cycle of evolving a neural network topology.



The Department of Chemical Engineering, PEC in association with the Alumni Association cell organised an Alumni guest lecture titled 'Opportunities for Chemical Engineers' on 29.12.23. Dr.M.Premkumar, Principal gave the presidential address. Ms.M.P.Harinisri, Senior Analyst, from R1RCM Private limited Chennai was the alumni speaker. She briefly explained opportunities for chemical engineers in various sectors and industry.



On behalf of Aeronautical Engineering, PEC in association with Aeromodelling Club organized an online guest lecture on the topic 'Trends in Aeronautical field and Aviation Data Analytics Techniques' on 30.12.23. The guest Vijayaragunatha boopathy Natarajan, Associate Manager – Engineering Collins Aerospace elaborated on the recent requirement from the Aeronautical industry and the importance of subjects like EG, AI, Python, Aircraft Propulsion, EM, Strength of materials & Fluid dynamics.



Department of Biomedical Engineering, PEC organized a alumni guest lecture on 30.12.23. The role of a service Engineer Invitro Diagnostic involves ensuring the proper functioning of diagnostic equipment's and providing technical support the outcome achieved through an event in this context could include successful maintenance



SOCIAL SENSITIVITY

On 01.12.23 World AIDS Day was celebrated at Government Medical College Hospital , Namakkal. The III B.Sc Nursing students (40) from PCNR actively participated the Rally which was flagged by the District Collector Dr. Uma and Dr. Mathivanan, Forest Minister. During Rally the students carried placard and given awareness to the public regarding the prevention of AIDS.



Indian Association for the Blind, Madurai is celebrating the International White Cane Day for the Blind. In this connection all students and staff members contributed the amount for the visually challenged children on 11.12.23 and the total amount was Rs.19,288/- The donated amount was sent to Indian Association for the Blind, Madurai. All the Children Orphanage, Chennai and Annai Teresa Old Age Home, Chennai were benifited.



Paavai Engineering College, National Service Scheme, 23 volunteers provided volunteership on 29.12.23 for Hundial amount counting at Atthanoor Amman Kovil, Salem along with the Officers from Department of Hindu Charities, Namakkal and Kovil Members.



Department of Physical Education Sports Events 2023-2024

Name of the Student	Name of the Student	Position / Place
Anna University Zonal Kho-Kho Men Tournament	03.12.23	Men - 105
Anna University Inter-zone Boxing Men & Women Tournament	09.12.23 & 10.12.23	Men - 184 Women - 72
Anna University Interzone Fencing Men & Women Tournament	12.12.23	Men - 95 Women - 63
Anna University Interzone Judo Men & Women Tournament	16.12.23 & 17.12.23	Men - 112 Women - 52
Anna University Interzone Kho-Kho Women Tournament	16.12.23 & 17.12.23	Women - 340

Name of the Student	Venue and Date	Name of the Event	Position / Place
A.Shalini III IT - PEC	SIH – 2023 (Grand Finale)	PEC	Gold Medal
S.Subash III ECE - PCT	SIH – 2023 (Grand Finale)	Paavai Engineering College 3.12.2023	Winner
S.Subash III ECE - PCT	SIH – 2023 (Grand Finale)	Kongunadu College of Engineering and Technology 9.12.2023 to 10.12.23	Runner

Book Publications

Name of the Faculty with Designation	Title of the book	Name of publications	Reference No.
V. ThabithaZelin Rachel AP - FT, PEC	Research Trends in Aquaculture and Fisheries	Bhumi Publications	978-93-95847-52-0
V. ThabithaZelin Rachel AP - FT, PEC	Research trends in Science & Technology	Bhumi Publications	978-93-95847-03-2
M.D.S.Rajaruban AP - FT, PEC	Research and Reviews in Agriculture Science and Volume IV	Bhumi Publications	978-93-95847-30-8
S. Gowtham Kumar AP - FT, PEC	Recent Trends in Life Science Volume III	Bhumi Publications	978-93-95847-42-1

Faculty Journal Publications and Patents

Name of the Faculty with designation	Journal Name / Patent	Title of the Journal / Patent/ Article	Reference No.
Dr.R.Arravind Prof- Aero, PEC	International	Analysis of Metal Removal Rate on Nitinol alloy using Electrochemical Honing Process	Accepted
Ms. G. Swathi, AP -Chemical, PEC Dr. P.Balaganesh ASP- Chemical, PEC	International Research Journal of Science Engineering and Technology	A New Era of IoT Garbage Monitoring Technology and Alert System	ISSN 2454-3195 Volume 13
K.Sharmiladevi Prof. -Civil, PEC	Advances in material science Engineering	Study on performance of Infilled wall in an RC-Framed structure using Reinforcing band	ISSN No: 1687-8442
M.Sathyasundaram AP - CSE, PEC	Regional Language Translator and Event Detection using Natural Language Processing	Book Chapter – Studies in Computational Intelligence	2023,1105, pp. 229-242
M.Sathyasundaram AP - CSE, PEC Dr.P.Thiyagarajan ASP - CSE, PEC	Hybrid Approaches for Intracerebral Hemorrhage Stroke Classification Using Deep Learning Techniques	Book Chapter – Studies in Computational Intelligence	2023,1105, pp. 229-242
Mrs.J.Velumani ASP - CYS, PEC	Scopus	Skin Cancer Classification using Deep Learning	Applied
S. Anita AP - FT, PEC	International Conference	Physico chemical properties of dairy free milk - A Review	978-93-5981-894-8
Dr.J.Senthil ASP - FT, PEC	International Conference	A review on dairy free milk with its nutritional properties	978-93-5981-894-8
Dr.G.Balaji Prof. - EEE, PEC Johnnie Hepziba R AP - EEE, PEC	Journal of The Chinese Institute of Engineers	A modified hysteresis current controller with DFCEA for current harmonic mitigation using PV-SHAPF	2158-7299

Name of the Faculty with designation	Journal Name / Patent	Title of the Journal / Patent/ Article	Reference No.
Dr.R.Arravind Prof. - Aero, PEC	Patent	Chat Bot Applications	202341085823
K.Sudha Devi AP - CSE, PEC E.Elanchezhiyan AP - CSE, PEC	Patent	Web3 Ethereum Transferring Web Application using Smart Contract	202341070768A
M.Sivaranjani AP - CSE, PEC	Patent	Revolutionizing diabetic eye disease detection: Retinal image analysis with cutting-edge deep learning techniques	Under Review
Mr.R.Loganathan ASP- ECE, PEC	Patent	Web3 Ethereum Transferring Web Application Using Smart Contract	202341070768 A
Dr.B.Venkatesan Prof.- IT, PEC	Patent	Smart Biosensor Device for detecting lung Cancer	6332475 UK Design Patent Grant
Dr.G.Balaji Prof. - EEE, PEC S.Suganya AP - EEE, PEC Dr.A.Rathinam ASP EEE, PEC DrC.Arulkumar ASP - EEE, PEC	Patent	GSM Based Voice and Video Recorder Using Microcontroller	202341080271
Dr.G.Balaji Prof. - EEE, PEC	Patent	IOT based automated rail track inspection trolley	397634-001
Dr.D.R.P.Rajaratnam Prof. - MCTS, PEC Dr.R.TAjaykarthik ASP - MCTS, PEC R.Arunbabu AP - MCTS, PEC S.Manikandan AP - MCTS, PEC C.Vibin Stalin AP - MCTS, PEC R.Karthick AP - MCTS, PEC	Patent	ChatBot Application	202341085823

Student Journal Publications, Patents and Books

Name of the Student	Journal / Book / Patent Name	Title of the Journal Patent/ Article / Book	Reference No.
Pavithra N IV - FT, PEC Anbuselvam H Dinesh Suriya B Vengatesh R III - FT, PEC	Book Chapter Title :Sustainability by Design : Modernizing Food Processing with Novel Techniques	Research trends in Science & Technology by Bhumi Publications	978-93-95847-2
Abin Joy Mathew Kiruthika M Sumitha V IV - FT, PEC	Book Chapter Title : Alternative protein	Recent Trends in Life Science Volume III by Bhumi Publications	978-93-95847-42-1
Jainandhini S Prasanth S Ranjana J IV - FT, PEC	Book Chapter Title : Organic Foods	Research and Reviews in Agriculture Science and Volume IV by Bhumi Publications	978-93-95847-30-8
M.Sarankanth R.Suganesh R.Gowisckraj S.Kavinth IV - EEE, PEC	Patent	GSM Based Voice and Video Recorder Using Microcontroller	202341080271
Hariharan S.B Hariharan R Haridharan.M Kubendiran E Vignesh K IV - CYS, PEC	Patent	Web3 Ethereum Transferring Web Application Using Smart Contract	202341070768 A
S.Sri ranjani M.P.Venkat vijay V.Sowmiya E.Tamizhan II - CSE, PCE	International Journal of Research in Academic World	Machine learning algorithm for predicting and classification of lung cancer	E-ISSN:2583-1615

Student Achievements and Awards

Name of the Student	Awards / Achievement Details	Awarded by	Date
E.Udhayarasu M.Pradeepkumar S.Rosini III CSE -PEC	SIH – 2023 (Grand Finale)	Ministry of Education, Govt. of India	19.12.2023 & 20.12.2023
E.ShriHari III CSE -PEC	Debate Contest Speak for India (Selected for Zonal level phase)	Times of India	12.12.2023

What are supplementary materials and how they help to enhance your research article

Supplementary material is relevant material that is additional to the main article. It can be anything from tables to presentations, to video and audio files. These supplementary materials add another dimension to your article, and help with increasing its online reach and broadening the scope of its impact within your discipline. Research shows that articles with



supplementary material are downloaded and cited more often than those without. By including data and supporting materials to your article, researchers can access your work more easily. Funders are also able to identify clear links to data, making sure you meet your certain funding requirements. Supplementary material help contextualize an article in much the same way that appendices and footnotes streamline a book. Supplementary material creates additional discovery points for the article through backlinks. Many funders require the use of supplementary materials. Plagiarism detectors are now reviewing supplementary materials, supplying an added layer of protection to the work and the author.

Copyright companies such as CCC (Copyright Clearance Center) are working with publishers to automate delivery of supplementary materials for as much content as possible.

Types of supplementary material

- **Infographics**

You can summarize your findings and attract readers to your article by including an infographic, alongside your article.

- **Tables and charts**

Include the full range of data and statistics from your research without over-cluttering your article.

- **Video**

Engage your audience and deliver the main points of your article across to your audience with multimedia.

- **Audio**

Consider adding relevant audio files to enhance your readers' understanding and engagement with your research.

Resources to support supplementary materials include fully supports *ScholarXplorer* of Taylor & Francis Online data linking that establish a permanent link between your published article and its associated data. Also Taylor & Francis Online hosts articles' supplementary material on Figshare making it easy to find via search engines.

Note: Journal publishers have their own policies and guidelines for supplementary materials which are to be followed by authors.

Source: <https://authorservices.taylorandfrancis.com>

RESULTS AND DISCUSSION

- The results should contain elaborated discussion.
- At least 3 parameters are expected to be discussed on efficiency analysis.
- Make a clear tabulation on data used to make required graphs and figures.
- Mention in detail about simulation method, if used.
- Hint on the data set with its source, if used.
- Sum up the analysis, results, findings as well as contributions from the previous literature.

CONCLUSION

- In conclusion, strengthen and enrich your paper by mentioning few things that make your paper stand out from others.
- It sounds good if your work start like “This is the first work implementing this technique” (Just for the illustration I have mentioned).
- Usually reputed journals expect more work in the result and discussion part than that of the methodology part.
- Ensure all the figures in the article are with high resolution.
- Make proper connectivity between sections in the article.
- Follow the rule of the journal thoroughly even while mentioning bibliography.
- The references should be listed in the order in which it is referred.

ACKNOWLEDGEMENTS

Ensures those who helped in the research are recognized.

REFERENCES

- Cite the main scientific publications on which your work is based.
- Do not use too many references.
- Avoid excessive self-citations.
- Avoid excessive citations of publications from the same region.
- Conform strictly to the style given in the 'Guide for Authors'.

WATCH ALSO THE FOLLOWING WHILE WRITING A PAPER

First, the sentences should be taken care. For example,

- **Present tense for known facts and hypotheses.**

“The average life of a honey bee is 6 weeks”

- **Past tense for experiments you have conducted.**

“All the honey bees were maintained in an environment with a consistent temperature of 2 degrees centigrade...”

- **Past tense when you describe the results of an experiment.**

“The average life span of bees in our contained environment was 8 weeks...”

- **Avoid abbreviations: “it's”, “weren't”, “hasn't”**

Never use them in scientific writing. Only use abbreviations for units of measure or established scientific abbreviations, e.g. DNA

Source: <https://researchbrains.com/how-to-create-a-quality-article-that-could-be-published-in-any-reputed-and-free-journals-like-elsevier-springer/>

Alumni Testimonial

PAAVAI ENGINEERING COLLEGE



Mr. ASHWINPANOLIKANDIYIL
B.E MCTS
Assistant Manager, HSE Company:Jindal Saw Gulf LLC
Abu Dhabi

I am so glad to share my experience which I had gone through at Paavai Engineering College as a Paavaian. Feeling proud to be a part of this Alumni Testimonial and thanking to my beloved Paavai Management who give the opportunity to expose my achievements in Life, after graduated at Paavai.

My first attraction at Paavai is Infrastructure which made me to feel positive vibes, while entering into the Campus itself. The Dynamic Management and Professors here to put their trust on the students to the fullest and continuously support us to reach heights. In these 4 years of academic, I have learnt a lot which helped me excel academically, as well as personally. Paavai aims at overall development of an individual and also provides multiple opportunities to develop new skills.

PAAVAI COLLEGE OF ENGINEERING



S.SWATHI
B.E EEE, Batch - 2017- 2021
Team Sopperter, Tech Mahendra
Coimbatore

Paavai college of Engineering B.E.EEE gave a great opportunity me to broaden our knowledge beyond our field of studies within a multicultural environment. The friendly attitude of the professors and their willingness to always after a helping hand has made me feel a part of the paavai family. It's really been a great experience as a paavaian. There, I have learned the basics of life, how to balance work and studies the same time. Apart from classes and lectures there were also multiple workshops, seminars, which shaped me as the person I am right now. The four years spent here were splendid and has helped me to grow better professionally and personally.

PAAVAI POLYTECHNIC COLLEGE



M.MONISH
DEEE - 2020-2023
TNEB,Theni

Having well-equipped classrooms, a good library, spacious buildings, and a large campus can greatly enhance the learning environment. A clean and hygienic environment is also crucial for promoting a positive atmosphere for both studying and overall well-being. Such amenities can contribute significantly to the overall quality of education and student satisfaction. It's great for me that I had such positive experiences during my time at college.

ENGLISH CORNER

PHRASAL VERBS

What are phrasal verbs?

Phrasal verbs are verbs that consist of two, or sometimes three, words. The first word is a verb and it is followed by an adverb or a preposition or both.

List of Phrasal Verbs

Look away: to turn your eyes away from someone

e.g. The accident was so horrible that I had to look away.

Look after: to take care of

e.g. We have to look after our parents.

Look for: to look for something or someone

e.g. I am looking for my black shirt; have you seen it?

Look into: to investigate or examine

e.g. The manager promised to look into my complaint.

Look out : to be careful

e.g. We have to be on the look out while travelling during night.

Look up: to search for information

e.g. I really look up to my father.

Look down upon: to think that others are inferior to you

e.g. We should not look down upon the poor.

Put up: handle / tolerate

e.g. I can't put up with the manager's attitude any more.

Put up : write your name

e.g. Put up your name in the given proforma.

Put up : performed

e.g. The artists put up a great show last night.

Putting me: kidding / teasing me

e.g. Are you putting me on?

Put on : extinguished

e.g. The firefighters put on the fire.

Put on : released

e.g. The Director put on a new CD last month.

Put on : gained

e.g. My father looks as if he put on some weight.

Putting everyone out : Stop talking negatively about everyone!

e.g. Stop putting everyone out !

Put away : postponed

e.g. The Principal put away the meeting until next Thursday.

Ask for / asked for : demand

e.g. **Ask for()** The manager **asked for** an explanation when the clerk did not complete his work.

Back up : reverse

e.g. Back up backed up his car as there was a traffic jam.

Call on : visit/meet

e.g. Call on My friend will call on me tomorrow morning.

Draw up : stop

e.g. Draw up I could not draw up my car when the brakes had failed.

Get down : depress

e.g. Get down(depress)We should not get our friends down.

Hang out : Relax

e.g. Hang out(relax)We hanged out the whole day in a picnic spot.

See to : attend to

e.g. See to I will see to it that my friend's problems are solved soon.

Think over : consider

e.g. Think over I will think over his promotion in office.

Wake to : realise

e.g. Wake to We must wake to reality.

Work for : represent

e.g. Work for Kumar is working for a multinational firm.

Work upon : exert influence upon

e.g. Iago's words worked upon Othello.

Work against: affect negatively

e.g. The MP's long absence from his constituency worked against his victory.

Work at : give thought

e.g. You will solve this problem if you really work at it.

Work towards : strive to reach or achieve

e.g. The trade union is working towards their charter of demands.

Work up : excite

(e.g.) John usually gets worked up before examinations.

Work out :plan

e.g. If we think properly, we can work out a solution.

