

PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH
Quarterly Report (January to March 2023)

Events Organized during the Quarter Period:

Thirai Raga Kadambam

Kadambari, a four-day Music festival, was organized by PSG & Sons' Charities from 5th to 8th January 2023 at PSG Institute of Medical Sciences and Research (IMSR) Auditorium, Coimbatore. This first day event titled "Thirai Raga Kadambam", a musical concert based on popular ragas in film music, featured performances of students from various PSG Institutions, viz. PSG iTech, PSG Polytechnic, PSG Tech, and PSG College of Arts and Science. Shri Ananth Vaidhyanathan, India's leading voice expert inaugurated the music festival. Shri.L.Gopalakrishnan, Managing Trustee, PSG & Sons' Charities, and Dr.J.S Bhuvaneshwaran, Director, PSG Super Specialty Hospitals accompanied the chief guest. Thirteen students from PSG iTech participated and performed in the event.

The members of PSG iTech music band include Mr J. Anto Nickson, Mr P. Harish, Mr Sanjay Palanisamy, Mr M. Akshay, Mr K.Sreehari Prasad, Ms C. Sherina Catherine, Mr R.Nithin Abhishek, and Mr G. R. Harishankar. The names of vocalists include Mr R. Adarsh Shiv, Ms K. Varsha, Mr J.T Vinay Shrivatsan, Mr C. K. Kiranmayi, and Mr A.Vennila.

Shri.Ananth Vaidhyanathan presented the Best Performer Awards to the students and Alumni of PSG Institutions in recognition of their performances and participation, in various shows conducted inside and outside the institution, for the categories of instrumental, vocals, and classical dance. Following students from PSG iTech received the Best Performer Awards from the Chief Guest: Mr K. Sreehari Prasad (Instrumental), IV BE Mechanical, Mr.R.Athul Krishna (Vocalist), IV BE ECE, Ms R. Prema (Classical Dance), IV BE CSE, and Mr V. L Yahswanth (Instrumental), an alumnus.



Ms R. Prema, IV BE (CSE), PSG iTech, receiving Best Performer Award (Classical Dance) from Shri. Ananth Vaidhyanathan during PSG Kadamabari 2023 held on 05th Jan 2023

Krishna Tarangini

Ms. Pavitra Nagaraj, I B.Tech (CS & BS), performed classical dance with the theme Krishna Tarangini during Kadambari 2023 on 07.01.2023. The program started with her Leela Tarangam Margam and other performances of the day include Abhang, Muralidhara Kavuthuam, Kaalinga Narthanam, etc.



Performance by Ms Pavitra Nagaraj, I B.Tech (CS & BS), PSG iTech

Pongal Celebrations – 2023

PSG Institute of Technology and Applied Research in association with Students' Union organized Pongal Celebrations on the college premises on 11th Jan 2023. Dr. G Chandramohan, Principal, presided over the event. Various events like Tamil Pattimandram, Uri Adithal, Kolla Potti, Kayiru Ezhuthal, Sakku Potti and cultural events like dance and songs were organized to celebrate the Pongal festival. Later, Pongal was prepared and distributed to all the members. Students, Members of Faculty, and Staff wore traditional attire and graced the occasion. Ms.Parimalam Ramasamy, Assistant Professor, PSG College of Arts and Science chaired the Patti Madram session. Dr. P Vetrivelan, Associate Professor and Head, Dept. of ECE, along with members of the Students' Union organized the event.



Dr G Chandramohan, Principal, Dr P Vetrivelan, Associate Professor and Head, Dept. of ECE, Mr Robinson, Physical Director, Mr Gajendran, Asst. Prof, Dept. of Maths, are in the picture along with Members of Students' Union during the Pongal Celebration held on 11th Jan 2023

Patriotic Day Run

The Department of Physical Education of PSG iTech organized the Patriotic Day Run event for the Students on 25th January 2023. Principal Dr. G. Chandramohan, PSG iTech delivered a motivational Speech and led the run along with the participants. Around 120 members participated in the event. The Patriotic Day Run was started near the College main gate and ended near PSG Institute of Architecture and Planning with refreshments.



Principal Dr. G. Chandramohan, PSG iTech and Dr. D. Thangaraju, Associate Professor, Department of Physics along with the Students participated in the Patriotic Day Run event on 25th January 2023

74th Republic Day celebrations

The 74th Republic Day was celebrated at PSG iTech on 26th January 2023 from 8 to 10:30 am at iTech Square. Air Commodore, N P Mathan served as the Chief Guest. Principal Dr.G.Chandramohan welcomed the gathering and the special address was given by the Chief Guest. The event started with Flag Hoisting and Parade by the NCC Cadets. Dr PV Mohanram, Secretary, delivered the Felicitation address. Later, the Chief Guest was honoured with a memento by the dignitaries. Lt Vilasini and Lt Gajendran organized the event.



Air Commodore, N P Mathan addressing the participants on 26th January 2023

AICTE Distinguished Chair Professor Lecture Series
Lecture 1 : Environmental Noise Control

AICTE Distinguished Chair Professor Lecture Series was held at PSG iTech from 30th Jan to 3rd Feb 2023, covering five lectures on Environmental Noise Control, Design of Quiter Machinery, Industrial Consultancy: Challenges and Opportunities, Challenge Yourself for Developing Self Confidence, and Towards Creative Thinking. Dr. Manoj Kumar P introduced the resource person Dr. M L Munjal to the participants in online and offline mode. Dr. Munjal started the talk by introducing the characteristics of sound wave. He also briefed about the various mathematical equations associated with the propagation of sound waves. Later, he spoke about the A, B, C weighting of the sound waves. Logarithmic addition, subtraction, and averaging of the sound waves and strategies for noise control were also discussed. Locations where microphones have to be placed for measuring the sound power level were explained with schematically.



Dr. G Chandramohan, Principal PSGiTech honoring Dr. Munjal with a memento

Dr. Munjal also shared information about the noise limits in India, ambient air quality in terms of noise, prevailing noise pollution rules in India, permissible noise exposure for industry workers etc. He also discussed the allowed noise limits for Diesel generation sets of different capacities, firecrackers, vehicles etc. During the presentation, Prof. Munjal shared his real-time experiences with the participants. The session ended with interesting questions and answers from the offline and online participants.



Dr. Munjal with the industry participants

Faculty Development Programme on “Fundamentals of Data Science and Analytics”

The Department of Mathematics and Computer Science & Engineering organized a five-day Faculty Development Programme on "Fundamentals of Data Science and Analytics" from 2nd to 6th January 2023. Twelve resource persons from both academia and industry addressed the participants during the FDP. Dr.Narayanan C Krishnan, Head, Department of Data Science, Indian Institute of Technology – Palakkad, inaugurated the FDP. In his inaugural address, he spoke about the recent advancements in artificial intelligence (AI) and its significant impact on a variety of fields, including agriculture, health care, transportation, and finance. He stated that one of the key factors contributing to the success of AI is its ability to learn from data. The advancement of sensing technology has made it possible to collect large amounts of data, which organizations can use to develop and deploy advanced intelligent human-computer interaction systems. Thirty Four participants from seventeen colleges and ten participants from PSG iTech, on a total of 44 participants attended the Faculty Development Program and got benefitted.



Dr.Narayanan (CK) C Krishnan, Head, Department of Data Science, Indian Institute of Technology during the inaugural address on 2nd Jan 2023

Dr.M.SenthilKumar, Professor, Department of Applied Mathematics and Computational Sciences, PSG College of Technology, Coimbatore facilitated the session on “Introduction to Data Science”& Hands on Training in “Data Analytics using R Programming”. Mr. C. Sivashanmugam, Head - Forecasting, Leap Green Energy Pvt. Ltd., Coimbatore delivered a talk on “Wind Power Forecasting using Data Analytics”. Dr. S. Jagatheswari, Assistant Professor (Senior), Department of Mathematics, Vellore Institute of Technology, Vellore, delivered a lecture on the topic “Descriptive Analytics” and gave hands on training on “R Programming”. Dr. V. Sujatha, Assistant Professor, Department of Mathematics, Vellore Institute of Technology, Vellore, delivered a lecture on the topic “Predictive Analytics”. Dr.J.Sekkizhar, Associate Professor, PSG Institute of Management, Coimbatore, spoke on the topic “Inferential Statistics” and gave hands on training on “Blue Sky Statistics”.

Dr.T.Palanisamy, Professor, Department of Mathematics, Amrita Vishwa Vidyapeetham, Coimbatore, delivered a lecture on the topic “Analysis of variance”. Dr.V.Bhuvaneshwari, Professor, Department of Computer Applications, Bharathiar University, Coimbatore, delivered a lecture on the topic “Data Science and Semantic Web”. Dr.R.Manimegalai, Professor & HoD, Department of Computer Science and Engineering, PSGiTech, Coimbatore, gave a speech on the topic “Recent trends in Data Science”. Dr.S.Lokesh, Associate Professor, Department of Computer Science and Engineering, PSG iTech provided hands on training in “Python – Data Analytics Laboratory”. Dr.P.Chinnaraj, Associate Professor, Department of Mathematics, PSG iTech, Coimbatore facilitated a session on “Management Games”. Mr.Manmathan, Senior General Manager - Operations, Leap Green Energy Pvt. Ltd., spoke on “Data Forecasting Tools and Techniques”. In the Valedictory Function, certificates were issued to the participants and feedbacks were collected.



Group photo with the Participants from various colleges on 6th January 2023

Guest lecture on “Research Challenges and Opportunities”

A guest lecture by Dr. C. Umarani, Professor & Director, Centre for Research, Anna University, Chennai was organized on 02nd Feb 2023 on the topic “Research Challenges and Opportunities” at Civil Seminar Hall. The importance of research and scientific publication was explained by Prof. C. Umarani. She shared her research experience which includes Structural analysis and design of major Grade Separators – Perambur fly over bridge, Strength and condition assessment of 300 m high RCC TV tower at Rameshwaram and many other major research and consultancy works.

Prof. C. Umarani explained the significance of consultancy work which should go on par with research activities. Members of the faculty interacted about the research facilities at PSGiTech and the Institute’s initiatives in bringing up the research culture. A total of 37 faculty members from PSGiTech and six research scholars participated in the interactive talk with Prof. C. Umarani.



Principal Dr. G. Chandramohan presenting a memento to the Guest Prof. C. Umarani on 2nd Feb 2023

Silambam Classes

PSG Institute of Technology and Applied Research in association with NCC organized “Silambam Classes” for the first-year NCC Cadets between 2nd February and 2nd March 2023, twice a week. Dr. G. Chandramohan, Principal, inaugurated the event and encouraged the students to work hard on achieving goals. The trainer started the class by teaching the basic steps of Silambam. There were about 20 students, who actively took part in the initial session and continued attending further classes held on Mondays and Thursdays in the successive weeks. Students began mastering the steps that were taught. The coaching was good and highly useful to the students.



Active participation by the students

Visit to IIT Palakkad

The students and faculty members of PSG iTech visited IIT Palakkad on 04th Feb 2023 for the Open Day conducted by the institute. It was open to everyone in which various workshops and events were conducted. The open house was conducted by IIT Palakkad to showcase its Research and Testing facilities. Various events and workshops were conducted. Students registered individually for the event of their choice. The faculty and students visited the “Central Instrumentation and Micro-Nano Fabrication Facilities”. This facility has various advanced equipments to aid researchers to do characterization study. A showcase of various additive manufacturing technologies took place. Plastic, as well as metal 3D printing techniques were explained. Additionally, techniques used to scan a live body with the help of a Camera and Lidar, which gives us a CAD model of the live body, were demonstrated. This CAD model can be used to recreate the same via 3D printing.

Several products were also showcased and their works were explained by the students. Non-technical events were conducted in a well-organized manner. The management skills and knowledge about organizing events were also gained by the visit.



Visit to IIT Palakkad on 04th Feb 2023

Inauguration of Research Centre for Waste Valorization

The Research Centre for Waste Valorization of the Civil Engineering Department of PSG Institute of Technology and Applied Research, Coimbatore, funded by Department of Science & Technology, Govt. of India was inaugurated by Padma Shri. Prof.G.D. Yadav, Emeritus Professor of Eminence, Institute of Chemical Technology, Mumbai and Chairman for DST’s National level expert committee constituted for Swaccha Bharath aligned Technology Development Program by Ministry of Science & Technology, Govt. of India, amidst the experts Dr.Krishna Kanth Pulicherla, Dr.Kurian Joseph, Prof.Akhilendra Bhushan Gupta, Dr. Chandra Shekar Sharma, Dr.Suneel Pandey, Dr. Sanjay Kumar, Shri Munduru Veera Chary and Dr Anita Agarwal on 09th Feb 2023. Principal Dr. G. Chandramohan welcomed the guests. The Head of the Civil Engineering Department Dr. M. I. Abdul Aleem who is also the Principal Investigator for two DST-WMT projects explained the facilities created for the projects on Waste Valorization. Dr. M. Alagar, Visiting Research Consultant for many projects at PSGiTech has explained the waste to wealth concept adopted in this research centre.



Inauguration of “Research Centre for Waste Valorization” held on 09th Feb 2023

iTech Expo 2023

PSG Institute of Technology and Applied Research hosted a two-day PSG iTech Expo 2023 during 10th & 11th February 2023. Mr. M Prathap IAS, Commissioner, Coimbatore Corporation inaugurated the Second Edition of the iTech Expo and Shri. L. Gopalakrishnan, Managing Trustee, presided over the event. Two Thousand Nine Hundred and Fifty Nine Students from various schools in Coimbatore participated in the day-one events to explore the academic courses offered, in-house projects done by students, state-of-the-art laboratories and other amenities available in the campus, workshops, seminars, interaction with faculty and life at PSG iTech. Besides, several events like quizzes and games were also conducted.

During the welcome address, Dr G Chandramohan, Principal spoke about the importance of organizing iTech Expo and desired outcomes. In addition, he stated that students, who aspire to become engineers, must identify the problems prevailing in the society and find practical solutions by applying suitable technologies and engineering solutions acquired through curricular and extra-curricular activities. At the same time, he underscored the need for developing various skills like problem-solving, creative thinking and so on to handle critical situations that arise in the society. Also, he appreciated all the students and teachers for their active participation.

Speaking on the occasion, Dr P.V. Mohanram, Secretary, PSG iTech, mentioned that education at PSG is not loading of information but offering hand-on training on the concepts and ideas. He appealed to all the students to discover their passion and emphasized that students should be street smart, possess the ability to apply common sense, and think about the ways they can contribute to society. Later, Dr N Divyah, Assistant Professor, Dept. of Civil Engineering, and one of the organizers of the event introduced the chief guest to the audience.

Mr. M Prathap IAS, in his Chief Guest Address, outlined the evolution of industrial revolutions and stressed the transformative power of technologies like Internet of Things (IoT). He highlighted the importance and impact of studying in a good college with state-of-the-art infrastructure facilities. Also, he explicated the benefits of hard work and smart work. Importantly, the chief guest asked the students to improve the sound communication skills to express their ideas without any struggle. In addition, he encouraged the students to develop collaborative skills to emerge successful in their professional life. Apart from these, students were informed about the importance of gaining practical knowledge over theoretical knowledge and why companies expect the candidates to be job-ready.

Further, he invited the college management to work hand-in-hand with corporation to find a solution for waste management, which is one of the challenging issues in India. Finally, he requested all the students to utilize their stay at PSG iTech and understand how they need to prepare themselves for collegiate education and emerge as good citizens for the country. Later, schools that have made highest registrations were honored with certificates, arduino boards, Cisco course certification coupons, 3-D Printed logo of the college, and paperweight made of foundry waste. Finally, Dr M I Abdul Aleem, proposed the vote of thanks. Later, the participants were provided light refreshments organized near the PSG IAP Block and were directed to different blocks to witness the lab facilities, demonstrations, seminars, and various games.

Summary of Registration:

	10th Feb 2023	11th Feb 2023	Total
No.of students participated	1323	1524	2847
No.of Guests	26	86	112
Total	1349	1610	2959

(From more than 50 schools)



Principal and Secretary presenting Memento to the Chief Guest Mr.M.Prathap I.A.S on 10th Feb 2023



Mr.M.Prathap presenting Arduino boards and certificate to PSGG Kanya Gurukulam School

Visit to Simulation Laboratory, PSGIMSR

The Wellness Centre has organized a laboratory visit for second year girl students to Simulation Laboratory, PSG Institute of Medical Sciences and Research on 15th Feb 2023, Wednesday (AN) and 17th Feb 2023, Thursday (AN). Dr.P.A.Kumar, Clinical Advisor, Simulation Laboratory and Dr.Rekha, Gynaecologist, PSG IMSR has demonstrated the session. 53 girl students, and two faculty members Ms.M.Sowmiya, AP (Sr.Gr) / ECE department and Ms.S.Puvaneswari, Student Counsellor, Wellness Centre have attended the laboratory visit. The session started by Dr.Rekha, highlighting the importance of menstrual health and hygiene. She explained about importance of cervical cancer screening and self-breast examination for women and talked about very common diseases like PCOS and PCODS (menstrual dysfunction) for females. She advised students to take immediate action to stay healthy in the future.



Dr.Rekha demonstrating the gynaecology procedures and safety measures to the students

Lecture on “My journey with Dr GRD”

The Staff club of PSG Institute of Technology and Applied Research organized the Celebration of Dr.G.R.Damodaran birthday on 20.02.2023. Dr. G. Chandramohan, Principal, welcomed the gathering. The chief guest Mr.V.Ramachandiran, Professor - Retired, PSG College of Technology delivered the lecture on “My journey with Dr GRD”. He stated the good practices of Dr.G.R.Damodaran such as punctuality, dedication towards teaching and research and shared his various memorable moments with him. In the felicitation address, Dr PV Mohanram, Secretary, shared his remarkable memories with Dr.G.R.Damodaran and shared his special interest for sports and other administrative activities. Finally, Mr.M.Jothibasur, Staff Club Coordinator, proposed the vote of thanks.



Mr.V.Ramachandiran, Professor - Retired, PSG College of Technology during his lecture on 20th Feb 2023

PSG Staff Day 2023

To commemorate the birth anniversary of our beloved founder Dr. G.R. Damodaran, faculty and staff members of PSG Institutions celebrated the PSG Staff Day 2023. Sixteen competitions including the two new competitions Stand-up comedy and Short film were conducted for the cultural events of Staff day 2023. The Akash zone comprised of three institutions PSG iTech, PSG IAP and PSG Foundry and its cultural events were commenced with a Tamil Extempore preliminary event. The preliminary events were conducted for Solo Singing, Dumb Charades, Vaarthai Vilayattu, Cine Quiz and Standup comedy events and winners of the preliminary round were allowed to participate in the inter-zonal finals. There were 90 participants from Akash zone, who competed in the cultural extravaganza. Principal Dr. G. Chandramohan congratulated the winners of cultural events and appreciated the cultural coordinators of Akash zone Dr.S.Aramuthakannan, Dr.T.Sagithya and Ar.P.Hemambiga for winning the award of “Best Organizing Zone” in the PSG Staff Day 2023.



Dr G Chandramohan, Principal appreciating the winners and the coordinator of Akash Zone

e-Yantra Ideas Competition Regional Conference 2023

The Department of EEE, in collaboration with IIT (Mumbai), organized an e-Yantra Ideas Competition (e-YIC) Regional Conference during March 2nd and 3rd, 2023. A technical team from e-Yantra, IIT- Mumbai visited our campus and co-organized the event. Dr. G. Chandramohan, Principal, PSG Institute of Technology and Applied Research, Coimbatore welcomed the gathering and appreciated the efforts of all the teams to reach e-YIC regional finals. Dr. C. L. Vasu, Professor & HoD, Department of EEE, PSG iTech thanked the e-Yantra Team, IIT-Mumbai for choosing PSG iTech to host the e-YIC Regional Conference. Prof. Kavi Arya, Principal Investigator, e-Yantra Project was the Chief Guest for the two-day event. Twenty six teams from the southern region submitted their proposals. Eight expert panel members evaluated these-YIC projects. Prof. Kavi Arya, e-Yantra Principal Investigator of IIT- Mumbai, thanked the event coordinators Dr. M. Sathiyathan, Associate Professor-EEE and Mr. Ravikrishna S, Assistant Professor (Selection Grade)-EEE, Student coordinators for the contribution in organizing the event.



Prof. Kavi Arya, Principal Investigator, e-Yantra Project addressing the participants

Anna University Nov/ Dec 2022 Semester Examination

Anna University Nov/Dec 2022 semester examinations for II, III & IV year students were conducted in offline mode. The results for the same were declared by Anna University on 14.03.2023. Out of 936 students who appeared, 733 students have passed. The Overall pass percentage of PSGiTech is 78.30%. Before revaluation the highest CGPA of 9.71 was obtained by Ms. Rebekka B of II B.E.Civil Engineering. The prize distribution for class toppers was held on 23.03.2023.



Dr. M I Abdul Aleem, HoD, Civil Engg. distributing the prize to the class topper

TANCET 2023 Examination

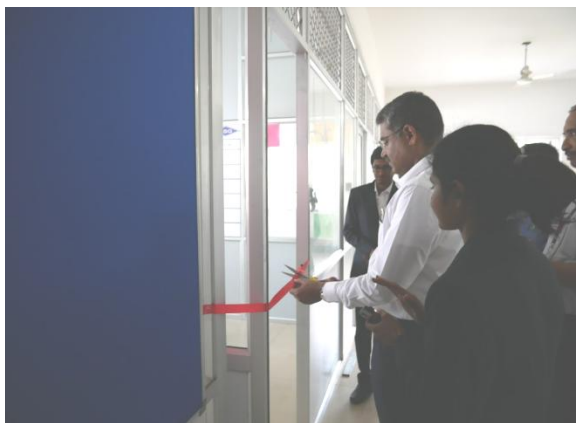
Anna University TANCET 2023 examination was conducted at PSG iTech on 25th March 2023. 600 candidates have registered for the examination. The Local Coordinator of TANCET 2023 was Dr. Manomani, Principal, GCT, Coimbatore. Over all Coordinator of TANCET 2023 Dr Nirmal Kumar, Professor, Dept. of ECE, Anna University visited PSG iTech and appreciated the arrangements.



Conduct of TANCET 2023 Examination at PSG iTech on 25th March 2023

Yukta: 2023

Yukta: 2023, a national level technical symposium was conducted at PSG Institute of Technology and Applied Research on March 20th and 21st 2023. The event sought to bring students together and engage in various activities in order to foster a feeling of community on campus. The Programme included a range of activities tailored to the students' interests and abilities. Technical events and workshops were held by each department. These programmes addressed a wide range of technical topics and assisted students in gaining practical knowledge in their respective disciplines. The workshops allowed students to learn about the most recent trends and innovations in their disciplines. The total registration for Yukta: 2023 was 2532 and students from various colleges attended these events, providing it an excellent opportunity for networking and cooperation. The cultural event was inaugurated by Mr. Ramachandran, Chief Operating Officer, Propel Industries. The initiation started with the official opening of the Students' Union office, followed by the launch of Yukta: 2023 the techno-cultural fest. The departments then rolled down their flags to show their support for the occasion.



Students' Union Office Inauguration by Chief Guest Mr. Ramachandran, Propel Industries

In addition to the technical contests, the festival included cultural performances by the students. At 5:30 p.m., the cultural performances began following the prayer hymn. The prayer song contributed to the event's spiritual ambiance and set the tone for the cultural events that followed. The iTech music band and dance crew wowed the crowd with their thrilling performances. The cultural performances also featured music, dance, and skits. The event was arranged by the students' union with the assistance of student volunteers. The organizers did an outstanding job of ensuring that the event went smoothly and professionally. The forenoon and afternoon session of Yukta: had technical sessions, in which students conducted various workshops based on latest technologies.

Various clubs conducted the non-technical events to show-case the talent of the participants. The event space was wide and well equipped and the organizers offered appropriate facilities for the numerous events. The second day of the Yukta: 2023 event on March 21st featured workshops and a musical concert in the evening. The morning session was exclusively devoted to workshops, giving attendees the chance to pick the brains on a broad range of topics. The workshops covered a wide range of topics. Attendees were able to choose the workshops that best suited their interests and needs, and the sessions were well received by all.



Pro Show Event by Aditya R K, Vrusha Balu and Music Band on March 21st at Courtyard

After the workshops, everyone witnessed a lively musical concert featuring Mr. Aditya RK and Ms. Vrusha Balu. The concert was held in the evening and attracted a large audience, who were eager to listen from the talented performers. Mr. Aditya RK kicked up the concert with a heartfelt performance of a few of his well-known songs, which caused the crowd to move to the beat. The evening's high point was the band's amazing guitar playing and passionate singing. Then Ms. Vrusha Balu hit the stage, captivating everyone with her melodic voice and energetic skills. The melody of the music team had the audience applauding and clapping, marked the concert's triumphant conclusion.



Yukta: 2023 - PSG Institute of Technology and Applied Research Core Team

Talk on “Careers in Engineering Stream and Job Opportunities in Australia”

Mr Blair Slater addressed the students and faculty on 09th Feb 2023 on the topic “Careers in Engineering Stream and Job Opportunities in Australia. Blair Slater emphasized that engineering is always in demand and it is progressive. He said that AI is the key and cyber security and 3D printing are revolutionizing and speeding the manufacturing process. He also added that renewable energy potential is huge in India. Internet of Things and augmented reality are changing the way of working as engineers. He also said that there are lots of opportunities in aerospace engineering. Finally, he concluded by saying that IT is very strong in Australia and to be employable business skills and acumen is necessary. He said that the key takeaway is students cannot go wrong in any engineering area. Principal, Dr G. Chandramohan honored Mr Blair Slater by presenting a memento, along with Dr K Pramila, Faculty in Charge, Higher Education Forum.



A section of the students attending the lecture by Mr Blair Slater on 09th Feb 2023

Ninth Governing Council Meeting

The Ninth Governing Council Meeting was held on 23rd February 2023 at Board Room from 10.30 am to 1.00 pm. The following data pertaining to the academic year 2022-2023 were presented and approval sought beside the appropriate items.

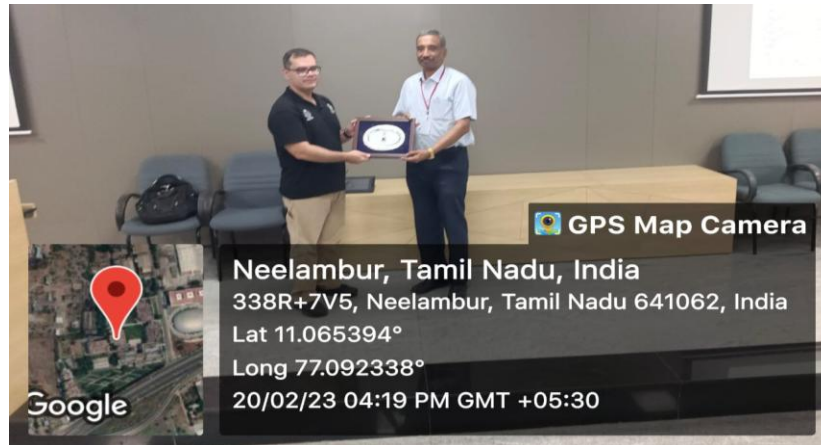
- Action Taken Report on academic and other activities of the 8th GCmeeting
- Faculty Accomplishments
- Summary of University Results
- Students' Achievements
- Placement Statistics & Training
- Accreditation/Ranking Status
- New Programmes Planned
- Students Feedback on General Facilities
- Budget for the year 2023–24
- New Principal Recruitment
- Any other matter



Ninth Governing Council Meeting held on 23rd February 2023

Guest Lecture on “Dynamic Mechanical Behavior of Materials”

The invited lecture on the topic “Dynamic Mechanical Behavior of Materials” was held on 20th Feb 2023. Dr Juan Pablo Escobedo-Diaz, Senior Lecturer, UNSW Canberra, Australia was the chief guest. It begun with the prayer song followed by the welcome address and introduction to chief guest by Mr Kabinesh, Secretary, MEA. The speaker started the session with his self-introduction and his research works. Dynamic mechanical analysis is a technique used to study and characterize materials. It is the most useful one for studying the visco-elastic behaviour of polymers. Dynamic mechanical analysis (DMA) is widely used in research on materials such as polymers and metals, but applications of DMA on natural fiber composites have not been fully investigated. Understanding the response of solids to dynamic stimulus is important in different fields such as paint industry, adhesive development, plastic hip joints and dental fillings, contact lenses, heart valves, mechanical dampers, airbags, etc., to name a few, where the frequency-dependent modulus variations is an important measure. The session ended with the vote of tanks from Ms Nithya, II year Mechanical Engineering student.



Dr. G Chandramohan, Principal, PSG iTech presenting the memento to Dr Juan Pablo Escobedo-Diaz, Senior Lecturer, UNSW Canberra, Australia on 20.02.23

Lecture on “Metallurgical Failure Analysis”

The invited lecture on the topic “Metallurgical Failure Analysis” was held on 2nd March 2023. The Guest of Honor was Dr Chinnia Subramanian, Principal Consultant, EnMat Solutions Inc., Edmonton, Canada. The event begun with the welcome address and the chief guest was introduced by Mr Gowtham, Executive member, MEA. Dr G Chandramohan, Principal, PSG iTech welcomed the chief guest and shared his experience with the chief guest at PSG Tech. The speaker started the session with his self-introduction and his current consulting works. He stated that metallurgical failure analysis is the process to determine the mechanism that has caused a metal component to fail. It can identify the cause of failure, providing insight into the root cause and potential solutions to prevent similar failures in the future, as well as culpability, which is important in legal cases. He added that resolving the source of metallurgical failures can be of financial interest to companies and metal components are designed to withstand the environment and stressed that they will be subjected to.

The design of a metal component involves not only a specific elemental composition but also specific manufacturing process such as heat treatments, machining processes, etc. The session ended with Question and answer session with students and faculty followed by presentation of memento to chief guest by the Principal.



Dr Chinnia Subramanian, Principal Consultant, EnMat Solutions Inc., Edmonton, Canada presenting on the topic “Metallurgical Failure Analysis” for I, II, III Year Mechanical Engineering students on 02.03.23.

Talk on “Adhesive Technology and its Usage in Real Time Applications”

The invited lecture on the topic “Adhesive Technology and its Usage in Real Time Applications” was held on 16th March 2023. It begun with the welcome address and introduction to chief guest by Dr S Nanthakumar, AP, Mech, PSGiTech. Mr Arunkumar, Sales Head- Coimbatore division, Henkel Adhesives Technologies, Navi Mumbai, Maharastra was the guest. The speaker started the session with his self-introduction and about the company “Henkel Adhesives Technologies”. He said that adhesive, any substance that is capable of holding materials together in a functional manner by surface attachment that resists separation. The main areas using industrial adhesives in construction are: floor tile and continuous flooring installation, ceramic tile installation, countertop lamination, manufacture of prefabricated beams and trusses, carpet adhesives, flooring underlayment adhesives, and installation of prefinished panels. The lecture ended with the vote of thanks from Mr Kabinesh, MEA Secretary, PSG iTech.



Mr Arunkumar, Sales Head- Coimbatore division, Henkel Adhesives Technologies, Navi Mumbai, Maharastra presenting on the topic “Adhesive Technology and its usage in real time Applications” for II, III Year Mechanical Engineering students on 16.03.23.

International Rover Challenge 2023

The International Rover challenge is an annual competition conducted by the Robotics Society. The competition is about making a Rover which is capable of traversing in challenging terrains, Autonomous functioning, performing delicate task, collecting soil sample, testing soil sample for life and other properties etc. The event was conducted in Presidency University, Bengaluru between 28th Jan 2023 and 31st Jan 2023. About 18 teams were selected for the final competition out of 36 teams which applied for the event, the 18 teams included the teams from Poland, Bangladesh, Sri Lanka and India. The prominent teams from India are IIT Chennai, VIT, SRM, BITS Pilani etc. PSG iTech made its second attempt in the Rover competition and competed well with the Senior teams. At the end of the event, PSG iTech stood 15th position in the IRC 2023.



The PSG iTech team that made it to the IRC 2023 event

National Science Day Celebration

The Science And Humanities Association (SHA) celebrated the National Science Day-2023 on 1st March, 2023 in Civil seminar hall between 4.30 pm to 5.30 pm). Prof. Dr. S. Jayakumar, Professor and Former Head of Physics Department of PSG iTech was the Chief guest of the day. Around 100 first year students and 20 faculty members attended the session. Ms K. Varshaa from I year AI&DS started the celebration with Tamizh Thaa Vaazhthu. Student Coordinator of SHA, E. Aditya Perumal of II year EEE, welcomed the gathering. Dr.G.Chandramohan, Principal, PSG iTech, delivered presidential address and insisted the students to involve in agricultural activities besides their profession. Student Advisor of SHA, Mr J. Yuvanesh of III year CSE delivered a speech on the Discovery of Penicillin.

Dr.S.Jayakumar delivered his speech to the students about how to solve the problems created by us and find sustainable development solutions leading to Global wellbeing. He also delivered various interesting facts about termites, bats, lobsters, lotus leaves and much more. These facts were new to everyone and were fascinating. The lecture was well received by the audience.



SHA members and Science and Humanities Faculty with Chief Guest

International Women’s Day Celebrations

PSG Institute of Technology and Applied Research (PSG iTech), in association with the Women Empowerment Cell (WEC), organized a special lecture on the occasion of International Women’s Day on 14.3.2022 (Tuesday). Dr.R.Manimegalai, Professor and Head, Dept. of CSE and Chairperson of the Women Empowerment Cell, welcomed the gathering. Dr Dhivya Pratheepa, Ophthalmologist and Shero Coach, Chennai addressed the audience on the topic “Goal Settings”. She shared her successful journey in the field of medicine, the journey of becoming a writer and the importance of mental health for students and faculty members. Various challenges encountered and the ways to handle challenging situations were shared with the audience. Prizes were distributed to the winners of various events like cooking, drawing and painting, speech and poetry contest were organized in connection with women’s day celebration by various clubs. Students delivered brilliant speeches, and recited poems. PSGiTech band rendered beautiful medleys praising Womanhood. Dance club students gave a spellbound and vibrant performance. Ms.R.Susithra, Assistant Professor, Dept. of ECE, member of WEC, proposed the vote of thanks.



Women’s day celebration on 14th March 2023

SAP Labs Visit

The PSG team lead by Dr Manimegalai visited SAP Labs - Bangalore, to discuss feasible projects on 09th Jan 2023. The Team includes Ms Vilasini, Dr Priya, Dr Lokesh and Mr Aravindhraj, as a part of this workshop. During the workshop, Mr. Bharath introduced SAP ERP and its related technology. There were about 4 projects and they were considered to be important for SAP Labs. The intention of the workshop is to use the output of this engagement as a productive application, for SAP. As a start, the team would be working on one of the projects "Badge Management", which would help SAP Academy of Engg.



Discussion with the SAP Team at SAP Labs Bangalore on 09th Jan 2023

Visit to ELGI Industry

The members of faculty from the Department of Computer Science and Engineering, Department of Electronics and Communication Engineering and Department of Electrical and Electronics Engineering, PSG Institute of Technology and Applied Research, Coimbatore visited ELGi Equipments Limited on 25th January, 2023. The main objective of this visit is to discuss the Industry collaboration for the Government Funding Projects, Consultancy Projects and Internship training for students. In this visit, Dr.Manimegalai, Professor and Head, Dept. of CSE, Dr.M.Senthilkumar, Assistant Professor, Dept. of EEE, Ms.A.K.Kowsalyadevi, Assistant Professor, Dept. of ECE, Ms.K.Archana, Assistant Professor, Dept. of ECE, Dr.V.C.Mahavishnu, Assistant Professor, Dept. of CSE, Mr.C.P.Shabariram, Assistant Professor, Dept of CSE and Dr.B.Gomathi, Associate Professor, Dept. of CSE had a discussion with Dr.B.Somasundaram, Head Digital Transformation, ELGi Equipments Ltd, Singanallur, Coimbatore for the above mentioned purpose.

Dr.B.Somasundaram elaborated about the functionality and services provided by various ELGi units such as Automated Technology Solution, ELGi Equipments Ltd., and ELGi Ultra Limited. MongoDB Atlas is deployed on Microsoft Azure to provide Data Integrity and Data Authentication for the data generated from their equipments. Based on the data stored in Azure platform, Data analytics is performed to monitor the health of the equipments using PTC Thinkworx platform.

During the discussion, Dr.B.Somasundaram accepted to provide two industrial projects, namely, 3D Model in Learning Management System and Image Analytics for Industry Equipments. In 3D Model project, 3D Model is created using Blender software and then it will be uploaded in web application. For Image Analytics project, it is asked to conduct Image Analytics Hackathon among students at the initial stage. Later, projects can be assigned to students based on their performance in Hackathon.



Visit to ELGi Equipments Limited on 25th January 2023

Faculty Development Program on Data Analytics using KNIME Tool

The Department of Computer Science and Engineering in association with PSG Center for Academic Research and Excellence organized a Faculty Development Program on “Data Analytics using KNIME Tool” scheduled on 11.02.2023. Dr G Chandramohan, Principal, PSGiTech welcomed the resource person Dr B Somasundaram, Head Digital Transformation, ELGi Equipment Ltd. Dr R Manimegalai, Head of CSE, PSGiTech introduced the resource person and welcomed the gathering. She emphasized the importance of conducting a Faculty Development Program on Data Analytics using KNIME Tool.

The FDP was coordinated by Dr.B.Gomathi and Dr.S.Lokesh, ASPs, Dept. of CSE. The FDP was attended by 27 faculty members from various colleges in Tamil Nadu. The resource person Dr B Somasundaram enlightened the audience with KNIME Analytics Package that offers a complete platform for end to end data science, from creating analytic models to deploying them and sharing insights within the organization through data apps and services KNIME Analytics Platform, which is an open source software that allows users to access, blend, analyze, and visualize data, without any coding. The KNIME suite includes two tools: KNIME Analytics Platform is a desktop-based tool where analysts and developers construct workflows. Dr.B.Gomathi, coordinator of the FDP proposed vote of thanks. She extended her heartfelt thanks to resource person and faculty members who participated and helped in making this FDP great success.



Faculty Development Program on “Data Analytics using KNIME Tool” scheduled on 11th Feb 2023

NSS Special Camp 2022-2023

Under the motto of “Not Me But You”, the NSS volunteers of PSG Institute of Technology and Applied Research conducted a seven-day Special Camp at Muthugoundanpudhur village in order to serve the people of both Kurumbapalayam and Anna Nagar villages during 15th – 21st Feb 2023 under the guidance of NSS Programme Officers, Dr P Chinnaraj, Associate Professor, Dept. of Maths, Dr D Thangaraju, Associate Professor, Dept. of Physics, and Dr S Sridevi, Asst. Professor, Dept. of CSE. Ninety Seven active volunteers participated in this Special Camp with great enthusiasm and worked diligently. The volunteers stayed in the Shri Yogeshwari Valibattu Mandapam and carried out the services. The theme for the Special camp was “Youth for Clean India”.

On the first day, the NSS volunteers were separated into seven teams and worked accordingly. Some volunteers cleaned the hall and stage and some cleaned the outdoors of the Mandapam. The stage was decorated colourfully and charts with positive quotes done by the volunteers were pasted in the windows to be read by all. At 11 am, the Inaugural function started, where Dr. P. Chinnaraj delivered the Welcome address. Dr. G. Chandramohan, Principal, PSG Institute of Technology and Applied Research, presided over the inaugural function and congratulated and motivated them to do more services through NSS. Later, Dr.D.Thangaraju formally concluded the inaugural function with a Vote of Thanks.

In the afternoon session of Day 2, Dr. M. Devasena, Associate Professor, Department of Civil Engineering, explained the importance of medicinal plants. Third day started with yoga at 5:30 am. During the forenoon, School play ground was cleaned and the water tank in Anna Nagar was whitewashed. In the evening, Dr.B.Aadhavan, Department of Electronics and Electrical Engineering, shared his insights on "Financial Management". Later, Dr.R.S.Sankarasubramaniyan, Professor, Department of Mathematics, spoke on "Path to Victory". Fourth day started with yoga at 5:30 am in the morning. Students started their day with brisk energy by doing yoga in the morning.



Kurumbapalayam Government High School walls being painted by the volunteers on 18th Feb 2023

Followed up by this, Mr.A.Robinson, Physical Director inaugurated the sports competitions. He gave a brief speech about “Self Confidence”. Later, management games were conducted for the volunteers. In the evening, a debate was conducted by Dr. S. Aramuthakannan. Day five started with field work at 7:30 am in the morning. Students were separated into two groups, part of them did their field work and part of them went for painting. Followed by which, a free medical camp was organized for the welfare of the people in the village. In the evening, Dr.S.Maruthamuthu, Department of Physics, shared his insights about "Responsibilities in the Society" and Dr.R.Thiyagarajan, PSG Institute of Management, spoke on "Employment opportunities for the Youth".



NSS Programme Officers felicitating Dr.R.Thiyagarajan, PSG Institute of Management

During the sixth day of the camp, the day kicked off with a yoga session in the morning which made everyone feel energetic. In the morning, the boys went to clean ‘Sri Siddhi Vinayaka Temple’ at Mudalipalayam. Some of the volunteers engaged in cleaning the government elementary school and watered the plants. As a part of everyday routine, the day started with the morning yoga which helped them to stay involved and positive throughout. Dr.P.V.Mohanram, Secretary, PSG iTech, presided over the Valedictory function which was held at 4 p.m. He enlightened the volunteers with his words of wisdom, where he stressed selflessness, importance of service, thankfulness and getting off strong preferences. He awarded the team leaders with trophies. At 5 pm, a short feedback was shared by Dr.P.Chinnaraj, Dr.D.Thangaraju and Dr.S.Sridevi; the overall experience of the camp was pointed out. The learning outcomes were also put forward to motivate the students to do more services in the future.

At 5:00 pm a short feedback was shared by Dr.P.Chinnaraj, Dr.D.Thangaraju and Dr.S.Sridevi, the overall experience of the camp was pointed out. The learning outcomes were also put forward which motivated us to do more services. At 6:00 pm a rally was planned from our place to college. “Ban plastic, Plant trees and Save environment” was the main focus. Everyone participated in the rally enthusiastically and the end of the rally marked the end of their camp too.

Guest Lecture on Functional Design of Sewage Treatment Plants

A Guest Lecture on “Functional Design of Sewage Treatment Plants” was held on 23rd Feb 2023. Ms Meera Mahalakshmi R, III year B.E.Student, initiated the session with her delightful prayer song. Dr.M.I.Abdul Aleem, Professor and Head, Department of Civil, delivered the welcome address. Chief Guest Dr.Amal Raj explained that the composition of municipal wastewater varies from place to place. He stated that sometimes industrial wastes also mix with sewage and the type of treatment of wastewater thus depends upon its characteristics and the desired quality of water after treatment. He added that the purpose of wastewater treatment is to remove organic and inorganic substances, nutrients, toxic substances etc. Various strategies and technologies that can be used to efficiently manage wastewater were discussed. He emphasized that effective wastewater management helps us to save water for future generations and to reduce the environmental risks. Dr.M.I.Abdul Aleem, Head of the Department, honored the chief guest with a memento.



Dr.M.I.Abdul Aleem, HoD/Civil presenting memento to the Chief Guest

Guest lecture on “Career opportunities for Civil Engineering Graduands”

The Association of Civil Engineering organized a Guest lecture on “Career opportunities for Civil Engineering Graduands” on 22 Feb 2023. Dr. T. Sakthivel, Assistant Professor, Department of Civil Engineering, welcomed the chief guest and listed some of his significant achievements. The chief guest Prof. Radhakrishna G.Pillai, Professor, IIT Madras and RILEM South Asia Regional Convener, explained about the metro rail projects, highway projects, interlinking of river projects, seaport projects, airport projects, and mass housing projects. He also illustrated about RMC, precast construction and trenchless technology. He encouraged the students with his favorite quote, "Failing to plan is planning to fail". He interacted with the students and clarified their doubts. He concluded the session with a summary and a quote "Where there is a will, there is a way".



Dr.M.I.Abdul Aleem, HoD/Civil presenting memento to the Chief Guest

Guest Lecture on “Professional Engineering Attribute, Collaboration and Student Exchange”

The Association of Civil Engineering organized the Guest Lecture on “Professional Engineering Attribute, Collaboration, and Student Exchange” was held on 28th February 2023. Ms R. Meeramahalakshmi, III year of Civil Engineering Department began the ceremony with the prayer song. Ms M. Sharshini, Third year of Civil Engineering delivered the welcome address. Ms.M.H.Nisha, Third year of Civil Engineering department, introduced the chief guest. The Chief Guest Prof.Ir.U.Johnson Alengaram explained about the professional engineering attributes and he encouraged the students to do research-based projects. He spoke about his project which is based on sustainable development and shared some of his achievements in various projects and researches, which motivated the students to think about new project ideas. Also, he emphasized on the importance of documentation of project works. Dr. M.I. Abdul Aleem, Head of the Civil Engineering department, presented the memento to the chief guest. Ms Samitha R, Student of Second Year Civil Engineering, proposed the vote of thanks.



Ms.M.H.Nisha, Third year of Civil Engineering during the introduction of guest

2nd International Conference on “Next Generation Computing System”

The Dept of CSE of PSG iTech in association with Colorado State University, USA inaugurated the Second International Conference on Next Generation Computing System (ICNGCS - 2023) on 17 March 2023. Springer, Kaar Technologies, Computer Society of India and ICT Academy were the technical and event partners for this conference. Dr. Shivananda R Koteswar, EDA Group Site Leader and R&D Head, Synopsys India Private Limited, Bengaluru inaugurated the conference. Keynote speakers include Dr. Indrakshi and Dr. Indrajit from Colorado State University, USA. Dr. R Manimegalai, Prof and Head, Dept. of CSE, welcomed the gathering. Dr. G Chandramohan, Principal, PSG iTech, delivered the presidential address and appreciated the Department of CSE for organizing the International Conference successfully. He emphasized that students should involve themselves in design thinking exercises in whatever they do. He encouraged the students to publish papers in conferences. He explained about EAST which is Emphasize-Analyze-Solve-Test.

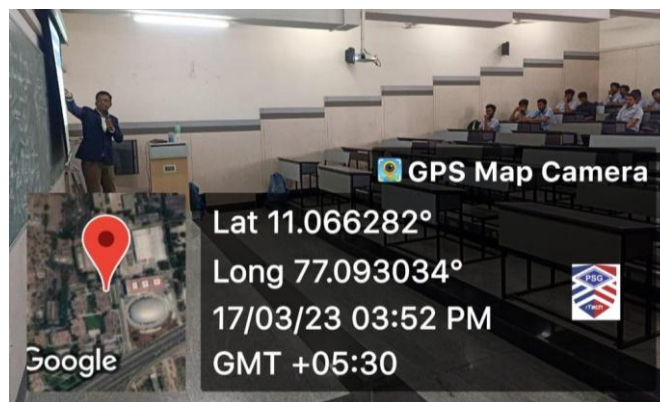
The conference report was presented by Dr D Sivaganesan, Professor of CSE, PSGiTech one of the Organizing Secretaries of the Conference. More than 200 papers were received and 116 papers were accepted for presentation. Among the 90 registered papers, 87 were presented during the conference on 17th and 18th March 2023 in 10 parallel technical sessions. The presented papers would be published as an Edited Book in Communications in Computer and Information Science (CCIS) by Springer. A Pre-Conference Workshop on “IoT based System Design” by the Resource Person Dr. Anantha Narayanan V, Mathiimigal Tech Private Limited, Bangalore was conducted on 16 March 2023. Sixty participants benefitted through the event. On 17.03.2023, the Chief Guest Dr. Shivananda delivered the keynote address on “Semiconductor Landscape in India”. Dr. Indrakshi, Dr. Indrajith and Dr. Chandrasekar, Colorado State University, USA joined the inauguration function through online mode and shared their thoughts on the theme of the conference which is Intelligent Communication. Dr. I Kala, Associate Professor, Dept. of CSE, PSGiTech, one of the Organizing Secretaries, proposed the formal vote of thanks. The Valedictory function was held on 18 March 2023 and the Best papers were announced for 10 technical sessions. The best paper awards and certificates were distributed to the participants.



Release of the International Conference on Next Generation Computing Systems (ICNGCS) 2023 proceedings on 17.03.2023

Opportunities after Engineering through GATE/ESE/PSU

The Dept of ECE organised an event “Opportunities after Engineering through GATE/ESE/PSU” to provide a platform for the students to learn about the available job opportunities after engineering through GATE/ESE/PSU exams. This event was convened by Dr.P.Vetrivelan, HoD-ECE and was organized by faculty coordinators Dr.M.Jayasanthi, ASP-ECE and Mr.K.Paldurai, AP-ECE. Mr. Shankar, Sr. Faculty of ACE Engineering Academy, Hyderabad was the resource person who elucidated all the aspects of coaching available in their academy. The event gave the students a distinctive platform to know about the fruitful opportunities available by attending the competitive exams. He shed light upon the marking schemes, eligibility, quotas, stipends, and advantages of the exams. He explained the procedures to apply for foreign universities for higher studies with the help of exam marks. The entire event carried away the theme of making the students aware of the unknown benefits of taking up the above-mentioned competitive exams. Students gained knowledge and discovered how to achieve success in their careers through these exams. Around 25 students from Dept. of ECE benefitted from this lecture.



Mr. Shankar, Sr. Faculty of ACE Engineering Academy addressing the students

Guest lecture on “Learner Analytics of Student Programmers”

The ECE Association (ECA) organized a guest lecture for pre-final year students on 13 Feb 2023 on the topic “Learner Analytics of Student Programmers”. The speakers were Dr. Aidan McGowan, Director of Postgraduate Studies, School of Electronics, Electrical Engineering and Computer Science, Queen’s University, Belfast and Ms. Louise McElvanna, Student Recruitment and Events Officer, Faculty of Engineering and Physical Sciences, Queen’s University, Belfast. They were accompanied by Dr. George Joseph Alapatte, Professor, PSG Institute of Management, Coimbatore. The session started with a welcome address by Dr.P.Vetrivelan, Convenor, and HoD, Dept. of ECE. The first speaker Dr. Aidan Mc Gowan delivered an informative lecture on artificial intelligence and its importance in current and future scenario. Further, he spoke about how Artificial Intelligence and Machine learning plays a key role in industries in these days. He had an interactive session with the students. The next speaker Ms. Louise Mc Elvanna told about Queen’s University, Belfast and the various features of it. She also told the importance of doing higher studies in foreign universities.

Around 40 students got benefitted through the event. Dr.P.Vetrivelan, HoD, Dept. of ECE, presented the memento to the guests as a token of appreciation and gratitude. Dr.M.Jayasanthi ASP-ECE thanked the speakers, faculty members, and students for their interactive participation and coordination. Ms Sivaani Srinivasan Gurusami -Executive Member (ECA), Ms Nidhiyashree V K- Executive Member (ECA) and Ms Aiswarya P- Executive Member (ECA) were the students' coordinators of the event. Thirty-One students have benefitted from the lecture.



The chief guest while addressing the students

Guest Lecture on “VLSI Circuit Design and its Significance in 5G Era”

On March 28, 2023, the Department of Electronics and Communication Engineering organized a guest talk on "VLSI Circuit Design and its Importance in the 5G Era." Mr. Samuel Jigme Harrison, Semiconductor Professional (Senior Member - IEEE), Singapore, was the resource person. He began by providing an overview of the digital age and the role of VLSI design in the creation of smart cities. A brief history of semiconductors was provided, as well as its current uses of edge machine learning and human-machine interaction.

The rapid growth of VLSI in India, in addition to the government's numerous investments in this area, as well as the expanding opportunities in the thriving industry, were discussed. Following that, the VLSI design flow was described in detail. He concentrated primarily on floor planning, power planning, and clock tree analysis. Several examples were used to illustrate static time analysis. The entire design process was clearly described using industry examples. He concluded his presentation by discussing job responsibilities and higher education opportunities in the VLSI domain. A great deal of information was provided about the VLSI domain and its expanding possibilities. Fifty students participated and got benefitted from the session.



**Mr. Samuel Jigme Harrison, Semiconductor Professional (Senior Member - IEEE), Singapore
with student participants and Faculty Coordinators**

CATC – 5 (TN) Girls BN NCC and 6 TN (Med) Coy NCC

A Combined Annual Training Camp (CATC) was conducted at PSG College of Technology, Peelamedu, Coimbatore by 5 (TN) Girls BN NCC, in which 17 SWs and 18 SDs from PSG iTech took part. The camp was held from 17th to 24th Jan 2023. The selection for the Quarter Guards was held on the second day of the camp in which 2 SWs and 4 SDs were selected. SUO Nisha M H was appointed the Camp senior with Cdt. Nitya S accompanying her as the Unit Senior. The cadets had a routine starting at 6 AM in the morning. The cadets had a fixed schedule comprising of parade, sports, and theory sessions. In addition to those, special sessions like seminar on “Gender Sensitization” by Dr.Jagatheeshwaran Raj, ANO – PSG IMSR, “Fire Safety, and First Aid” by Fire Station officer- PSG Institutions and Kholna Jhodna were conducted. The Quarter Guards provided Guard of Honor to Adam’s Commander Biju N Q and Group Commander SivaRam.

The Quarter Guards was commanded by Cdt Aakarshna K. The cadets actively participated in the cultural events held at the camp which included mine, music, dance, and skit. Cdt. Aakarshna K won the first place in the extempore competition. A demo of aero modeling was conducted at the camp. The SD cadets of 6 TN Med Coy NCC took care of the overall infrastructure and facilities during the camp period. Overall, the cadets had a unique experience of interacting with military personnel and learned the art of comradeship and brotherhood. The camp ended with Bada Khanna.



The Quarter Guard contingent with drill instructors

Trekking Trip and Visit to Madras Regimental Centre

On March 18th 2023, the NCC cadets from PSG Institute of Applied Research and PSG Institute of Architecture and Planning visited the Madras Regimental Centre (MRC) in Wellington and trekked the hills of Udagamandalam (Ooty). The cadets were under the command of Lt. Vilasini and Lt. Gajendran, along with Army PI staff Mr Michael and Mr Aravind, who guided and looked after the group. The cadets were amazed by the beautiful natural scenery and picturesque views of the massive hills. At three-fourths of the way up, the bus was parked near a cliff, and the cadets took pictures of the beautiful valley. It took 40 minutes for the bus to climb to the top and reach Coonoor. There, they were greeted with the view of lush green tea estates and the magnificent architecture of the town. Officer Michael briefed them about the plan for the day, showed, and explained different sites and attractions as they travelled through the hill station.



Trekking Trip to Ooty

The group started at Aravankadu station, walked by the roadside for half a kilometer through a village, and were guided to a hiking trail. For a few hundred meters, they hiked through a forest with tall vertical trees before the trail narrowed down. The cadets carefully trod the trail, which squeezed between dense flora, which contained beautiful white and yellow wildflowers and thorny plants.

After a few hundred meters, the cadets reached the peak of the first hill and entered a tea estate, where they had a brief but informative interaction with a tea plantation worker, who explained the process of identifying and plucking tea leaves, the costs, and how to prepare green tea. The group hiked for a few kilometers through the tea estates, scaling two small hills while taking pictures of the serene views and enjoying the weather. They hiked a total distance of 8 kilometers, proving their tenacity and endurance.

The team travelled to Wellington to visit the MRC, where they first went to the Museum and learned about the history of the regiment and the cantonment, its influences, accomplishments, and the valour of the soldiers. Later, the cadets watched a short film that showed the excellence of the soldiers from MRC. Afterwards, the cadets could look around the museum and ask questions to the guiding officers. The cadets were then led to the Sri Nagesh Barracks, which is the largest closed barracks in Asia, and were explained the history of the buildings, important locations, and the meaning and importance of various structures and symbols. In the barracks, a brief but insightful lesson was given on how to accurately find the cardinal directions using stars and other geological and man-made structures, and more. Some important lessons were given on how to accurately find the key directions, using stars and other geological and man-made structures, and more.



Visit to Madras Regimental Centre

Mini Marathon:

The Department of Physical Education of PSG iTech organized Mini Marathon 2.5 km and 3 km run event for the faculty, staff and students on 29th March 2023. Mrs. R. Vaishnavi, Assistant Physical Directress, welcomed the gathering. Dr. G. Chandramohan, Principal, PSG iTech along with Ar. G. Tamilvanan, Principal, PSG Institute of Architecture and Planning led the event. Before the commencement of the event, Mr. A. Robinson, Physical Director, PSG iTech shared some tips and general instructions about the event. Around 123 members of faculty, staff and students enthusiastically participated in this event. The event kick started at Staff Quarter's Main Gate and ended at Boys Hostel for Girls (2.5 kms) and PSG IAP Block for Boys (3 kms). Principals Dr. G. Chandramohan and Ar. G. Tamilvanan distributed mementoes for staff and medals for students at the end of the event. Finally, Mr. Eashwar, Assistant Physical Director, proposed the vote of thanks and refreshments were provided for all the participants.



Group photo session during PSG iTech Mini Marathon event held on 29th March 2023

Guest Lecture on “Concrete Technology”

The Department of Civil Engineering organized a guest lecture on “Concrete Technology” for the Civil (2nd & 3rd year) Engineering students on 30th March 2023. Dr. M.I. Abdul Aleem, Professor and Head, delivered the Welcome Address and Dr.J.Karthick, Assistant Professor of Civil Engineering coordinated this program. The Chief Guest Mr. L.S. Kannan, Head-Concrete Management Department, L&T, Chennai delivered the special lecture on “Concrete Mix Design”. Also, he shared some useful information about the job opportunities in the field of Concrete construction with the students. He also insisted the students to develop passion and curiosity on learning concepts practically. Further, he advised students to be proud about their field of study and regretted that there are many engineers graduate every year, but qualified and employable engineers are comparatively less. He also showed a video on 3D printing of a house constructed by L & T Constructions. Ms. N.S. Vaisnavi, II Year Student of the Department of Civil Engineering, proposed the vote of thanks.



Interaction session during the guest lecture on “Concrete Technology” held on 30th March 2023

IEEE Sponsored Five Day FDP on “Artificial Intelligence for Signal Processing Applications”

The Department of ECE and EEE (PSG iTech) and IEEE Madras section jointly organized a five-day Faculty Development Program on “Artificial Intelligence for Signal Processing Applications” from 27.03.2023 to 31.03.2023. The FDP was inaugurated by Dr Porkumaran K, Chairman, IEEE Madras Section on 27.03.2023 in the presence of Principal Dr. G. Chandramohan, Heads of the Departments, faculty participants and other dignitaries. Dr Vasu. C L welcomed the chief guest, who joined virtually. Dr Porkumaran K, in his inaugural speech, highlighted the benefits offered by IEEE Madras Section Students Branch to the engineering institutions. Twenty four members from Department of ECE (12) and Department of EEE (12) and five from the Department of Mathematics (5) attended the program along with five other participants from various other colleges (5) in the city, totally 34 faculty members got benefitted through the technical sessions and hands on training part of the FDP.

Mr. G. Murugan, Head of Artificial Intelligence from Smiths Detection, Bengaluru, Dr. Debanand Singdeo, from Education Team, MathWorks India Private Limited, Bengaluru and Mr. Saravanan Natrayan, CO Founder & CEO from Cognitica AI, COE, PSGiTech Campus presented the theoretical concepts of Artificial Intelligence and shared the industrial needs of AI and relevant platforms to expertise. Similarly, Professors from various universities also delivered talks and given hands-on-training for participants in data analytics tools used in Machine learning models for real time applications including signal processing. The resource persons are: Dr. M. Sabarimalai Manikandan, ASP, School of Electrical Sciences, IIT Palakkad, Dr. D. Jude Hemanth, Associate Professor, Department of ECE, Karunya University, Coimbatore, Dr. Rajathilagam, School of Computing, Amrita Vishwa Vidyapeetham, CBE, Dr S. Esakkirajan, Professor, Department of Control Systems Engineering, PSG College of Technology, Dr. R. Maheswari, Professor, CSE, Vellore Institute of Technology, Chennai and internal faculty Dr Mahavishnu. V. C. The valedictory session of FDP was conducted on 31st March 2023 in the presence of the chief guest Dr. Radha. S, Treasurer, IEEE Madras Section and Vice-Principal, SSN College of Engineering, Chennai and Dr. G. Chandramohan, Principal PSG iTech. Participants received the certificates and program coordinator, Dr. P. Vetrivelan thanked IEEE Madras section for sponsoring the program.



A photo session with the participants during valedictory session on 31st March 2023

Seminar on "How to get education loans for higher studies abroad"

For the benefit of students interested in pursuing higher education, a seminar on "How to get education loans for higher studies abroad" was organized on 31st March 2023 by the Higher Education Forum. Loan Advisors from "Loan Vidya" Mr Sankar B. and Mr Vignesh H, resource persons, provided a quick description of all the loan application schemes that are available for students wishing to pursue higher education as well as the requirements that must be met. The session provided students with a wealth of information on how and when to apply for loans. Students came to understand collateral and non-collateral loans and their procedures. The event also included a session where students could interact with one another to get their questions answered.



Interactive doubt clearing session with the students held on 31st March 2023