

PAAVAI VOICE

JUNE - 2022 A MONTHLY BULLETIN

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Chairman's message

Dear Parents and Students! Greetings from your Chairman!

In welcoming you, I bring with me 25 years long celebrated history of Paavai Institutions. In these years, we, as reputed institutions are imparting knowledge in various fields. I'm happy to share Paavai Voice, June edition with the achievements of the academic and non-academic events.

We inculcate the value of seeking greater well-being of the society and the nation in our students. This driving force inspires us to endeavor for the overall development of the students who could after getting a holistic education become able and aware citizens, capable of giving their valuable contribution in nation building and are ready to be the torch bearers of the society.

I applaud the students of Civil Engineering who have rendered their best in the construction of the Pyramid of Grace and Light of Tower. Pyramid of Grace is a dome rooted in good energy and spirituality. The plan for the same was initiated by 2016 Batch students and with years of construction finally completed in the year 2022. I hope the students and faculty members utilize the space to energize themselves.

I deliver my appreciation to our student M. Anupriya, II-yr CSE, Paavai College of Engineering, who has achieved a new Noble World Record in yoga. This is another feather to our hat, adding to the numerous achievements and accolades we have garnered over the years in the field of sports. We focus on moulding the students both in academics and extracurricular activities so that they grow into strong and individualistic personas.

Paavai Institutions is student-centric focusing on their welfare and guiding them to the right path. We inaugurated "Campus to Career Launch" together with CII, Indian Women Network, Tamilnadu, an initiative that focuses on training women students to excel in their major shift from college into their careers. This will be an attempt to let the women students progress and be the fore - runners of the society.

I congratulate all the students, faculty, and non-faculty members of our institutions who are constantly churning out their best effort towards individual and personal growth. Let us all work to our heart's best and achieve unprecedented miles to create a brighter future.

PYRAMID OF GRACE

Energy of Goodness and Spirituality

Paavai Engineering College has rooted the good vibration in the form of 'Pyramid of Grace' and 'Paavai Light Tower'. 'Pyramid of Grace' was constructed by Civil Engineering staff members and students. It has been initiated, planned, designed and constructed by Civil Engineering students of batch 2016-2020 and batch 2018-2022 in the year 2020 and finally completed by Civil Engineering students of batch 2018-2022 in the year 2020 and finally completed by Civil Engineering.

The structure is initiated with the foundation made of basalt rocks. Then, the upper section of pyramid is constructed by M Sand and bricks as masonry structure. The area of the pyramid is 400 square feet and the height is 17 feet. The pyramid is a replicate of Giza, so the pyramid is constructed as 8 sided surface with stepped outfit with rise and tread of 4 inch and painted in red and white to brighten the pyramid. It has totally 29 steps. A Kalasam is fixed at the top of the structure to enhance positivity. The angle of pyramid edges are 45° inclined with respect to centre. Inside the Pyramid, a meditation room is designed with the area of 22 square feet.

The students and teachers can utilize the opportunity of meditating inside the Pyramid of Grace to sustain positive vibration in them. The meditation enhances the mental peace and equanimity in an individual.



Construction of Pyramid at basement level by Civil Engineering students of batch 2016-2020



Pyramid of Grace



பிரமிடு வடிவிலான தியானக்கூடம் அமைத்த பொறியியல் கல்லூரி மாணவர்கள்



100

Pyramid of Grace with Kalasam constructed by Civil Engineering students of batch 2018-2022

PAAVAI LIGHT TOWER

The Paavai Light tower which is adjacent to Pyramid of Grace enlightens the campus with its light of wisdom. It has an emblem of Paavai Institutions which has got Deepam (Akhanda Deepam) to spread light throughout the day and night, which will continue to emit the positive energy. The auspicious divine energy which emulate from Pyramid of Grace and Paavai Light Tower enchant the Paavai Institutions with positive vibration and serene atmosphere.



Paavai Light Tower with Akhanda Deepam

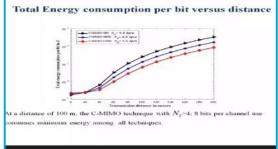
Academic and Non-Academic Activities

The Electronics Club of the Department of Electronics and Communication Engineering in association with the Institution of Electronics and Telecommunication Engineers (IETE) had organized "Electro Vision" on 02.06.22. The event was conducted for all the branches of Paavai Engineering College. Dr.R.MohanaPriya, Associate Professor and Mr.S.Satheeshkumar, organized the event. Dr.T.Arunkumar, Head of the Department, Bio Medical Engineering was the chief guest. Dr.M.Sudha, Head of the Department, ECE also addressed the gathering.



The Department of Electronics and Communication Engineering in association with Paavai Association of Communication Engineers and Institution of Engineers IE(I) had organized a webinar on "Energy Optimization In Wireless Sensor Networks" on 03.06.22 through Microsoft Teams platform. Ms.M.Kanthimathi, Associate Professor, ECE, Sri Sairam Engineering College was the resource speaker. She elucidated about the different modulation schemes involved and optimal spatial modulation. Dr.R.Mohana Priya, Associate Professor and Mr.S.Loganathan, Assistant Professor, ECE, IE(I) faculty coordinator organized the event.

The Department of Mechatronics, PEC organized a one-day Alumni Guest Lecture on "New Age Software Testing" on 03.06.22. The chief guest, Mr.K.M. Surya Prakash, Senior Test Analyst, Stradegi Solutions, Sholinganallur, Chennai explained the importance of Software testing and different types of software testing strategies. The session was very informative and interesting. Totally 225 students got benefited from the session.

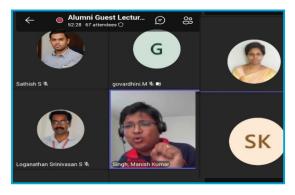




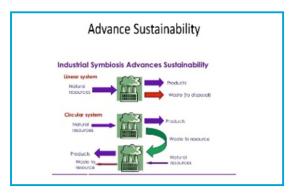
The Department of Mechanical Engineering and Resource Club jointly organized two events namely Crack Brain and Object Pin Pointing under MECHFEST- 2K22 Programme on 04.06.22 in Thermal Laboratory. Students from various branches took part in the events in large numbers enthusiastically. Such events help students to improve their creative thinking ability.



The Department of Electronics and Communication Engineering organized an online Alumni Guest Lecture on "Essential Skills to Ace Interviews "on 05.06.22 through Microsoft Teams platform. Mr.Manish Kumar Singh, Automation Manager, Accenture (North America), NJ, USA was the Alumni speaker. The Presidential Address was delivered by Principal, Dr.M.Premkumar. The alumnus explained about interview preparation for software and core companies. Mr.S.Sathish, Assistant Professor, ECE organized the event.



In connection with World Environment Day on 05.06.22, A Webinar on the title "Integrated Solid Waste Management in a Typical city" for all department students was organized by Department of Civil Engineering in association with Environmental Club and Institution's Innovation Council (IIC-PEC), Paavai Engineering College (Autonomous).via Microsoft Teams. Dr.G.Venkatesan, Assistant Professor (Senior Grade), Department of Civil Engineering, University College of Engineering, Anna University, BIT Campus, Trichy was the guest speaker. Mrs.K.Sharmiladevi, Head of the Department welcomed the speaker. Dr.M.Premkumar, Principal & President IIC, Paavai Engineering College delivered the Presidential address on this event.



The Department of Mechanical Engineering and Resource Club jointly organized a webinar on "Lean Manufacturing" on 06.06.22 to provide inputs on Lean Manufacturing technique applied in different industries to reduce cost, waste and add value to their products. Dr.N.Rajeshwari, Head, Department of Mechanical Engineering, Saint Peters Institute of Higher Education and Research, Chennai, Tamilnadu was the Guest Speaker.

LEAN MANUFACTURING

Dr. N. RAJESWARI PROF. & HEAD of MECHANICAL ENGINEERING st. PETER'S INSTITUTE OF HIGHER EDU. AND RES., CHENNAI

The Department of Computer Science and Engineering, Software Development & Information Management Club in association with Institution's Innovation Council (IIC-PEC) organized a one day seminar on "Innovation/Prototype Validation-Converting Innovation into a Startup" on 11.06.22 at Kalam Chamber. Dr.M.Premkumar, Principal and President of IIC of Paavai Engineering College delivered the Presidential address. The Chief Guest was Dr.Sampath Kumar Nandhagopal, Principal Consultant Lad2leader, EDII Master Trainer and NEN Faculty, Mentor and Educator, Salem. A total of 180 students were benefited.



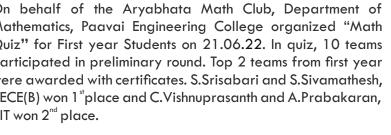
The Department of Science and Humanities in association with Entrepreneurship Development Cell, Paavai Engineering College organized a one day Guest lecture on "Awarness Programme on Entrepreneurship" on 20.06.22. This Programme was organized by Professor & Head, Prof. M. Mohan and coordinated by Dr. P. Pugalenthi & Mrs. P. Divya along with faculty members. Dr. M. Premkumar, Principal, Paavai Engineering College delivered his Presidential Address on the occasion. Prof. M. Mohan, Head-Science and Humanities introduced the Chief Guest, R. Adithya, Chartered Accountant, Salem. He shared his knowledge on Entrepreneurship and innovative business ideas and explained briefly about various interesting Information in the business development.

An MoU was signed between Paavai Incubation Centre and Luckycharms to carry out the project sanctioned under National Innovation Contest, AICTE, MoE Cell by Dr.M.Premkumar, Principal, Paavai Engineering College on 21.06.22. Dr.M.Sudha, Professor and Head- ECE, Dr.Pugalenthi, Head-Paavai Incubation Centre, and department EDC Coordinator Mr.S.Vijaya Kumar were present.

On behalf of the Aryabhata Math Club, Department of Mathematics, Paavai Engineering College organized "Math Quiz" for First year Students on 21.06.22. In quiz, 10 teams participated in preliminary round. Top 2 teams from first year were awarded with certificates. S.Srisabari and S.Sivamathesh, I-ECE(B) won 1st place and C.Vishnuprasanth and A.Prabakaran, I-IT won 2nd place.

Department of English in association with English Club

organized English Elocution on the topic "Impact of Technology on Today's Youth" on 21.06.2022 at Additional Block, Paavai Engineering College. Mr. Rogan Antony, Asst. Prof of English & Ms. Archana, Asst. Prof of English acted as the coordinators. Students were allotted marks on criteria such as pronunciation, content and fluency. Certificates were issued to the winners.









A workshop on 'Design thinking in Teaching - Learning' was organized by Faculty development department and IQAC on 28.06.22 at Smart Hall. Dr.K.Selvi, PCT, Principal welcomed the gathering. Dr.R.Kasthuribai, retired Professor of English was the chief guest. Dr.R.Kasthuribai addressed the gathering by highlighting the relevance of design thinking in teaching and learning process. She concluded with the point "change the design to redesign the future of younger generations". Some of the faculty members registered their feedbacks. Dr.K.Sundaramurthy, IQAC Co-ordinator proposed the vote of thanks.



The Department of ECE in association with Institute of Engineers (IE) of India organized a six day Faculty Development Programme tilted "Recent Advancements and Applications of Data Science" from 27.06.22 to 02.07.22. Dr.S.V.Kogilavani, ASP / AI, Kongu Engineering College, Perundurai,Erode, Dr.S.Sridevi, ASP, ECE, Vel Tech Institute of Science & Tech, Avadi. Prof.S.Sathish, AP, ECE, KCT, Coimbatore, Dr.S.K.Aruna, AP, CSE, Christ Deemed University, Bangalore, Dr.P.Anandan, AP(Senior Grade), ECE, VIT, Chennai, Dr.A.Bhavani Sankar, Professor & Head EEE, Anjalai Ammal Mahalingam Engineering College, Tanjore were the resource speakers. The resource speakers explained about various advancements and applications of Data Science.



Human Rights Slogan

- 1. Stand united for human rights.
- 2. Society for all without discrimination.
- 3. Everyday is a human rights day.
- 4. Equal rights for all, privileges for none.
- 5. No matter our job, no matter our height, we all deserve to be treated right.
- 6. Human rights violation is devastation to our nation.
- 7. All human beings are born free and equal in dignity and rights.
- 8. To deny people their human rights is to challenge their very humanity.
- 9. Humanity appreciates truth about as much as a squirrel appreciates silver.
- 10. Love and compassion are necessities, not luxuries, without them, humanity cannot survive.

P. Kiruthika, M. Prathiksha, I yr B. Ed.

Social Sensitivity

Third and Fourth year B. Sc Nursing students (75) students of Paavai College of Nursing and Research, have participated in the Mega Vaccination Camp (conducted by The Government of India) on Sunday 12.06.22 at Vinaitheerthapuram, Belukurichi, Primary health centers and sub-centers. The public was greatly benefited.



The Talent Quest for India of Paavai Engineering College in association with Youth Red Cross organized an awareness programme on 'Blood Donor's Day' on 14.06.22 by visiting every classroom. During the awareness, volunteers explained about importance of donating blood and physical changes after donating blood. 35 students volunteered in the awareness programme and it reached around 800 students.



National Service Scheme of Paavai College of Engineering and Government Hospital, Namakkal organized the vaccination Camp on 18.06.22 in Pragathi Hall. In this camp, Dr.Sudha, Medical Officer, Primary Health Center, Pudhuchattram, Health Inspectors, Mr.B.V.Maheswaran. NSS Programme Officer, Paavai College of Engineering were present. A total of 210 students and staff participated.



NSS SPECIAL CAMP REPORT

On 17.06.22, Dr.M.Premkumar, Principal, Paavai Engineering College, Namakkal, the chief guest, addressed the NSS volunteers on the inauguration of the camp. Felicitations were given by Mrs.Rajeswari Murugesan, President, Thathaiyangarpatti and Mrs.P.Maheswari, Head Mistress, Primary School, Thathaiyangarpatti. After inaugural function, group discussion with the public as well as with the Panchayat President Mrs.Rajeswari Murugesan about the activities of the camp was conducted.

On 18.06.22, a seminar on 'The Role of Youth in Modern India' was given by Dr.M.Sathish Kumar, Associate Professor, Department of Mathematics, Paavai Engineering College. The students and the public participated in the seminar. Voluteers whitewashed the school kitchen walls and repainted the Government middle school walls at Thathaiyangarpatti.

On 19.06.22, Covid-19 awareness rally was conducted to give awareness about the usage of facemask, frequent hand wash and social distancing. The rally also stressed the importance of vaccination. A seminar on the title 'National Service Scheme and its Importance' was given by Mr.C.Rathnakumar, NSS Programme Officer, Paavai Engineering College. Thathaiyangarpatti village streets and school campus and Samuthaya Kudam, Thathaiyangarpatti were cleaned.

On 20.06.22, a free eye checkup camp was conducted by the doctors of Vasan Eye Care Hospital, Namakkal and their team members. More than 100 persons were benefitted by this activity. A seminar on Kavalan SOS App Importance was given by Dr.K.Selvi, Principal, PCT. The students and the public participated.

On 21.06.22, saplings were planted around the school premises, streets and the ponds. They also planted saplings at every house. Various competitions were conducted for the school students like drawing, essay writing, musical chair, dancing and singing to encourage their talents. A seminar on 'One Student – One Tree' was given by Dr.V.Subburam, Associate Professor, Department of Mechanical, Paavai Engineering College.

On 22.06.22, saplings were planted around the Village Administrative Office. A free medical camp was conducted by the doctors of Pudhuchattram and Vinaiteerthapuram Government Hospital and their team members. More than 100 persons were benefitted by this camp. A seminar on the title 'Greenhouse Farming and Its Employment' was given by Dr.V.Manivannan, Assistant Professor, Chemistry, Thiruvalluvar Government Arts and Science College, Rasipuram. The students and the public were benefited.

On 23.06.22, a seminar on 'Blood Donation and Organ Donation' was given by Mr.C.Loganathan, Head, Audio-Visual, Paavai Educational Institutions. The students and the public were benefited.

The valedictory function of the camp was presided over by Dr. K.K.Ramasamy, Director-Administration, Paavai Educational Institutions. The Report of the special camp was presented by Mr.C.Rathnakumar, NSS Programme Officer, Paavai Engineering College. Felicitations were given by Mrs.Rajeswari Murugesan, President, Thathaiyangarpatti, Mr.M.Shanmugasundaram, Teacher, Middle School, Thathaiyangarpatti and Mr.T.R.Ganesan, Ex. Principal, Thiruvalluvar Government Arts and Science College, Rasipuram. Prizes were distributed to the school children. Dr.D.R.P.Rajarathnam, Head, Department of Mechatronics, Paavai Engineering College proposed the vote of thanks.





WAYS TO PREVENT PROCRASTINATION

1. Set reminders

On an hourly basis to keep remembering you to complete the task without wasting time.

2. Try to do something new every day

A creative mood enables you to remain active, thus keeping procrastination at bay.

3. Early to bed; early to rise Early morning time is best to accomplish tough tasks. It refreshes the mind thus keeping away from procrastination.

4. Schedule time blocks

Make a schedule for all the major tasks of the day and try to allot fixed time to all.

5. Avoid time wasters Avoid watching TV. Sitting in front of TV is the biggest reason for procrastination.

- 6. Clear junk immediately Clearing junk, be it mails, papers or trash, is essential to eliminate procrastination.
- 7. Avoid checking mails at work Avoid opening unnecessary and less important mails while working.

8. Keep to time and track yourself

Track yourself and your course of action.



Campus to Career Launch

The Launch of Campus to Career Programme was organized by Paavai Engineering College and Cll-IWN on 29.06.22. The Programme started in the presence of Shri.CA.N.V.Natarajan, Chairman, Paavai Institutions, Guests Mrs. Hema Mani, Chair, IWN-TN, Ms. Rajalakshmi, Co-Chair, IWN-TN, Smt. Mangai Natarajan, Correspondent, Paavai Institutions, Dr. K.K.Ramasamy, Director Administration, Smt.Avanthi Natarajan, Director-Student Affairs.

Shri.CA.N.V.Natarajan, Chairman, Paavai Institutions presided over function and delivered the Presidential Address. In his address, he stated that the gap between the campus and career will be narrow downed by IWN-TN with the initiatives taken by Smt.Avanthi Natarajan, Director-Student Affairs, Paavai Institutions. He briefed the expectations of parents about their children in terms of Education, Placement and getting an appropriate job. He said the efforts taken by the college and organization like CII-IWN (TN) motivated the students from all types of educational and social background to get greater benefits. He highlighted that Paavai Institutions is a student centric institution, guiding the students on the right path and to the right destiny.

Smt. Avanthi Natarajan, Director-Student Affairs, Paavai Institutions, briefly explained the setting of the context about the launch of C2C. She stated that right from the inception of students in Paavai Institutions, training for their future career starts. In her speech, she said Paavai Institutions is an ideal setting environment for learning, developing and chiseling the students. She explained that initially students may face some curves and difficulties, which are addressed immediately and corrective measures are being taken right from day 1 in the campus. She concluded that the final year students are ensured that they are Industry ready graduates.



Mrs. Hema Mani, Chair, IWN-TN, gave the special address. She explained about the percentage of women in Industry. She clearly stated that the proportion of women being educated from schools, entrance exams with respect to women in industry is inverse. She highlighted the participation of women in all the domains of industries and societal positions is vital.

Ms.Rajalakshmi, Co-Chair, IWN-TN, gave an orientation on C2C. She started her speech with a quote by Dr.A.P.J.Abdul Kalam, Former President of India as never stop dreaming about your future and chase your dreams without sleeping. She explained about her own experiences in interviews and about Human Resource processes. She highlighted about how she started understanding the motto of HR as well as the recruitment process of engineering graduates and polytechnic graduates for different positions in an organization.

Smt. Mangai Natarajan, Correspondent, Paavai Institutions, felicitated the gathering. In her felicitation, she explained that women should not be dependent and comparable with the other gender. She stated that girl children must be taught about their strengths and weakness right from childhood. She said the the girls must believe their strength and carry their life in a best way and achieve their goals to serve the nation. Dr.K.K.Ramasamy, Director Administration, welcomed the gathering. Ms. SafaFarin, II year B.E. Biomedical Engineering briefed the profiles of the guests. Cll Faculty Coordinator Mrs.A.Samundeeswari, AsP, ECE, Paavai Engineering College, proposed the vote of thanks.

Health Corner

DIABETES MELLITUS

Diabetes mellitus is a major clinical and public health problem. It is a chronic condition in which our blood glucose level is raised high (normal 70mg/dL and 125mg/dL). This disease is classified into:

- Type 1 Diabetes body does not produce insulin (an hormone that regulate blood glucose level)
- Type 2 Diabetes body produce insulin and can't use it well
- Gestational Diabetes temporary condition in pregnancy

Dos and Don'ts

- + Drink plenty of water.
- + Don't ever skip a meal.
- + Do your daily exercise and stay fit.
- + Take non-fatty dairy products.
- + Avoid sleep during day time.
- + Try to take herbal tea rather than caffeinated tea (or) coffee.
- + Don't smoke and avoid consuming alcohol.

Patient Counselling:

- If there is any family history of diabetes, get blood sugar done every 6 months.
- Follow the insulin therapy daily as per doctor's advice.
- Do a random capillary blood glucose (CBG) at time of hospital admission.

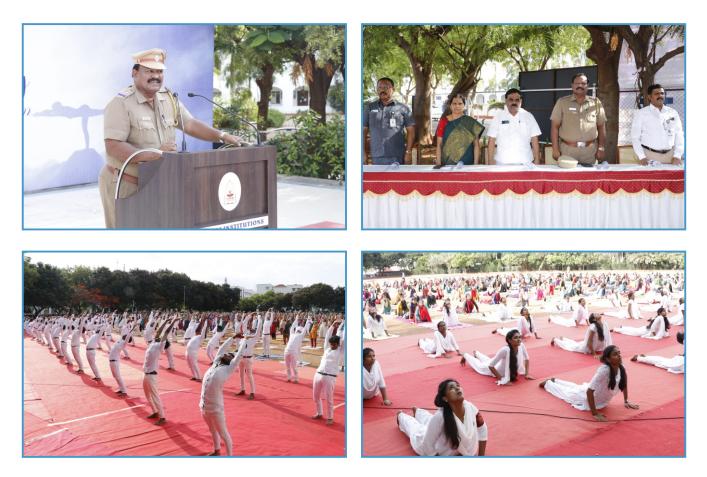
Food for Diabetes:

- Bitter gourd juice
- Fenugreek seeds
- Amla and Turmeric

Ms. N.V. Britya, PCPR

CELEBRATION OF INTERNATIONAL YOGA DAY AT PAAVAI INSTITUTIONS

Paavai Engineering College celebrated 8th International Yoga Day on 21.06.22. Under the auspicious of Physical Education Department more than 800 students participated in the event of celebrating the International Yoga Day in our college premises. Mr.K.Venkadachalam, Inspector of Police, Pudhuchatram, was the chief guest for the function. The session started on a divine note with a prayer song. Ms.Nithya Mahima Gracy, III year B.E. (EEE) welcomed the gathering. The function was presided over by Shri.CA.N.V.Natarajan, Chairman, Paavai Educational Institutions. In his special address, the chief guest, Mr.K.Venkadachalam, stressed the importance and benefits of yoga in our life. He insisted the students to practice yoga daily as it helps to prevent all diseases from our body. Mr.M.Elavarasan, Yoga Coach, Paavai Engineering College, guided the students in performing the Asanas and Pranayam. Smt.N.Mangai Natarajan, Correspondent, Paavai Educational Institutions, Dr.K.K.Ramasamy, Director Administration, Dr.M.Premkumar, Principal, Paavai Engineering College, Heads of the Departments, Mr.N.Santhanaraja, Director of Physical Education, Deans, Staff members and students actively participated in this function. All the students performed the fundamental Asanas of Yoga. The function concluded with the vote of thanks by Ms.Sri Dharshini, III year B.E. (ECE), Paavai Engineering College.





The most beautiful and cherishable memories are the ones that we create during our college days, especially the fun and joy gets doubled if we get to travel and spend time with our friends and beloved teachers. Yes, Paavai Arts and Science College for Women gave me such an amazing opportunity to go on a trip with my friends and teachers to add more breathtaking memories to my bucket of experiences.

The trip started on Thursday (16.06.22) night from the college, waiting outside of our college building were these enormous, well facilitated tourist buses.





One of the important points when it comes to travelling is what we are riding on, "a good ride gives us a good time" and that's what exactly happened to us. The buses were very clean and gave us a comfortable ride throughout the trip. The high-quality speakers that were installed kept us dancing all through the night.

Early morning in Ooty, appreciating the beautiful trees and views that nature had to offer on the way up the hills was delightful. More than that, claiming that the sunrise felt like heaven would not be an overstatement. It might have been due to pulling an all-nighter dancing but it really felt like I am floating on clouds, making my way into the paradise.

On reaching cottage which was simple and neat, the climate was very chill but the bright sun kept us a little warm. After a quick freshening up and finishing our breakfast, we began to tour the locality.

Everyone knows that Ooty is a place filled with beautiful flora and fauna, day one of the trip was completely dedicated for sightseeing this gorgeous town. I had my phone fully charged earlier, ready to capture the wonders that this trip has to offer.

The first spot was 'Pine Forest'. For all nature lovers who fancy overlooking the vast landscapes of the Nilgiri hills, the best place to have a great time would be the Pine Tree Forests in Ooty.



After filling my gallery with pictures of trees and lakes, we headed to the next destination, which is a famous shooting spot. Well, if I had to give it a name of my own, I would call it THE GREEN PARADISE. Everywhere you turn you will be surrounded by tall trees and beautiful plants, which definitely is a rare sight when you belong to the city side.

Then came the 'Wenlock downs Nature Trail'. It felt as if I was entering into a painting, that's literally how beautiful the location and the view looked like. Also, the Wenlock Downs is a scenic tourist spot which boasts vast meadows sprawling out to what seems like infinity.

There were also many stalls nearby those areas filling my hungry tummy with hot delicious food and snacks! The college had also prepared lunch for us making me and the rest ready for our next spot.

Listen! if you had to put Ooty and sightseeing in one line then the first spot that would come to your mind would be? Bada-bing! The Botanical Garden! That was the last spot of the day. Botanical Garden is undoubtedly one of the most sought-after tourist attractions not just in Ooty but in the entire Tamil Nadu. No tourist should leave Ooty without a visit to this well-organized botanical garden which offers more blossom-filled wonders.



Flowers and plants of all colours and variety could be seen here. If the earlier place is green paradise, then I shall call this garden 'flower paradise'. Literally my phone memory was almost full at this point.

Before we went back to our rooms, they gave us an hour of shopping. Of course, shopping is inevitable especially when you are in a place like Ooty. It started raining all of a sudden, though it was a bit uncomfortable shopping in the rain, it was another new experience and of course everything seems fun when you are with your friends. I remember my friends and I took shelter in a nearby momos shop, it felt so good having hot momos in the rain.

After finishing all shopping and dinner we reached the rooms at around 8.30p.m. After a hot shower I tucked myself in, I was waiting for tomorrow to come already because it was the time for the most awaited 'Black thunder'! Our day 2 was to be fully spent in Black Thunder. I don't think I need to elaborate much on this one, because it is already known how much fun a theme park is. I went on all the rides, ate a lot, and had the best time of my life with my friends.

Right when I thought the fun was over, I and the others had a surprise, cakes and crackers. We all were shouting with joy and pretty much had the best ending for a tour. Since, that was the last day with my friends and teachers together in my final year of the college life, it got a little emotional but I cherished every moment of it dearly. And after a stomach-filling dinner, we all headed home safe and sound. This was thus my awesome experience during my college years.



M.Hemapriyadharshini III B.A. English

Reunion-Alumni Meet

"மலரும் நினைவுகள்

மணக்கும் உறவுகள்"

The Alumni Association Cell of Paavai Engineering College had organized the alumni meet for the passed out batches of 2013, 2014, 2015& 2016 on 12.06.22 and 2009, 2010, 2011& 2012 on 26.06.22 at Kalam Chamber. All the alumni were happy to assemble in the college campus, their Alma-mater. The meeting started in the presence of Chairman, Correspondent, Director Administration, Director Admissions, Principal, HoDs and Faculty members. Firstly, Principal, Dr. M. Premkumar welcomed the gathering with his words of grace. Then, Chairman delivered his Presidential Address. He expressed his happiness and also announced the possible business opportunities for the alumni students with Paavai Institutions. The Correspondent felicitated the gathering with her words of simplicity and she insisted the alumni members to give more importance to their parents and their health. Then our alumni re-lived their memories they had experienced during their college life. Jananibai from the Department of ECE of batch 2016 and a Paavai Cadet Corps (PCC) member shared her experience in Himalayas trekking from the inspiration of PCC. Mr.M.Prakash from the EEE department of batch 2010 and currently working in TNEB presented a painting to the Chairman and shared his memorable experiences in Paavai. Ms. M. Janani from the department of IT of batch 2011 recalled her memorable events during her college days and also she expressed how she enjoyed the hostel facilities during her stay. Likewise many students came forward and shared their experiences of how Paavai has moulded them to be who they are. Both the days ended with a lot of memories, laughter and group photo sessions.



MATHEMATICS TONGUE TWISTER

A real Mathematician can mathematically mathematize mathematics in a mathematical mathematiculation. So if a mathematician can mathematize mathematics in a mathematical mathematiculation, why can't you mathematically mathematize mathematics in a mathematical mathematiculation like the mathematician who mathematically mathematises mathematics in a mathematical mathematiculation.

ORIENTATION PROGRAM "Beyond Boundaries"

Training counted more than intrinsic ability.

-Nelson Mandela

An outbound orientation program was organised titled "Beyond Boundaries" for three days (27.06.22 to 29.06.22) for the students of MBA, MCA & B.Ed. of Paavai Educational Institutions.

The orientation program was inaugurated on 26.06.22 by Shri. CA. N.V. Natarajan, Chairman, Paavai Educational Institutions and Smt. Mangai Natarajan, Correspondent, Paavai Educational Institutions. The training was conducted by Mrs. Sheetal Gandhi, International ICI Trainer, as a pilot trainer with her team members – Mrs. Swarnalatha & Mr. Dhanavel. On 28.06.22, Dr. Kasthuri Bai, retired Professor of English handled sessions for the participants.

It was a wonderful experience for the students to realize themselves and to showcase their talents. It made them think out of the box. This training program was a play way of learning through activities, which set the participants to unlearn to relearn. It focused on bringing attitudinal changes among the participants with respect to perception, identifying and believing themselves, grooming English communication and networking with people. It was a fun way of learning through performance which kindled the interest of the participants to show involvement in the learning experience.

Few adventurous activities like – glass walk, fire walk and trekking were conducted to make the participants realize that hurdles in life need to be faced with courage and assertiveness. Also, Zumba exercise was taught, as a recreational way of keeping oneself fit. Many activities like web formation, politics, map routing, business plan preparation etc., were conducted to kindle the students' cognition and creativity. Camp fire was conducted as a pleasurable social experience for relaxation.

The key is not the will to win, but the will to get trained.



Noble World Recorder In Yoga MISS.M.ANUPRIYA

We interviewed Miss.M.Anupriya, who is studying 2nd year CSE in Paavai College of Engineering. She achieved the longest time to hold "Garbha Pindasana" at 15ft height on the ring in Virudhunagar, Tamilnadu, India. It is registered in the Noble World Records (Record no:NWR/2293/2022). Her father's name is Manikandan, a businessman and her mother is Janaki, a Teacher. She has an elder brother named Baskar and who is a software developer. She wishes to participate in a number of extracurricular activities, but she is more interested in Yoga. She started yoga at the age of 8. She has participated in State Level Competition and had won 2nd place. She also said that she paused her yoga career at the age of 15, but again she decided to start the yoga at the age of 19. Everyday she practices yoga Asanas in the morning and evening for this achievement. She knows all the advanced Asanas in yoga. She told that Miss.Mujitha, a world record champion in yoga, is the one who inspired her to carry out this challenge. Mr.Francis Jeyakumar, a yoga chakravarthy, is the coach who guided her. She explained the benefits of GARBHA PINDASANA that strengthens the backbone. This asana resembles the position of foetus in mother's womb. She said that everyone should practice yoga in the morning and evening for the health benefits. Her future plan is to achieve more World Records in Yoga. She advises the upcoming achievers to be bold and have self confidence in their career. She sincerely thanked her family members, her coach and her well-wishers for constant support.







Press: USA 756/2019 RNI : TNENG/ 2010/35684 Noble world records (N.W.R) 2021-2022, ISSN :2581-8031 Powered by Nos-Olympic Timers

Research and Innovation Initiative

How to write a good abstract for research papers?

An abstract is a condensed version of the full research paper in a single paragraph and it should concisely summarize the contents of the entire paper. The abstract, though intended to be read first, is written only after the completion of the full report as it is sourced from it. Normally the word limit for an abstract is 200 words and the limit is journal-specific and varies from 100 to 300 words. The abstract format also varies from journal to journal.

The abstract should contain concise information about the following:

- + The purpose, background and scope of the research work or study.
- + The importance of the research work or study.
- + The experimental designs and methods/techniques employed for carrying out the research work or study.
- + The main findings or significant results arrived.
- + The main recommendations or conclusion(s).

What the abstract should not include

The abstract should not have lengthy background details, unnecessary phrases, redundant information, jargon, acronyms, figures, charts, tables maps and bibliographic or literature references. The abstract also should not provide administrative details, funding source and other irrelevant information. It should not jump from point to point without clear flow which may confuse the readers. A bad abstract may put the readers off and the author could miss-out on a download or citation.

Keywords

Optimum number of keywords (say 5 or 6) that are most important from the research point of view to be given at the end of abstract which would help search engines to discover the paper for the readers. Too few keywords may make it difficult to find the paper in searches. The abstract as well as the full report can be refined using the free tools available in the internet like free writing assistant, grammar checker and plagiarism checker.

Model Abstract

Electrochemical micromachining (EMM) appears to be very promising as a future micromachining technique since in many areas of applications it offers several advantages that include higher machining rate, better precision and control and a wide range of materials that can be machined. Present paper will highlight the influence of various electrochemical micromachining parameters like machining voltage, electrolyte concentration, pulse period and frequency on material removal rate, accuracy and surface finish in microscopic domain. According to the present experimental study, the most effective values for micromachining parameters have been considered as 3 V machining voltage, 55 Hz frequency and 20 g/l electrolyte concentration that can enhance the accuracy with highest possible amount of material removal. It has been observed through SEM micrographs that low voltage, moderate electrolyte concentration and high frequency can improve the accuracy with lesser number of micro-sparks. Radial stray cut and on-line pulse pattern during generation of micro-sparks are also considered for selecting the effective zone of EMM parameters. This research development made in this area of EMM will open up many challenging possibilities for effective utilization of electrochemical material removal mechanism in the area of micro-manufacturing.

Keywords: Micromachining, EMM, Machining parameters

Reference.

B.Bhattacharyya, M.Malapati J.Munda, Experimental study on electrochemical micromachining, J. Mater Process Technol, Vol. 169, pp. 485-492, 2005.

Alumni Testimonials

PAAVAI ENGINEERING COLLEGE



S.PUNITHAVALLI

BE-EEE 2015-2019 DRAM Product Test Development Engineer Micron Memory, Taiwan

Ms.S.Punithavalli belongs to the department of EEE, Paavai Engineering College graduated in 2019. She got internship in Taiwan University during her final year through our institution. She successfully completed her internship and got offer to continue her MS programme in Yuan Ze University with 100% scholarship during 2019-2021.She got appointment in Micron Memory, Taiwan as DRAM Product Test Development Engineer, with 1.8 lakhs /month salary.

PAAVAI COLLEGE OF ENGINEERING





It gives me great pleasure to say with pride that I completed under graduation in the department of Computer Science Engineering from Paavai College of Engineering, Namakkal in the year of 2011. The relationship between faculty and student was very cordial, which gave me an opportunity to excel in my studies. The four years spent in the college were splendid and has helped me to grow better professionally and personally.

PAAVAI POLYTECHNIC COLLEGE



J. SRIRAM DEEE (2003-2005) Assistant Manager Kirloskar Brothers Pvt Ltd. Chennai

I studied at Paavai in the year 2003-05. I often say Paavai is my alma mater with so much pride. Paavai was the first step that lead me to my current career and life. This place guided me ashore and I'm always thankful towards the institution.

Students' Achievements and Awards

Name of the student	Year and Dept	Name of the College	Name of the Programme	Venue and Date	Name of the Event	Position/Place
K.Kaviyaa M.Hemalatha	III ECE	PEC	Project Expo	Vivekanandha College of Engineering For Women 03.06.22	Project Expo	1" Place
N.Yuthan S.Venkatesh M.Thirupugalvan	IV ECE	PEC	Internship DRDO, Bangalore	DRDO, Bangalore 03.06.22	Design and Simulation of antenna Arrays	DRDO Project Internship completed
R.Narmatha S.Priyadharshini	III ECE	PEC	Paper Presentation	Muthayammal College of Engineering, Rasipuram 08.06.22	Paper Presentation	2 nd Place
M.Naveena R.Prabha P.Nisha	IV ECE	PEC	Project Contest	Online 20.06.22	Project Contest	Selected for finals
R.Anbarasu A.Ajayaravindan G.Gokul R.Logendaran	III Mech B	PEC	Conference Proceedings	-	Impacts of carbon Nano tubes and boron carbide particles on material properties of Al 6061.	Elsevier Proceedings
V.Varunkrishna	III CSE	PEC	TELAS (Web designing)	Karpagam College of Engineering, Coimbatore, Tamilnadu 03.06.22 & 04.06.22	Dhruva 2022	First place
R.Vijayakumar	III CSE	PEC	Android App Development	Karpagam College of Engineering, Coimbatore, Tamilnadu 03.06.22 & 04.06.22	Dhruva 2022	First place
D. Kamachipriya	II IT	PEC	Paper Presentation	Muthayammal Engineering College 03.06.22	Blue Eye Technology	I

Faculty Achievements and Awards

Name of the Faculty	Dept	Name of the College	Name of the Programme	Venue And Date	Name of the Event	Position/Place
Dr.M.Sudha, Prof. & Head	ECE	I PEC	15 th Annual General Body Meeting - IETE Erode Centre		15 [™] Annual General Body Meeting	Acted as an Executive member
Dr. Hepsi Rachel -Charles Principal	Medical Surgical Nursing	PCNR	State Level Workshop on "Emergency and Critical Care Nursing – Exploring New Horizons	Sri Gokulam College of Nursing, Salem 09.06.22	Communication in Critical Care Units	Guest Speaker

Journal Publications and Patents

Name of the Student / Faculty	Year and Dept	Journal Name	Title of the patent/ article	Reference No.
Dr.S.Thirunavukkarasu, ASP	EEE	International Journal of Creative Research Thoughts	Performance and Analysis of Hybrid Vehicle	IJCRT22A6493
P. Agathiyan. K. Akash V. Gokulraj S. Pragadishwaran	IV EEE	International Journal of Creative Research Thoughts	Performance and Analysis of Hybrid Vehicle	IJCRT22A6493
S.Suganya, AP	EEE	Journal of Emerging Technologies and Innovative Research	Hybrid Electric Vehicle	ISSN 2349-5162
I.Aravinth M.Chowdhry S.Dineshkumar J.SuhailAhamed	IV EEE	Journal of Emerging Technologies and Innovative Research	Hybrid Electric Vehicle	ISSN 2349-5162
Dr.S.Ramachandran, AP	EEE	International Journal of research in applied science & Engineering technology	War field spying robot controlled by raspberry Pi	ISSN:2321-9653
V.Kokilavani V.Sounthariya S.Tamilarasi	IV EEE	International Journal of research in applied science & Engineering technology	War field spying robot controlled by raspberry Pi	ISSN:2321-9653
Dr.C.Arulkumar, ASP	EEE	International Journal of research and analytical reviews	IOT based smart agriculture monitoring system	ISSN:2348-1269

Name of the Student / Faculty	Year and Dept	Journal Name	Title of the patent/ article	Reference No.
R.S.Gautham Sriram P.Sanjay Kumar A.Thiyagu	IV EEE	International Journal of Research and Analytical Reviews	IOT Based Smart Agriculture Monitoring System	ISSN:2348-1269
Mr.R.Satheeshkumar, AP Mrs.S.Suganya, AP Dr.S.Thirunavukkarasu, ASP Dr.G.Balaji, Prof. & Head Dr.S.Rathinavel, AP	EEE	Patent	Automatic Dispensing of Hand Sanitizer with Temperature and Pulse Oximeter Measurement	202241029879 A
Dr.S.Rathinavel, AP Dr. G. Balaji, Prof. & Head Dr.B.MuraliBabu, Prof. Dr.A.Rathinam, AP	EEE	Patent	Development of Ethanol and Acetone Gas Sensing Performance of Mgco2o4 Nanosensors by Clad Modified Fiber Optical Method	202241029883 A
Dr.M.Sudha, Prof. & Head	ECE	Book Publication- GCS Publishers	Internet of Things A New Age Era of Technologies and Applications	978-93-94304-12-3
Dr.T.Loganayaki, Prof. K.Sindhu S.Sripriyadharshini	ECE IV ECE	GRADIVA Review Journal – UGC Care	A WSN Based Electronic Nose for Gas Leakage System in Thermal Power Station	0363-8057
Dr. G. Srinivasan, Prof.	Chem	-	Development of Organic Herbal Tea Powder with Novel Synergistic Approach	Patent Filed
S. Gowtham Kumar	FT	-	Development of Organic Herbal Tea Powder with Novel Synergistic Approach	Patent Filed
V. ThabithaZelin Rachel, AP	FT	Frontiers of Chemical Sciences	Vitamins and Microencapsulation	978-81-95187-2-6
R. PriyaDharshini A. Nandhini B. Karthick Ajay R. Muthuselvi N. Ramya	III FT	Frontiers of Chemical Sciences	Vitamins and Microencapsulation	978-81-95187-2-6
Dr.A.P.Sivasubramaniyam, Prof. & Head Dr.M.S.Vijayanand, ASP Dr.S.T.Kumaravel, ASP	Mech	International Journal of Creative Research Thoughts	Engine Performance and Emission Analysis of DI Diesel Engine Fuelled with Blends of Neem Bio Diesel	ISSN:2320-2882
Dr.A.P.Sivasubramaniyam, Prof. & Head Dr.M.Makesh, Prof	Mech	IJIRT	Design and Analysis of Parallel Car Parking Using Fifth Wheel	ISSN:2349-6002
Dr.A.P.Sivasubramaniyam, Prof. & Head Dr.C.Suresh, ASP	Mech	Journal of Interdisciplinary Cycle Research	Design and Analysis Automatic Electromagnetic Clutch	ISSN:0022-1945
Dr.S.Maniraj, ASP K.Anand, ASP	Mech	Materials Today- Proceedings	Impacts of Carbon Nano Tubes and Boron carbide Particles on Material Properties of Al 6061	Elsevier Proceedings

Name of the Student / Faculty	Year and Dept	Journal Name	Title of the patent/ article	Reference No.
Dr.D.Banumathy. Prof. & Head	CSE	Tech Science Press	Breast Calcifications and Histopathological Analysis on Tumour Detection by CNN	CSSE, 2023, vol.44, no.1
P. Renukadevi, ASP	CSE	Tech Science Press	Covid-19 Forecasting with Deep Learning-based Half-binomial Distribution Cat Swarm Optimization	CSSE, 2023, vol.44, no.1
Mrs. M.Sivaranjani, AP	CSE	International Journal of Current Science – IJCS Publications	Login Restrictions Using Face Age Estimation from Real Time Face Database	ISSN:2250-1770
M.Buvaneswari, AP	CSE	International Journal of Current Science – IJCS Publications	Credit card Fraud Detection using Random Forest Algorithm	ISSN:2250-1770
Mrs. M.Sivaranjani, AP	CSE	International Journal of Current Science – IJCS Publications	Rice Quality Analysis using Deep Learning	ISSN:2250-1770
E.Elayaroja, AP	CSE	International Journal of Current Science – IJCS Publications	Face mask Detection using Convolutional Neural Network	ISSN:2250-1770
J.Velumani, ASP	CSE	International Journal of Current Science – IJCS Publications	Face mask Detection using Convolutional Neural Network	ISSN:2250-1770
M.Buvaneswari, AP	CSE	International Journal of Science & Engineering Development Research	Detection using Deep	ISSN:2455-2631
E.Elayaroja, AP	CSE	International Journal of Advanced Research in Computer and Communication Engineering	Automatic Detection of Coronovirus disease using X-ray image by convolution neural networks based on Python	ISSN(o)2278-1021
Dr.N.Magendiran, ASP	CSE	International Journal on Current Science	Web Based Application for Plant Nursery	ISSN:2250-1770
R.Loganathan, AP	CSE	International Journal of Current Science – IJCS Publications	Self Monitoring System for Vision based Application using Machine Learning Algorithm	ISSN:2250-1770
K.Mahalakshmi A.Archana M.Maanisha	IV CSE	International Journal of Current Science – IJCS Publications	Credit card Fraud Detection using Random Forest Algorithm	ISSN:2250-1770
S.Tamilselvan G.Vignesh, V.Vignesh	IV CSE	International Journal of Current Science – IJCS Publications	Login Restrictions Using Face Age Estimation from Real Time Face Database	ISSN:2250-1770
V. Ashok D. Honest raj T. MuraliKrishnan	IV CSE	International Journal of Current Science – IJCS Publications	Rice Quality Analysis Using Deep Learning	ISSN:2250-1770

Name of the Student / Faculty	Year and Dept	Journal Name	Title of the patent/ article	Reference No.
A. Rajiv Kannan	IV CSE	Computer Systems Science & Engineering	Covid-19 Forecasting with Deep Learning-based Half-binomial Distribution Cat Swarm Optimization	CSSE, 2023, vol.44, no.1
R.Sowndaryalakshmi A.Sujitha	IV CSE	International Journal of Science & Engineering Development Research	Diabetic Retinopathy Detection using Deep Learning	ISSN:2455-2631
C.Pravesh C.Praveenkumar P.V.Sabarivelvasan	IV CSE	International Journal of Current Science – IJCS Publications	Face Mask Detection using Convolutional Neural Network	ISSN:2250-1770
M.Mohammed Ismail B.Chouthri M.Chandru	IV CSE	International Journal of Advanced Research in Computer and Communicarion Engineering	Automatic Detection of Coronovirus Disease using X-ray Image by Convolution Neural Networks Based on Python	ISSN(o)2278-1021
Dr.D.R.P.Rajarathnam, Prof., & Head Dr.R.T.Ajaykarthik, ASP R.Karthick, AP	мст	IJTSRD	Coal Mine Safety Monitoring and Alerting System using IOT Based	e-ISSN: 2456 – 6470
Dr.D.R.P.Rajarathnam, Prof., & Head Dr.R.T.Ajaykarthik, ASP R.Karthick, AP	мст	IJTSRD	Intelligent Water Leakage Controller using Raspberry Pl	e-ISSN: 2456 – 6470
M. Malarmohanraj M. Prakash S. Sivakumar S. Sanjay R. Tamil Kumaran, R. Sriram	IV MCT	IJTSRD	Coal Mine Safety Monitoring and Alerting System using IOT Based	e-ISSN: 2456 – 6470
N.Hemalatha, AP Dr.G.Madasamy Raja, ASP	IT	Patent	Skin Cancer Detection using Deep Learning	202211034826A
P.Raja, AP	PCT MECH	IJSERM	Optimization of Machining Parameter in Wire Cut Edm, Hchcrd3 Steel	ISSN: 2582-3930
R.Bharath, AP	PCT MECH	IJARESM	A Study on Workers Job Satisfaction in KKP Spinning Mills Pvt Ltd	ISSN: 2455-6211

English Corner

One word substitution

Meaning	Word
Once in a year	Annual
Once in two years	Biennial
Twice a year	Semiannual/ Biannual
Once in three years	Triennial
Once in four years	Quadrennial
Once in five years	Quinquennial
Once in six years	Sexennial
Once in seven years	Septennial
Once in eight years	Octennial
Once in ten years	Decennial
Once in fifteen years	Quindecennial
Once in twenty years	Vicennial/ Vigentennial
Once in hundred years	Centennial
Once in one fifty years	Sesquicentennial
Once in two hundred years	Bicentennial
Once in three hundred years	Tercentennial
Once in four hundred years	Quadricentennial
Once in five hundred years	Quinentennial
Once in six hundred years	Sexcentennial
Once in seven hundred years	Septicentennial
Once in eight hundred years	Octingentennial
Once in thousand years	Millennial

SENTENCE CONNECTIVES IN ENGLISH

As such, Maths is not a difficult subject. By the by, we should not forget to meet tomorrow. Of course, it is damn easy. I never ever hurt the feelings of others. By and large, Indians are known for smart work. Broadly speaking, English is a nice language. On the whole, one should realize the importance of education. To be brief, there is no substitute for hard work. Above all, we should love our country. I have no doubt, whatsoever. So to speak/say, all children are basically good. To sum up, we have to depend on science. She was ill, therefore she was hospitalized. They did not play well, however they won the match. Even though he started early, he could not catch the train. He murdered the old lady for money. Consequently be was are

He murdered the old lady for money. <u>Consequently</u> he was arrested and put into jail.

PAAVAI IN PRESS

