PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

Quarterly Report (Apr - June 2022)

Events Organized:

Annual Day - Daksha: 2022

PSG iTech celebrated its 7th Annual Day on 8th June 2022 in the PSG Convention Centre. Dr. A Velumani, Creator, Thyrocare, Mumbai, participated as the chief guest and addressed the gathering. Shri. L. Gopalakrishnan, Managing Trustee, PSG &Sons' Charities, presided over the function.

Dr.G.Chandramohan, Principal, presented the Annual Report (2021-2022). During the presentation, principal highlighted the remarkable achievements made by the students and members of faculty in research, academics, sports, and other extension activities. Institutional achievements like NBA Accreditation for all the five programs, 131st in NIRF Ranking 2021, list of MoUs signed, and various programs like conferences and workshops organized during the academic year were underscored in the presentation.

In his presidential address, Shri L. Gopalakrishnan, Managing Trustee, PSG & Sons' Charities, congratulated the best outgoing students and appealed to all the students and faculty members to utilize the state-of-the-art facilities available on the campus and reach great heights in their lives. Importantly, he spoke about the knowledge explosion through technology, the influence of internet in learning, and various other factors demand students to further their skills in the continuously changing and challenging environment. While talking about the placements, he urged the students not to settle for what is offered instead should aim higher and reach the pinnacle of success. Further, he requested the young students to focus both on studies and participate in various activities to hone their skills. Later, the Chief Guest, along with Managing Trustee, Principal, and Secretary released the college magazine Tarangini and distributed awards for the best outgoing students.

Dr P Vetrivelan, Dean, Students' Union, announced the Overall Best Outgoing Students and Department-wise Best Outgoing Students. Mr B Aakash, Final Year B.E. ECE and Ms.R.Suchitra, Final Year B.E. Civil received the Best Outgoing Students awards in boys and girls categories, respectively. Dept. wise Best Outgoing Students awards were given to Ms.S.Rowena Rachel (Civil), Ms. B. Balakeerthana (CSE), Mr. C Kolappan (EEE), Ms.K.K.Shreenidhaa (ECE), and Mr.R.Krithik Jhawahar (Mechanical).

Dr. A Velumani, in his inspiring speech, shared his entrepreneurial journey with the audience and spoke about the various challenges faced during his early days to reach the success. Importantly, he urged all the students to realize their inner potential and utilize them for success in their personal and professional life. He appreciated the management for providing conducive learning atmosphere for all the students who come from various places. At the same time, the chief guest requested the students to set an optimistic and daring mind set for leading a successful life. In addition, he spoke about the role of taking risks and staying focused to convert dreams into reality. Also, he encouraged the students to explore their unique skills and passionate areas to become successful in their lives.

Finally, Dr PV Mohanram, Secretary, PSG iTech, recapitulated some of the significant points shared during the session and proposed the vote of thanks. Later, the iTech Music club along with Dance Club entertained the audience with mesmerizing dance and soulful songs.

Ms.R.Suchitra, Final Year B.E. Civil receiving the Best Outgoing Students awards in Girls Category

Sports Day - 2022

The 7th Sports Day was celebrated at PSG iTech on 26.5.22. Principal of PSG iTech Dr. G. Chandramohan, Principal of PSG IAP Ar. K. Venkatesh Kumar, and Dr. V. Jailaxmi, Professor and Head, Dept. of Science and Humanities, presided over the function. Mr. S. N. Mohammad Salahuddin, a renowned Triple Jumper, participated as the Chief Guest and delivered the Sports Day Address. The event kick-started with flag hoisting by the chief guest. The chief guest along with the audience witnessed the impressive march past by the NCC cadets and sports students.

The finals of the 4x100 relay event were conducted for boys and girls and prizes were distributed to the winners by the chief guest. During the valedictory function, Mr.V.Vignesh, III B.E. Mech, and Sports Secretary of the college welcomed the gathering, and Dr. G. Chandramohan, Principal delivered the presidential address. In his presidential address, he highlighted the significant achievements made by students in various tournaments organized in the zonal and state-level matches and appreciated them. Further, he requested the physical education department to organize a 3 km run event and invited all the students and faculty members to participate during the first week of June 2022.

Speaking on the occasion, Chief Guest Mr. Mohammad Salahuddin stated that sports is not about making money out of it but meeting new people, having fun, and exploring one's inner potential. He urged the students to give their best every time rather than aiming for a win. Talking about the training methods, he appealed to all the students to update themselves with the latest training methods, research about it, and identify the capabilities required for the particular sport. Further, he mentioned that developing good health is more important as it helps to lead a healthy life and spend time with loved ones to make beautiful memories. Finally, the chief guest along with other dignitaries released the sports magazine of PSG iTech 'Fitech 2022'. Later, Sports Joint Secretaries Mr. J Raghul of II B.E. Civil and Ms. K. Anandhi of I B.E. EEE, delivered the Men's and Women's Annual Sports Reports. Finally, Women Sports Secretary Ms. Snehal Jain of II B.E. CSE delivered the vote of thanks.

Chief Guest Mr. S. N. Mohammad Salahuddin, Principal of PSG iTech
Dr. G. Chandramohan,PSG IAP Ar. K. Venkatesh Kumar and Dr. V. Jailaxmi, Professor
and Head, Dept. of Science and Humanities award the Overall Championship Trophy for
Girls to Alaknanda House which scored 152 points

Hostel Day – 2022 (Boys)

Hostel day (Boys) was conducted on 28th May 2022. Dr. P Vetrivelan, Head of Department – ECE, was the chief guest. Principal Dr. G Chandramohan and Secretary Dr P V Mohanram were present during the function. The games such as a three-legged race, food eating, cinema quiz, musical chair, and lucky draw were conducted prior to the hostel day for students and workers in the hostel. Later, prizes were distributed during the ceremony. The welcome address was followed by special address by the chief guest. Principal and Secretary delivered speeches and prizes were distributed to all the winners including hostel workers. The ceremony concluded with a vote of thanks. A vast and exotic dinner including vegetarian and non-vegetarian dishes were prepared for dinner.

Chief Warden Dr N Saravanakumar presenting a memento to the chief guest
Dr P Vetrivelan, HoD (ECE) during the Hostel Day function held on 28th May 2022

Hostel Day – 2022 (Girls):

Hostel Day Samartha: 2022was celebrated on 28th May 2022. Our alumni Ms. Harini.V, Software Engineer, AppViewX Pvt Ltd, Coimbatore and Ms. Preethi. K, Assistant Manager, Tamilnadu Grama Bank, served as chief guests. Dr. P V Mohanram, Secretary of PSGiTech, spoke about the development of PSG iTech college and hostels and shared the impact of universal human values on the right behaviour of the students.

Chief guest introduction was given by the Secretary Ms Kaviya (IV - ECE) and Joint Secretary Ms Nandhini (III-EEE) of the girls hostel council. Ms. Harini. V shared her experience in college, her life in hostel and gave us ideas on how to use the hostel resources to attain maximum productivity in sport, academics and the club activities. In addition to this, she provided important information regarding placements and advised everyone to show confidence during interviews. Ms Preethi. K, shared her experience on how she faced the outside world after finishing a UG degree and also insisted to ignore the negative things and failures to achieve targets and goals in the life.

Dr. G Chandramohan, Principal of PSGiTech shared a few words about the Hostel day arrangements and appreciated the great efforts of students in organizing the event. Finally, Deputy Warden of the hostel proposed the Vote of thanks. Various cultural events were conducted to showcase the individual talent on the stage for which the prize distribution ceremony was held to encourage the winners of the events conducted in connection with hostel day on stage and off stage programs as a part of the celebration.

Chief Guest with Secretary, Principal and Wardens during the Hostel Day held on 28th May 2022

Alumni Induction Programme - 2018-22 Batch

The Alumni Induction Programme for the 2018-22 batch students was organized by PSG iTech Alumni Association on 25th June 2022. The event was attended by about 190 final-year students, and faculty members. Mr. S. Navaneetha Krishnan, President, PSG iTech Alumni Association welcomed the gathering. Principal Dr. G Chandramohan presided over the function. The chief guest, Dr.G.Ranganathan, Director, Rover Industries Ltd, Coimbatore inducted the 2018-22 batch alumni.

He shared his experience with the power of the PSG alumni network and mentioned that PSG Alumni Association is running in 14 countries. He also shared that the PSG alumni are working in reputed industries at the top-level management and doing higher studies in renowned universities in abroad. He advised the alumni that not to work for the money even if you are able to work more. The results of the work i.e. success will come and go but failures will give you happiness, he added.

Mr. K. Hariharan, Vice-President, PSG iTech - Alumni Association highlighted the future plans of the alumni association and introduced the student coordinators for 2018-22 batches, Mr. Raghav M (Civil), Ms. Chitra N (Civil), Mr. Sandeep V (CSE), Ms Bala Keerthana K B (CSE), Mr.Shiva Ganesh M (EEE), Ms. Sangavi BA (EEE), Mr. Karthik Prabu N (ECE), Ms. Sneha S V (ECE) and Mr. Tamilselvan U M (Mechanical) and Ms Rindhisha R R (Mechanical). The chief guest and Dr. Jayabalan, Director, Examinations, PSG Institutions presented the best final year project awards (first and second prize) to all the branches. Dr.M.Sathiyanathan delivered the vote of thanks.

Chief Guest, Dr. G. Ranganathan, Director- Rover Industries, handing over the best project awards to 2018-22 Batch CSE students

Global Running day

The Department of Physical Education of PSG iTech organized the Global Running day event for the Faculty, Staff and Students on 3rd June 2022. Principal Dr. G. Chandramohan, PSG iTech along with Ar. K. Venkatesh Kumar, Principal, PSG Institute of Architecture and Planning led the 3-km run with the participants. Mr. A. Robinson, Physical Director, PSG iTech, started the event. Around 85 faculty, staff and students have participated in the event. The 3-km run started from the staff quarters' main gate and ended at PSG Institute of Architecture and Planning with refreshment.

Global Running Day held on 3rd June 2022

Physical Activity day

The Department of Physical Education of PSG iTech organized a Physical Activity Day Awareness Rally for the members of faculty, students, and staff on 6th April 2022 from the College Entrance Gate till iTech Kalaiarangam. Mr. A. Robinson, Physical Director, PSG iTech, welcomed the gathering. Dr. G. Chandramohan, Principal, PSG iTech, offered his felicitations and spoke about the importance of physical activity in day-to-day life.

Also, he urged the participants to do some physical activity to stay fit and energetic. Around 200 members participated in the event and benefitted. Mr. Eashwar, Assistant Physical Director, PSG iTech, demonstrated cool-down and relaxation exercises to the participants. Finally, Ms. M. Subiksha, III-B.E. Civil, proposed the vote of thanks. The rally was led by Dr. G. Chandramohan, Principal, PSG iTech, and Ar. K. Venkatesh Kumar, Principal, PSG IAP.

Dr. G. Chandramohan, Principal, Ar. Venkatesh Kumar, PSG IAP, faculty, staff and students participated in the Physical Activity Day rally organized on 6th April 2022

8th International Day of Yoga

The Department of Physical Education of PSG iTech organized the 8th International Day of Yoga for the members of faculty, staff members and students on 21st June 2022. Our beloved Principal Dr. G. Chandramohan delivered the welcome address. The yoga session started with simple day-to-day exercises. Around 51 members participated in this mega event. Mr. M. Senthilkumar, Yoga Master, demonstrated various yoga asanas and pranayama (breathing exercises) for the participants. Later, Dr. P. V. Mohanram, Secretary, delivered a motivational talk on "Yoga for Human Excellence". Finally, the session ended with refreshment and group photo.

Dr. G. Chandramohan, Principal, Mr. M. Senthilkumar, Yoga Master, and Dr PV. Mohanram, Secretary, along with HoDs, members of faculty, staff and students during the 8th International Day of Yoga held on 21st June 2022

Visit of Dr. Purush Damodaran

Dr. Purush Damodaran (Presidential Teaching Professor and Chair, Dept. Industrial and Systems Engineering) and Dr. Anitha Saravanan (School of Nursing) from Northern Illinois University (NIU) visited PSGiTech on 17th June 2022. Dr. Purush Damodaran gave a presentation about NIU to the Principal and Heads of the Departments. Fruitful discussions were carried out about student exchange, faculty exchange and other possible research collaborations. Dr. Purush Damodaran also interacted with the students of Higher Education Forum where he discussed the opportunities of doing internship during their final semester at NIU and also for doing post-graduation.

Visit of Dr. Purush Damodaran on 17th June 2022

A Virtual Session on ' Opportunities to do Research or to Teach in the US

A virtual session on 'Opportunities to do Research or to Teach in the United States" through the fully funded Fulbright – Nehru, Fulbright – Kalam and other Fulbright Fellowships' was organized on 11th May, 2022. Dr. Pradeep Haldar (U.S. Fulbright-Nehru Scholar to India from the University of South Florida, Tampa, Florida) and Ms. Maya Sundararajan (Regional Officer, United States – India Education Forum (USIEF), Chennai) virtually addressed the faculty of PSGiTech and PSGCAS, where both of them briefed about the various Fulbright fellowship schemes available, eligibility requirements, their application deadlines etc.

A virtual session on 'Opportunities to do Research or to Teach in the United States"

Engineering Career in Armed Forces and Career Guidance

5 TN Girls Battalion and 6 TN Medical Company NCC along with the Institution's Innovation Council organized a seminar on "Engineering Career in Armed forces and Career Guidance" on 1st April, 2022. Prof. V. Anto, Director of Nethaji Bose Defence Academy, Coimbatore was the guest speaker. The welcome address was given by Cdt. Nisha M H. The guest speaker detailed about the special entry of NCC cadets into defence and officer placement in defence. He also had a discussion on comparison of civil service exam and career in Armed forces. He discussed waive-offs for the NCC cadets in SSB selection process. He informed that around 435 officers are placed ever year in armed forces from in and around Coimbatore. In addition, he spoke about the naval selection board and air force administrative office in Coimbatore. Later, he made a presentation on officers who cleared SSB and serving as officers in Armed forces. He discussed the requirements for military applications and also on the work-life of technical officers in Armed Forces.

Prof. V. Anto, Director of Nethaji Bose Defence Academy, Coimbatore addressing the gathering on "Engineering Career in Armed forces and Career Guidance" on 1st April 2022

Coder Series - Data Visualization

A guest lecture on "Data Visualization" has been conducted on 04.05.2022 as a part of Coder Series for the benefit of students. Totally 127 students attended the guest lecture. Mr. Ismail Syed Mohammed, Managing Director, North America Oracle Utilities Industry Lead, Accenture – USA delivered the guest lecture to the attendees. The resource person started the session with the need for visualization using the interactive tool (menti.com) thereby students were engaged completely throughout the session. He gave real-time examples of the US delivery app's market data visualization. Number of inferences was made by the students through the interactive tool. He also explained the key concepts for data visualization with examples. Finally, he concluded the session by outlining the academic research areas in data visualization.

Guest lecture on "Data Visualization" conducted on 04th May 2022

Workshop on AWS Cloud Architecture Patterns to Build Highly Available and Scalable Solutions

The Department of Computer Science and Engineering, PSG iTech organised a workshop on "AWS Cloud Architecture Patterns to build highly available and scalable solutions" on 06th April 2022. The chief guest of the workshop was Mr. Balasubramaniam Muthusamy, Senior Technical Program Manager, Amazon – Bangalore. He detailed on his personal experiences of over 20 years in software product development field.

He is an alumnus of PSG College of Technology (1990-1994). He kept the entire session informal and mainly interactive. All the students participated enthusiastically, raised many doubts, and got them clarified by the speaker. Students from 2nd and 3rd year and faculty members attended and were benefitted from the talk. The participants were interactive and they expressed that the talk was extremely useful in exploring the area of AWS further.

Mr. Balasubramaniam Muthusamy, Senior Technical Program Manager, Amazon – Bangalore sharing his experience during the workshop held on 06th April 2022

Top Fools – 2022

A fun-coding contest named "Top Fools - 2022" was conducted by the Computer Science and Engineering Association on 1st April 2022 for all the students of PSG iTech in association with the Coding Club. Overall, 41 students participated from different departments. The contest was conducted with the help of Hackerrank online coding platform in online mode for 2 hours. There were 9 problems in total. The problem statements were not provided directly except hints to the problems. The participants gave positive feedbacks and wanted more such contests in the future.

Guest lecture on "Construction of Individual Villas"

The Association of Civil Engineering organized the Guest lecture on "Construction of Individual villa-A to Z" on 12th April 2022. Dr M I Abdul Aleem, Head of Department of Civil engineering, welcomed the gathering. Ms K Govarthanambikai, Asst. Professor, Dept. of Civil Engineering, welcomed the chief guest. Chief guest Er C R Sriprasannarajh, General Manager- Projects, Shri Kubhera Parivar, explained about the entire construction process starting from marking and footing excavation to painting of Villas. He also shared about his entire journey in the construction field. Mr Prabhu S, III B.E. Civil student, proposed the vote of thanks.

**Dr M I Abdul Aleem, Head of Department of Civil Engineering presenting
a memento to the chief guest**

Guest lecture on "How to become a valuer?"

The Association of Civil Engineering organized a guest lecture on "How to Become a Valuer" on 20th April 2022. Dr M I Abdul Aleem, Head of the Department of Civil engineering, welcomed the gathering and gave a brief introduction about the chief guest. Chief guest Er.N. Elango, a registered valuer, Tiruppur, explained the various factors for the purpose of valuation, knowledge required for a valuer, and professional bodies related to evaluation. He also gave some insights about how to become a valuer and the growth of valuers based on their years of experience. Ms.Mirdula, Third year, Department of Civil Engineering, proposed the vote of thanks.

**The chief guest Er.N. Elango, Registered Valuer, Tiruppur addressing the
gathering during the Guest Lecture held on 20th April 2022**

"Connect with our Seniors" - EEE Association

A seniors-juniors interaction was organized the EEE Association on 28th May 2022. Mr. Madhugogul and Mr. Anirudh (Batch 2022) were invited by Dr. Malar (EEE) to share their experience with their juniors. The event began with the welcome speech by Ms. Varsha (Joint Treasurer of EEE association). Mr. Ahamed Nadeem (joint secretary of EEE association) briefed about the seniors, followed by Dr. Malar sharing her experience with the seniors and made the session interesting. Mr. Madhugogul and Mr. Anirudh shared their experience of the interview process and gave many tips for the students on placement preparation. The two hours session was interactive, the students were posting their queries to their seniors, and all their queries were answered. Dr. Malar, Faculty in-Charge EEE Association proposed the vote of thanks and concluded the session.

Session on "Connect with our Seniors" held on 28th May 2022

Guest Lecture on 'Breaking Down the IoT'

The EEE Association organized a guest lecture on the topic "Breaking Down the IoT" on 01st June 2022. Ms. Kamali Devaraj, IoT Engineer, Kalycito Infotech Pvt. Ltd., gave a lecture to the first and second-year students of the EEE department. EEE Association office bearers, Mr.Ahamed Nadeem M and Ms Varsha N introduced the chief guest and welcomed her to share her knowledge with the audience. Ms. Kamali began by giving a brief explanation of the Internet of Things (IoT) before delving into its applications, real-world examples, and societal implications. She compared and contrasted the interconnectivity and future of IoT with daily software usage. She also spoke about her line of work and provided comprehensive explanations of their internship and employment procedure for recent grads, which was beneficial to the students.

Faculty coordinator of the EEE Association, Dr.E.Malar gave the vote of thanks during the session

Technical talk on "Hardware threats in SoC"

The Department of Computer Science and Engineering (PSGiTech) in association with the Indian Society for Technical Education Students' chapter(TN 366) organized a Technical Talk on "Hardware Threats in SoC" on 25th May 2022. The resource person was Dr.Sree Ranjani Rajendran, Postdoctoral Research Fellow at Florida University, USA. The session started with a welcome address by Dr.R.Manimegalai, HoD, Department of CSE who felicitated the gathering. Ms. K. Lakshmi Kalpana Roy, Assistant Professor, Dept. of CSE introduced the resource person. Ms.V.Vilasini, Assistant Professor, Dept. of CSE coordinated the event. Dr.Sree Ranjani Rajendran started with basic concepts of 'System on chip' after which she geared up the students' minds by demonstrating a video describing various stages involved in the manufacturing of chips.

She took the audience to the heart of the talk with a detailed and intricate discussion on various security threats that are introduced during different stages of chip manufacturing. Some of the security threats include Counterfeiting, IP piracy, IC piracy, Reverse Engineering etc. She also precisely indicated the goals behind the introduction of those kind of threats. Then, she elaborated on various solutions and testing methods that are undertaken to overcome the shortcomings of those threats. Finally, the students and other faculty members actively interacted and discussed various details on solutions to hardware threats with the resource person and career opportunities in the domain of SoC during the question and answer session. The technical talk was concluded with a vote of thanks by Ms.Vilasini, Assistant Professor, Dept. of CSE.

The participants along with the Chief Guest Dr. Sree Ranjani Rajendran, Postdoctoral Research Fellow at Florida University, USA during Technical Talk on "Hardware Threats in SoC" held on 25th May 2022

Hands-on Session on Exploratory Data Analytics using R

A lecture cum hands-on session on "Exploratory Data Analytics using R" was conducted on 25th May 2022 as a part of Coder Series by the Department of Computer Science and Engineering in association with Indian Society for Technical Education (ISTE) Students' Chapter (TN366). Totally 48 students of I year BE-CSE attended the event. Dr.V.Bhuvaneswari, Associate Professor, Department of Computer Applications, Bharathiar University, Coimbatore engaged the session. The speaker gave a detailed overview about the big data analytics. She also engaged the students to work on R to get the hands on feel. It helped the students to realize the real essence of data analysing. She also described about the language R from the basics and the hands-on session was conducted using R Cloud. Since the first year students were already trained in Python, they felt comfortable with R and also did their hands-on session with complete interest.

The resource person, Dr. R. Manimegalai, HoD and faculty members of Department of CSE along with the student participants

Guest Lecture on "VLSI Design for Low power SoC design"

The ECE Association (ECA) and IETE Students' Forum (ISF) organized a guest lecture on the topic "VLSI Design for Low power SoC design" for II and III year students on 15th June 2022. Mr. N Sundara Balaji, Director Engineering, Qualcomm India Pvt. Ltd, Chennai, was the resource person. The resource person joined virtually and around 50 students benefitted. The session started with a welcome address by convener Dr. P Vetrivelan, HoD-ECE. The lecture began with low-power SoC design and plans to design low-power circuits.

Clock distribution, different types of voltage scaling, Gate level optimization technique, multi Vdd technique, PowerGating and various low power techniques used in the industry were discussed. He concluded the talk with a brief explanation on the design elements required to design low-power SoCs with Retention Flip Flop and level shifters. The session ended with a 10-minute interactive question and answer session. Student coordinators of the event were Mr Pranuv.R, Vice-President (ECA) and Ms Rama Lakshmi.S, Joint Secretary (ECA).

Mr. N Sundara Balaji, Director Engineering, Qualcomm India Pvt. Ltd, Chennai, addressing the audience on 15th June 2022

Lecture on Intellectual Property rights for Engineers

The Department of ECE in association with the Entrepreneurship Development Cell (EDC) & Institution's Innovation Council Organized a lecture titled, 'Intellectual Property rights for Engineers' on 14th June 2022. Around 70 students, including the third ECE students who undergo curricular elective course 'Professional Ethics in Engineering' attended the special lecture. The speaker, Mr. H. Sundar Athreya, Assistant Professor KIIT School of Law Bhubaneswar, Odisha, joined via video conferencing and gave various real corporate examples and cases in order to give the students a clear glimpse on the aspects of IPR, which an engineer should be aware. The faculty in-charge of the elective course, Ms. N. Susithra (AP-ECE) coordinated the lecture along with Dr.Manojkumar (Mech) and Mr. Elayaraja (Civil).

Students listening and interacting with Mr. Sundar during the session on "IPR for Engineers" held on 14th June 2022

Third National Conference on Communication and System Design 2022 (NC²SD 2022)"

The Department of ECE in association with IETE, IE(I) and ISTE organized the third National Conference on Communication and System Design 2022 (NC²SD 2022) on 11th June 2022. The Inaugural function started with a prayer song. Dr. P. Vetrivelan, HoD, ECE department welcomed the gathering. Dr. P Reba, Asso. Professor ECE, Organizing Secretary briefed about the conference. She cited that 33 papers from various institutions will be presented in the conference out of around 60 papers received for review. Dr. G. Chandramohan, Principal, PSG iTech, delivered the inaugural address he encouraged the participants to make use of this conference to get connected with the research community and incorporate the new ideas and emerging concepts in their project work. He also appreciated the efforts taken by the faculty members for organizing the conference.

Dr. P. V. Mohanram, Secretary, delivered the felicitation address and he insisted on the importance of research publications. He also informed the participants about the new journal under publication by PSG CARE, indexed by UGC. Mr. K. Paldurai, Organizing Secretary, proposed the vote of thanks. Later in the keynote talk by Mr. KRS Ravikumar on "Machine Learning in Communication Design", the resource person spoke on the significance of incorporating intelligence while building communication systems and latest technologies like LIDAR etc.

He also explained the design and construction of microwave components like resonators, miniaturization of microwave components and characterization of materials used in microwave components. He also encouraged the participants that the research outputs can be converted into products by establishing incubation centres.

The topic of his speech was "Ever-evolving World of Trends and Challenges". He explored AI's abilities, accomplishments, and its contribution to human society. He also pointed out that AI will require a different skill set and will open up more job opportunities. He shared his experience as a software engineer in the industry. Also, he shared how technologies are evolving over the decades and he advised the future engineers to be flexible to work with the new technologies. At the end, participants had a discussion with the speaker about the social impact of AI and the adverse effects of AI.33 papers were presented by students and faculty from various institutions.

Among them, 12 papers were presented in Track I – Communication Systems track, 6 papers were presented in Track II- VLSI track and 15 papers were presented in Track III - Applications of machine learning. Three panels were arranged, and chaired and co-chaired by Professors from PSG iTech, PSG College of Technology and Industry experts.

Dr. P V Mohanram, Secretary, Dr. G Chandramohan, Principal, PSG iTech along with Dr. P Vetrivelan, HoD, ECE Department and organizing team of third National Conference on Communication and System Design (NC²SD 2022) releasing the Conference Proceedings on 11th June 2022

Inauguration of CSI PSG iTech Student Branch

PSG iTech in association with the Computer Society of India Coimbatore Chapter, installed the CSI PSGiTech Student Branch on 06th June 2022 inaugurated by the Chairperson of CSI Coimbatore Chapter, Dr. E. Chandra Blessie. The idea behind the inception of the CSI Student chapter at PSGiTech is to hone the skills of the students. The activities conducted for the students associated with the Society include lecture meetings, seminars, conferences, training programs, programming contests, and practical visits to installations. CSI has a strong Educational Directorate that undertakes activities related to the Certification of professionals related to the latest technologies. Dr. R Manimegalai, Professor and Head, Department of CSE, welcomed the gathering and motivated the students with her own experience across various professional societies. The student got insights regarding the EDA tool, VLSI Society of India, and many more. Following this, Sandeep V, Chairperson of PSGiTech's CSI Student Branch introduced the chief guest.

Dr. E. Chandra Blessie, Chairperson of CSI Coimbatore Chapter inaugurated PSGiTech CSI Student Branch. She gave a brief description of the initiatives of the Computer Society of India which promotes and improve the quality of life and growth in the life of Computer Science professionals and student. Also, she told how different areas of the field which involve Computer Science and being a part of CSI will be great opportunities to interact with eminent Professional people in and around the world. Dr. D Sivaganesan, CSI Student branch coordinator introduced the newly appointed office-bearers of CSI PSGiTech Student Branch. Finally, S Rathan Aswath, Secretary, PSG iTech's Student Branch proposed the vote of thanks.

Dr. R Manimegalai , CSE Department Head, Dr. E Chandra Blessie, Chairperson-CSI Coimbatore Branch along with faculty coordinators and Student representatives of PSGiTech CSI Student Branch during the Installation Ceremony of CSI Student branch on 06th June 2022

Guest Lecture on "How to get a Patent?"

PSG Institute of Technology and Applied Research, in association with the Kalam Program for IP Literacy and Awareness (KAPILA), Ministry of Educations Innovation Cell, Indian Society for Technical Education (ISTE), All India Council for Technical Education (AICTE) and Institutions innovation council (IIC) organized a guest lecture on "How to get a Patent?"on 21st June 2022. Dr.M.Alagar, Research Consultant delivered the welcome address. He emphasized the importance of getting patent.

Dr.M.Alagar, Research consultant, delivering the welcome address during the guest lecture held on 21st June 2022

Mr. Udhaya Shankar, Assistant Controller of Patent, Patent Office, Chennai, delivered the lecture on "How to get a patent?" In his address, he elaborated on "Intellectual property rights" and the importance of protecting knowledge. Around 24 faculty members and 22 students of PSG iTech have participated in the session. Mr.D.Venkatesh, Asst. Professor (Sr.Gr.), Dept. of ECE proposed the vote of thanks.

Dr. M.I.Abdul Aleem, Professor and Head, Dept. of Civil Engineering presenting a memento to the chief guest on 21st June 2022

Workshop on Intellectual Property Rights

The Workshop on "Intellectual Property Rights" was organized on 09th April 2022 by EDC Cell. The Resource person of the program, Dr D. Balaji was a recognized Patent Agent & Head- Centre for IPR, KPRIET, Coimbatore. He explained the ways and means to improve our intellectual knowledge and also explained about, how to safeguard our inventions. Students went on discussing patent filing. Various doubts on Patent, design and copyrights were clarified by the resource person. The guest shown various patents registered. To motivate the students, he has shown few patents on our daily usage materials such as peeler, sticky notes, etc. The EDC coordinator Mr.S.Elayaraja, AP (Sl. Gr), Civil Engg. has organized the program.

The chief guest during the interaction with the students held on 09th April 2022

Lecture on "Introduction to CFD"

The Lecture on "Introduction to CFD" was conducted on 26th May 2022 for II and III year Mechanical Engineering Students on an online platform. Dr Sandeep Mouvanal, Senior researcher, Nottingham University was the resource person. The Invited lecture began with the welcome address by Mr Keerthivasan, III year Mechanical engineering department by welcoming the chief guest, participants and detailed overview of the chief guest and his technical background. The speaker started with the background of CFD software and its importance. Computational fluid dynamics (CFD) is a technique of flow predictions by numerically solving governing equations of fluid flows. Governing equations are conservation of mass, momentum, heat, and mass transfer.

Numerical methods are used to convert partial differential equations into algebraic sets of equations. After solving iteratively using computer programs, engineers visually predicted velocity, pressure, and temperature. Programming tools like C or C++ need to be learned by CFD users initially. Familiarity with CFD software is essential for geometry, meshing, simulation, and post-processing. Parallel computing may need for complex industrial problems, large eddy simulations (LES), and DNS. Most CFD solvers are developed in C or C++ which are easy to run multiple processors (HPC). Python or scripting languages is used to control the simulations on hardware. Finally, the session ended with a vote of thanks by Mr Kabilan, II year Mechanical engineering student.

Dr Sandeep Mouvanal, Senior researcher, Nottingham University, delivering the guest lecture titled "Introduction to CFD" on 26th May 22.

Talk on "The Wandering Earth"

The Astronomy club of PSG Institute of Technology and Applied Research, Coimbatore conducted a talk event on the topic "The Wandering Earth" on 28th May, 2022 between 11 am to 12:30 pm in the seminar hall of Civil block (E5). Dr M Chrisphin Karthick, Scientist-C & Deputy head SCOPE, Indian Institute of Astro Physics (IIA), Bangalore was the chief guest for the event. The event was graced by the presence of Dr G Chandramohan, Principal, Dr M R Srinivasan, HoD Physics and the faculty In charge of Astronomy club Dr S Maruthamuthu, Associate Professor, Department of Physics, along with the other department faculties and 70 students.

The event was coordinated and organized by the club President Mr Manish R K of 3rd year Civil, the Vice President Ms Gowsika D of 3rd year ECE, the Secretary Subiksha M of 3rd year Civil, the Joint Secretary Ms Mirdhulaa K B of 2nd year EEE, the Treasurer Mr Pandiaraj of 3rd year Civil and student members of Astronomy club. The MC was elegantly done by Ms Aakarshna, 1st year EEE and Ms Dharsana J, 1st year EEE. The moments of the event were captured by Mr Jarvis Chellizelig R of 1st year Mechanical.

The Talk on "Wandering Earth" held on 28th May 2022

The event started with a soulful prayer song by Ms Hari Nandhana, 1st year EEE. A short video was played for the audience about the "Stargazing Treat" event which was held on 27th May - Friday from (8 pm to 10 pm) on E7 block roof top in which 80 students from (I to III year participated). The video also showed the same event, which was continued on 28th May - Saturday from (4 am to 6.30 am) in which 20 students participated to view the planets using the Celestron Nexsatar 4SE and Celestron Astro Master 130 EQ telescope.

The stargazing Treat was felicitated by the chief guest and the faculty In charge along with the support of Mr Naveen Prakash M S of 1st year Mechanical, Mr Vetriselvam S B and Mr Dhruwin Raj D of 1st year Civil. The presidential address was delivered by the Principal, Dr G Chandramohan followed by the chief guest introduction, by Ms Gowsika D of III EEE. The chief guest Dr M Chrisphin Karthick started to address the gathering by 11.30 am by explaining the various concepts in Astronomy.

To start with, he spotted different fields in Astronomy—Solar studies, planetary sciences, Galactic research, Extra galactic research, cosmology (Big Bang), Theoretical studies, Instrumentation and Celestial Mechanics. He then highlighted the fact, how the earth is just a tiny spot by giving the "The Pale Blue Dot", photograph of Earth taken Feb. 14, 1990, by NASA's Voyager 1 at a distance of 3.7 billion miles (6 billion kilometres) from the Sun.

He also highlighted the recent first image of black hole known as Sagittarius A* that was produced by a global research team called Event Horizon Telescope Collaboration using observations from a world-wide network of radio telescopes. He played many short videos that gave the basic understanding of the relative motion of celestial bodies in the space that highlighted the fact that nearest objects move faster relative to the farthest objects. The Sun rises in the south and sets to the southwest. Finally, he concluded by giving various interesting insights on Astronomy.

Students Achievements:

Fluid Power Challenge – 2022

Fluid Power Challenge 2022, a national-level event was conducted by the Fluid Power Society of India (FPSI) on June 10th 2022.A team of four students Ms Thaarikaa N, Ms Hareni M, Ms Janani M, Ms Preyaa Dharesheni N from 3rd year Mechanical Department guided by faculty Mr M Senthilvel (AP, MECH) participated in the Design challenge. The Innovation Topic presented was the design and fabrication of a "Gravity Fed Electro Pneumatic Portable Can Crushing Machine". PSGiTech team bagged the Second Prize and received the "Yoganarashima Award for Innovation in Design 2022" on 18th June 2022 at Bangalore, Capitol Hotel on Fluid Power Professionals Day 2022. The team also received a cash prize of Rs 5000.

PSGiTech team bagged the Second Prize and received the "Yoganarashima Award for Innovation in Design 2022"on 18th June 2022

Dhruva 2022

The Battle of Bands competition Dhruva 2022 a national-level techno management cultural fest was conducted by Karpagam College of Engineering, Coimbatore on 04th June 2022. Students of iTech Music Club, Mr JagatheaswaranS (4th B.E. Mech), Mr Sanjit M M, (4th B.E. ECE), Mr Kiritin Srinivas R (4th B.E. ECE), Mr Sreehari Prasad K (3rd B.E. Mech), Mr Athul Krishna R (3rd B.E. ECE), Mr Rama Meyyappan C (3rd B.E. ECE), Ms Dharshini S (3rd B.E. ECE) and Ms Nehya Ragavan V A (2nd B.E. CSE) have participated in the competition and bagged 2nd prize with a cash prize of Rs. 5000.

iTech Music Club performing on the final stage @ Dhruva 2022

Sight on Site

Students of 2nd year B.E. CSE Mr Arvind Madhavan, Mr S. Sai Santhosh and Mr K. Hariharan participated in the Sight on Site event and secured 1st place with a cash prize of Rs. 2000/- conducted at CARTE BLANCHE organized by Computer Society of MIT, Madras Institute of Technology, Anna University, Chennai on 14th and 15th May 2022. In another competition Adzap, Mr Arvind Madhavan has secured the Runner-Up place with a cash prize of Rs. 1000.

E-GRAPHIE 4.0

Students of IB.E. CSE (PSG iTech) participated in E-GRAPHIE 4.0 national-level technical contest conducted by the Department of Mechanical Engineering at Jansons Institute of Technology, Coimbatore on 18.6.2022. Mr Sarvesh S M, Mr Parthasarathi M participated in E Graphie 4.0 (Quiz) and secured Second Runner-Up with Certificate and Cash Prize Rs.500.

Event Participation at Anna University, Regional Campus, Coimbatore

Students of I B.E.CSE(PSG I Tech) participated in the One-day national-level Symposium GENIO 2K22 organized by the Department of Computer Science and Engineering held at Anna University, Regional Campus, Coimbatore on 09th June 2022. Mr Renil Shaji, Mr Srinitish.D participated in GENIO 2K22 (Marvel Trivia) and secured 1st Place; Mr Harshavardan.K.K participated in GENIO 2K22 (Competitive Coding) and won Second Prize. Mr Nirmaliswaran, Mr Isaac Abraham, Mr Suriya Sampathkumar participated in GENIO 2K22 (Debugging) and won First prize; Mr Harshavardan.K.K, Mr Karthikeyan.A.S and Mr Vigneshwaran also participated in GENIO 2K22 (Debugging) and won Third Prize.

Mr Nirmaliswaran, Mr Isaac Abraham and Mr Suriya Sampathkumar of First year CSE received a certificate and medal from Dr.J.Preethi, Assistant Professor, Anna University on 09th June 2022

Genio - National Level Symposium

Mr Shyam Vikram S of III ECE has participated in Genio, a National-Level Symposium conducted by the Computer Science department of the Anna University- Regional Campus on 9th June 2022. He secured the first place in the trivia along with his teammates Mr Renil (I CSE) and Mr Sri Nithish (I CSE). There were about 50 participants.
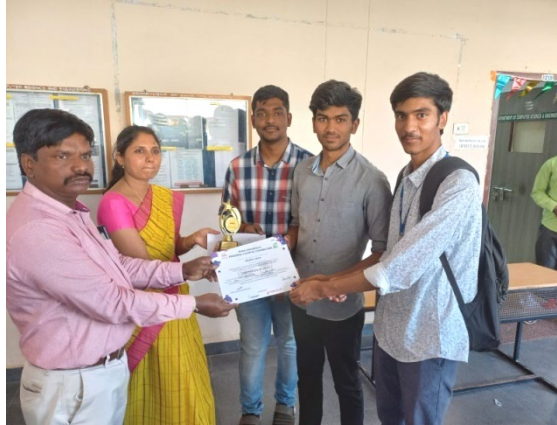
Prize winners receiving certificates from the event organisers

TNSI Competition

TNSI (Tamil Nadu Student Innovator) is a flagship event of EDII-TN to promote student Innovators. The program was organized in Four Stages - Awareness Program, Ideation Program, Bootcamp Program & Final Pitching at EDII, Chennai. ZIG-MET, an innovative idea, was proposed by Ms Aswathi R, Ms Prakalya E and Ms Swedha R of III B.E ECE. It is about a smart and safety helmet equipped with multiple sensors that help to detect toxic environmental conditions, and a personal area network that connects all the workers to the base station. Among the 4067 ideas received, five teams were selected from Coimbatore Zone and cash prize of Rs.One lakh was awarded. Team ZIG-MET is one among the five teams.

**Students receiving certificates from the Event co-ordinators of Tamil Nadu
Student Innovator award**

PSG iTech Students at KPR Engineering College for Technical Symposium

The students of II B.E. ECE participated and bagged several prizes in the national-level techno-cultural fest FIESTAA '22 held at KPR Engineering College during 8th and 9th April 2022. Ms.Amirtha and Ms.Jahnavi won the first prize in Ideathon contest and second prize in Project presentation. Ms.Kaniskaa and Mr.Sriniketh won the second prize in Hackathon. Also, Ms.Kanishka won the first prize in JAM event conducted by the Toastmasters Club.

Principal congratulating the winners of "National Level Techno Cultural Fest"

National level Technical Symposium 2k22 at SREC

Ms. Keerthana Vasan S (II Year ECE), Ms. Subiksha E (II Year ECE), and Mr. Harshavardhan M (II Year ECE) participated as a team in the ROBOFIESTA, a national-level technical symposium, organized by the Department of Robotics and Automation of the Sri Ramakrishna Engineering College (SREC), on 12th May 2022. They secured the first place and received a cash prize of Rs.1000 in the event IDEATHON, where they presented their innovative and technologically advanced ideas for the given problem statements. Around 50 teams participated in the event, which had two rounds.

iTech students receiving the certificates and prize money during the technical symposium

Palamalai Trekking-2022

The NSS and Eco Club of PSG iTech jointly organized a trekking to Palamalai on 12th April 2022. During the trip, students visited a temple and served food to the tribes living in the hill and donated clothes. Also, the team visited Jeeva Karunya Ashramam to give the donation. Dr.P.Chinnaraj, Dr.R.Ravikumar, NSS Program Officers and Dr.A.Kumaravel, Eco Club co-ordinator have coordinated the event.

Trekking to Palamalai

Awareness Program and Plastic Cleaning Drive

The ECO Club along with NSS of PSG iTech has organized a Plastic Cleaning Drive at Anuvavi Subramanyaswamy Temple followed by Nature Awareness Program at the Nilgiri Biosphere Nature Park on 11th May 2022. The Volunteers reached the destination, Anuvavi Subramani Temple, Anaikatti and they cleaned the surrounding areas filled with plastics and disposed them safely. They took off from Anuvavi Subramani temple and reached the Nilgiri Biosphere Nature Park at 12:45 pm. They explored the biosphere nature park and learnt about the flora and fauna of the surroundings. Dr.A.Kumaravel and Dr.R.Ravikumar, Eco Club Coordinator and NSS Program Officer coordinated the event.

Awareness Program and Plastic Cleaning Drive at Anaikatti

Orphanage Visit:

The NSS and the Drawing and Painting club jointly organized an orphanage visit to Universal Peace Foundation, Nallakoundanpalayam, Annur on 13th May 2022. Around 35 students along with Dr.P.Chinnaraj, NSS PO and Ms.M.Deepa, Drawing and Painting club Coordinator participated in the program. Students collected and donated Rs.23,850 and groceries(worth Rs.1000) to the Orphanage for the welfare of Students and old age people and also they served lunch to all.

There are 392 orphans and 10 office assistants. Volunteers taught drawing and painting to the children and spent time with mentally-challenged people. The program was a rewarding experience for the students.

Visit to Universal Peace Foundation on 13th May 2022

Mass Cleaning Campaign

The NSS team of PSG iTech conducted a 'Campus cleaning program' on 01st June 2022 from 11.45 am to 12.45 pm in and around the college premises. Around 25 NSS volunteers participated and collected 15 kg of garbage. Dr.P.Chinnaraj, NSS Programme Officer organized the program.

Campus cleaning program

Mass Cleaning Program in Singanallur Bus Stand

The NSS team of PSG iTech participated in the 'Mass Cleaning Program' in Singanallur Bus Stand, which was organized by Coimbatore Corporation on 11th June 2022 from 8.30 am to 11.30 am. Assistant Commissioner of Coimbatore Corporation addressed the gathering and requested the students to maintain the city clean and healthy. Forty one NSS volunteers have attended the programme. Dr.P.Chinnaraj, NSS Programme Officer organized the Mass Cleaning program. NSS volunteers have collected 25 kg. waste and also water washed the bus stand.

Mass cleaning program

SBI Life Insurance

Staff club organized a talk on "SBI – Future Guarantee Plan with Fixed Interest Rate" on 26.04.2022. Around 45 faculty and staff members participated in the program. Mr.S.Rathakrishnan explained the benefits and plan of the above-mentioned scheme.

**Talk on "SBI – Future Guarantee Plan with
Fixed Interest Rate" on 26.04.2022**

Faculty acted as a Resource Person:
Workshop on "Farm Machinery"

Dr.M.Devasena, Associate Professor, Department of Civil Engineering served as the special guest for a demo Workshop on "Farm Machinery" organized jointly by Coimbatore's Farmers Association and STIHL Coimbatore at High Tech Organic Farming, Coimbatore on 04th June 2022. Around 25 farmers participated in the workshop along with resource persons from STIHL.

Special Guest in the Workshop on "Farm Machinery" held on 04th June 2022

Workshop on "Sustainable Living"

Dr.M.Devasena, Associate Professor, Department of Civil Engineering served as a resource person in the Workshop on "Sustainable Living" held at Gia Mantra Global Village, Tiruvannamalai from 20th to 29th June 2022. The workshop explored various aspects of sustainable living including sewage treatments for stand-alone homes.

Students' participation in the workshop

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PSG Institute of Technology and Applied Research

Quarterly Report (July to September 2022)

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Events Organized:

Faculty Induction Programme

PSG Institute of Technology and Applied Research in collaboration with the Wellness Centre and Faculty Training Cell organized a 4-day Faculty Induction Programme (FIP) for the newly recruited members of faculty from 2nd to 5th August 2022. Various fruitful topics were discussed during the sessions to orient the faculty members. Some of the topics included were: PSG Culture, Teaching and Learning methods, Roles and Responsibilities of faculty members & Importance of projects, Curriculum & Syllabi, Examination system, Research and Publications, Industry Institute interaction & Administrative roles, IPR & Patent, Governance and Finance, Club activities & extracurricular activities, IQAC & admission, Women empowerment, LMS module & online teaching, Love your work : Own your success. It's Your Journey, and Sports and library facilities. Heads of the Departments and senior faculty members of the college engaged the above-mentioned sessions in an interesting manner.

Earlier, Dr.G.Chandramohan, Principal, inaugurated the Faculty Induction Programme and welcomed all the new faculty members. During the session, he detailed the history of the college, the legacy of the brand PSG, and its vision and mission. He explained the culture of PSG and the rich tradition they have been following for the last 96 years. Importantly, he spoke about the establishment of the fifth brother, which is known across the world as PSG Sons' and Charities. Also, he spoke about the functionalities of PSG Centre for Academic Research & Excellence (CARE) like offering training programs for faculty. Further, he spoke about the upcoming courses, NIRF Ranking, and the peer-learning system.

Dr.P.V.Mohanram, Secretary, PSG iTech, discussed the various techniques of teaching and learning like questioning the students to promote their thinking skills through interaction. Also, he discussed various qualities required for effective teaching and few other points including writing with clarity, eye contact, mutual ambience, calling students by their names, holding attention etc.

During the session, he stated that the most important objective of teaching is to make the students understand the contents and allow them to think. In addition to the questioning method, he elaborated on the dialogue method, peer learning, effective learning techniques, and collaborative learning. At the end, a test was administered using Kahoot! platform. On the final day, Dr.G.Chandramohan, Principal, interacted with the participants and requested them to share their four days of experience and their learnings.

**Dr. G Chandramohan, Principal, delivering a lecture during the 4-day
Faculty Induction Programme from 2nd to 5th August 2022**

Faculty Awards Function

PSG Institute of Technology and Applied Research organized Faculty Awards Function for the period of January - June 2022 on 12th August 2022. Faculty Awards Function is organized every six months to encourage and recognize the significant achievements made by the members of faculty. Dr E Malar, Professor, Dept. of EEE and Mr M Jothibasu, Asst. Professor (Senior Grade), Dept. of ECE, organized the function. Dr G Chandramohan, Principal, welcomed the gathering and made a brief presentation about the status of application for admission, NIRF ranking, placement and research statistics, and Anna University results. Speaking on the occasion, he requested members of faculty to focus more on research works like the publication of their research articles in reputed journals and patents. He thanked the management for granting money to encourage the faculty members.

**Chief Guest Dr.K.C. Ramakrishnan, Mentor Professor, BSMED, Bharathiar University,
Coimbatore presenting prize to Dr. P Manoj Kumar, Associate Professor, Dept. of Mechanical
Engineering, during the Faculty Award Function held on 12th August 2022**

Dr. E Malar, Professor, Dept. of EEE, made a presentation about the summary of awardees and discussed the increase in prize money when compared to the previous year, and thanked the principal for taking special efforts. Chief Guest Dr.K.C.Ramakrishnan, Mentor Professor, BSMED, Bharathiar University, Coimbatore delivered the special address and distributed the prizes to the faculty members. During his address, he fondly reminisced about his professional associations with PSG Institutions as a faculty and his passion for teaching. He stated that students are the brand ambassadors and appealed to all the members of faculty to work with utmost dedication for the institution. Further, he discussed in detail McKinsey's 7-S Framework and explained its significance in the workplace environment: structure, strategy, system, shared values, skill, style, and staff. Later, he appreciated and lauded the achievements made by faculty members.

During the felicitation address, Dr.P.V.Mohanram, Secretary, PSG iTech, thanked the chief guest for his interesting speech and recalled some of the pivotal points shared during his speech. Finally, Mr. M Jothibasu, Asst. Professor (Senior Grade), Dept. of ECE, proposed the vote of thanks.

Independence Day Celebrations

PSG Institute of Technology and Applied Research celebrated the 76th Independence Day in the presence of the Chief Guest Col V.R.Villavankothai (Veteran), Retired Army Officer, PSG Tech -1976 Batch Alumnus. Hoisting the tricolored national flag, Col B V.R.Villavankothai accepted the NCC students' Guard of Honor and delivered the Independence Day Speech. The chief guest explained the history of Indian freedom struggle in detail and sacrifices made by the martyrs for the freedom struggle.

During his speech, he shed light upon various developments in the last seven decades like voting rights for men and women, illiteracy rate, various wars, and technological prowess in various fields. He spoke about how India has become the largest manufacturer and supply of vaccines to the world and proved its power. Further, he spoke about the challenges ahead of citizens of India like corruption, insufficient literacy rate, infant mortality rate, and gross enrollment ratio. Finally, he urged students to join the army service after their studies and serve the nation.

Earlier, Dr.G.Chandramohan, Principal, welcomed the gathering and listed various events organized during the fortnight celebrations of Azadi Ka Amrit Mahotsav (AKAM) like essay writing, oratory skills, drawing and painting, quiz, and sports and appreciated all the event coordinators and participants. Also, he congratulated the National Cadet Corps (NCC) for their impressive parade. Dr.P.V.Mohanram, Secretary, appreciated the chief guest for his inspiring speech, recapitulated some of the significant points shared by the chief guest and appealed to all the students and participants to imbibe the thoughts shared by the chief guest. He also lauded the chief guest's passion for research in Tamil language and literature. Ar K Venkatesh Kumar, Principal, PSG IAP, urged the students to set up a platform through education and technology for the next twenty five years to become a developed nation.

Ms Malavika (Civil) and Mr Akshaykumar (Mechanical), Gold Medalist in Anna University Examinations (2017-2021) shared their memorable experiences during their collegiate days and shared some fruitful tips, especially he requested the students to be social. Both of them thanked the Management, Principal and Secretary, HoDs, and faculty for extending unstinted support to reach success in their lives. Later, students performed dance, delivered speech on Spirit of Freedom in Tamil, and performed music. Later, prizes were distributed to the prize winners for the various events organized as part of fortnight celebrations of Azadi Ka Amrit Mahotsav (AKAM) by the dignitaries. At the end, a special tree-plantation drive was organized to commemorate the 76th Independence Day celebrations by students from the eco-club. Finally, Dr.P.Vetrivelan, Associate Professor and Head, Dept. of ECE, proposed the vote of thanks.

Principal Dr G Chandramohan, Secretary Dr PV Mohanram and other dignitaries presenting a memento to the Chief Guest Col. V.R.Villavankothai (Veteran), Retired Army Officer, PSG Tech -1976 Batch Alumnus during the 76th Independence Day celebrations held in the Central Courtyard at PSG iTech on 15th August 2022

Parents Meet 2022

Parents' Meeting was organized on 2nd September 2022 in Mechanical Seminar Hall. Parents of second, third, and final-year students were invited to the meeting. Principal, Secretary, Heads of the Departments, and faculty members participated in the meeting. Dr.G.Chandramohan, Principal welcomed the parents and other participants to the meeting. He presented the report on the student academic performance and Anna university rank holders of the college as well as the placement status. He highlighted the significant achievements of the students and appreciated the parents for their continuous support. He also mentioned the development plans of the college for the welfare of the students.

Dr.G.Chandramohan, Principal addressing the parents during the "Parents Meeting" held on 2nd Sep 2022

Dr.P.V.Mohanram, Secretary offered the felicitation address and thanked all the parents for their commitment and trust on PSGiTech. He highlighted the importance of human values and ethics and explained various initiatives taken by the college to inculcate all those values among the students. He also elaborated unique teaching and learning methodologies adopted by the college.

Feedback Session during the Parents Meeting

An interactive session between the teachers and parents regarding placement activities, teaching learning activities, mini project, value added courses, higher studies, and entrepreneurial opportunities and sports activities took place. Parents gave positive feedback about the college and its learning environment. Finally Dr.R.Ravikumar, Co-ordinator of the parents meet, proposed the vote of thanks.

Ooty Trip – 2022

To recognize and appreciate the efforts taken by the faculty and staff to reach the 124th rank in the National Institution Ranking Framework 2022, the management of PSG Institutions has generously sponsored a one-day trip to "Ooty" for all the faculty and staff of PSG Institute of Technology and Applied Research on 3rd Sep 2022. Dr.G.Chandramohan, Principal, Dr. P.Vetrivelan, Associate Professor and Head, Dept. of ECE, and Dr. R Ramesh, Director IQAC accompanied the faculty and staff for the trip. Dr. P Chinnaraj, Assistant Professor, Dept. of Mathematics and Mr.M.Jothibasu, Assistant Professor, Dept. of ECE organized the trip after seeking necessary permission from the authorities concerned. About 58 faculty and staff went for the trip and visited Pine Forest, Shooting Spot, and Karnataka Siri Horticultural Garden. Dr G Chandramohan, Principal, wholeheartedly thanked the management for sponsoring the trip.

Trip to Ooty on 3rd Sep 2022

Gift by Management

In the recently released NIRF 2022, PSG Institute of Technology and Applied Research has secured the 124th rank among the 200 eligible colleges across India. As a token of appreciation, the management of PSG sponsored a gift worth Rs.2000/- to all the faculty members and staff members. On 30th Sep 2022, Dr. G Chandromohan, Principal, met the members of the faculty and staff of PSGiTech and PSG IAP individually in the respective department and distributed the gifts chosen by them. Principal, members of the faculty, and staff thanked the management for the kind gesture.

Dr G Chandramohan, Principal, PSG iTech distributing the gifts sponsored by the Management on 30th Sep 2022

Covid-19 Vaccination Drive

The Youth Red Cross (YRC) Society organized the Covid-19 Vaccination Drive in the college premises on 13th September 2022. The Deputy Director of Health Services, Coimbatore district, sanctioned 146 vaccines. Dr. G. Chandramohan, Principal, PSG Institute of Technology and Applied Research, inaugurated the camp. Dr. S. Gangadaran, Doctor, PSG iTech Medical Centre, and the medical team of PSG IMSR vaccinated the students, faculty, and their family members. Totally 146 faculty, staff and students from PSG iTech got benefited from this drive.

The principal appreciated the efforts taken by YRC volunteers and Dr. M. Sathiyanathan, YRC Programme officer, and Mr. Udayakumar, General Maintenance, for coordinating this event. He also thanked Dr. S. Gangadaran, MBBS, PSG iTech Medical Centre, and the medical team of PSG IMSR for their support.

Covid-19 Vaccination Drive held on 13th Sep 2022

Teachers Day Celebration - 2022

The Staff Club of PSG iTech organized Teachers' Day celebration on 5th September 2022. Dr.G.Chandramohan, Principal, welcomed the gathering and recalled the significance of celebrating teachers' day every year. Also, he explained how great teachers like Dr G.R.Damodaran helped to shape the lives of students with their sincerity and dedication at PSG Institutions. Dr.R.Arumuganathan, Professor, Dept. of Mathematics, PSG College of Technology, served as the Chief Guest of the Program and delivered a special lecture on "நானும்என்சாக்பீஸும்". After conveying Teachers' Day wishes to all, the chief guest shared some of his rich, interesting, and memorable experiences with students in decades-long teaching career and motivated the faculty members with inspiring examples from his professional life. Further, he appealed to all the faculty members to work with passion and celebrate this noble profession. Dr.P.V.Mohanram, Secretary, PSG iTech, delivered the felicitation address. Finally, Dr.P.Chinnaraj, Advisor, Staff Club, proposed the vote of thanks.

Dr.G.Chandramohan, Principal, and Dr.P.V.Mohanram, Secretary, PSG iTech presenting a memento to the Chief Guest Dr.R.Arumuganathan, Professor, Dept. of Mathematics, PSG College of Technology, during the teachers' day celebrations at PSG iTech on 5th Sep 2022

PSG Vaanavil Programme

PSG Vaanavil, a monthly lecture series on spirituality, literature, and health organized by PSG & Sons' Charities during the 4th Saturday of every month, was held on 27th August 2022 at PSG Tech. Dr. G. Chandramohan, Principal, PSG iTech, presided the event, which started with a musical performance by the iTech Music Club students. Ms.S.Lakshmipriya, Ms.K.B.Mirudhulaa, (III year BE EEE), Ms.M.Haritha (II BE ECE) and Mr.H.Harinandana (II BE EEE) recited few devotional songs, and Mr.R.K.Harikaran (II B.Arch) and Ms.Prathiba A.Nair (II BE ECE) rendered solo instrumental performances. The audience enjoyed their music. Later, students were felicitated by the chief guest Shri.J.Arul Prakash, Orator and Poet, who delivered a lecture on 'Aram Seiya Thirumbu'.

Students of PSG iTech along with the Chief Guest Shri. J. Arul Prakash, Orator and Poet and Dr. G. Chandramohan, Principal, PSG iTech during PSG Vaanavilon 27th August 2022

Music Programme for Army Veterans

Ten students ofiTech Music Club made Musical Performancesorganized for and by the Army Veterans at Kovai Army Officers Meeting hall, Red Fields on 18th Sep 2022. The performance included a variety of film songs in Tamil and English from 1960s till the recent ones. Few veterans joined the students in singing Tamil film songs. Later, students were felicitated by the Station Commander and All Ranks Station Headquarters, Coimbatore.

The iTech Music Club team performing at KAOMA, Coimbatore on 18th Sep 2022

Guest Lecture on "Why is my paper not getting accepted?"

A guest lecture by Dr. C. Balaji, Professor, IIT Madras on the topic "Why is my paper not getting accepted" was arranged on 14th September 2022 at Civil Seminar hall, PSGiTech. The nuances of research paper writing and scientific publication were explained by Prof. C. Balaji. A total of 57 faculty members from PSGiTech and six research scholars from PSGCAS and PSG Tech participated in the event.

Dr. C. Balaji, T.T. Narendran Chair Professor, Department of Mechanical Engineering IIT Madras

Students' Union Activities Inauguration

On 29th of September 2022, PSG Institute of Technology and Applied Research inaugurated their 6th students' union activities. The event was conducted successfully with chief guest Dr. G S Sameeran IAS, District Collector, Coimbatore. It was witnessed by Heads of the Departments, members of the faculty, staff, and students. The event was also live-streamed in YouTube and zoom.

Inauguration of students' union activities for the year 22-23

The event started by invoking the blessings of god, followed by Welcome address by Dr. G Chandramohan, Principal of PSG iTech in which he greeted the gathering and the chief guest warmly.

He also mentioned few of the notable achievements by the students in the academic year 2022-2023 till September. Followed by that, Dr.P.Vetrivelan Dean Students' Union introduced the office bearers for the current year. Dr. G S Sameeran IAS addressed the gathering with his motivational words. He also encouraged the college management to follow democratic approach of selecting the office bearers.

The chief guest encouraged the Students' union office bearers to work together as a team, listen from their fellow mates, and addressed their queries. A memento was presented to the guest of honour by Dr.G.Chandramohan and finally the vote of thanks was proposed by Subiksha M, Chairperson of the Students' Union.

Onam celebrations

Onam celebrations was held at PSG Institute of Technology and Applied Research on 21st September 2022. Floral design (Athapookkalam) was arranged by the students. 'PaladaPayasam' and banana chips were served for all the students and staff in the evening. Students wore the traditional dresses. The traditional dance form 'Thiruvathirakali' was showcased by a group of students. Many of the girls who performed 'Thiruvathirakali' were non-keralites and it was a very good experience for them. The dance was followed by solo singing, guitar performance, group dance and a group song. Students union was actively involved in making all the arrangement.

Onam celebrations

World First Aid Day

More than 5,000 school and college students in Coimbatore District set a world record on 10th September 2022, by demonstrating basic life support methods and recovery positions during critical conditions on the occasion of the World First Aid Day. This program was organized jointly by the district administration and NGO Alert, the Asia Book of Records judged the record attempt that was held on the Tamil Nadu Agricultural University campus. NSS volunteers of PSG iTech participated in Basic Life Support (BLS) world record event which was conducted by the TN Govt. at Tamil Nadu agriculture University Coimbatore. NSS PO, Dr P Chinnaraj has arranged and 56 NSS volunteers attended the event with NSS POs Dr. D. Thangaraju.

PSGiTech NSS volunteers perform the basic life support aid

Social Justice Day

NSS Programme Officer, Dr P Chinnaraj, Dr D Thangaraju and NSS volunteers of PSG iTech have gathered together on the special occasion of Social Justice Day on 17th Sep 2022 and administered the "Social Justice Day" Pledge. More than 50 NSS Volunteers have participated in the event.

PSGiTech took pledge on "Samooga Neethi Nal" on 17th Sep 2022

Campus Cleaning

As a part of the cleanliness drive, NSS club organized a campus cleaning program within our college campus on 21st September 2022. Nearly 53 NSS volunteers actively participated in this event. Shaping and watering the dried plants along with weed removal was the main agenda. Students from all departments contributed effectively and made this event really successful. Dr.P.Chinnaraj, NSS PO, organized the event.
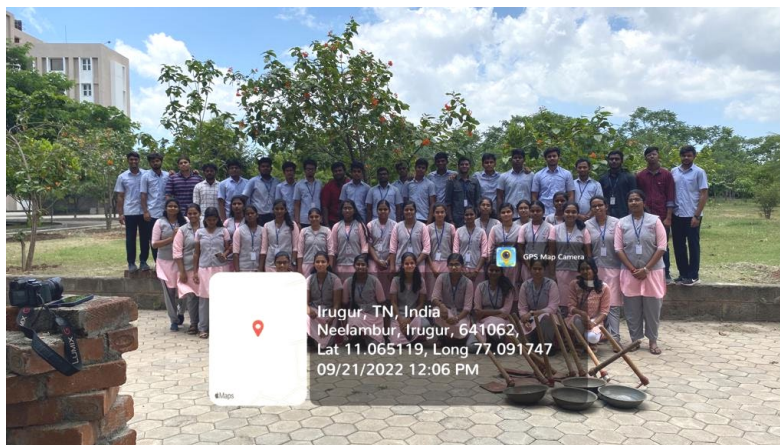
Campus Cleaning Program

Six Day FDTP on CS 8091 – Big Data Analytics

Anna University sponsored Online Six-day FDTP on "CS8091 – Big Data Analytics" has been conducted during 18th July to 23rd July 2022 at PSG iTech. First day of the FDTP was inaugurated and engaged by Dr RBV Subramaanyam, Professor, NIT Warangal on 18th July 2022. The inaugural session was presided over by Dr.G.Chandramohan, Principal, PSGiTech and Dr. R. Manimegalai, Professor and Head, CSE, PSGiTech. First day had four sessions on Big Data characteristics, Introduction to Hadoop, Map Reduce Computing and Big Data Mining.

The Second day of the FDTP had four sessions. Forenoon Session on Classification and Clustering algorithms was handled by Dr.Ebin Deni Raj, Associate Dean, IIIT Kottayam. Another forenoon session on Social Media Analytics was handled by Dr. P. Radhakrishna, CSE, NIT Warangal. Afternoon sessions on 19.07.2022 were handled by Dr. E. Suganya, Assistant Professor, SSN College of Engineering, Chennai on the topics Decision Trees and Introduction to Streams.

Forenoon Sessions of Third day FDTP on 20.07.2022 were handled by Ms. K. Sathya, Assistant professor, Coimbatore Institute of Technology, Coimbatore on NoSql Databases and Key Value Stores and Document Stores. Afternoon sessions on third day were handled by Ms. R. Thirumahal, Assistant Professor (Sl.G), CSE, PSG Tech on the topics Association Rule Mining and Evaluation of candidate rules.

Fourth day of the FDTP on 21.07.2022 had four sessions. Forenoon Sessions were handled by Dr. R. Latha, Assistant Professor (Sl.G), AMCS, PSG Tech on the topics Graph Data Analytics and Stream Data Management. Big data stream algorithms and applications and Real time streaming analytics were handled by Dr Sridevi U K, Assistant Professor Sl.Gr, AMCS/ PSG Tech during the afternoon session.

Fifth day of the FDTP on 22.07.2022 was handled by Dr. V. Bhuvaneswari, Associate Professor, Bharathiyar University. She handled the topics on R Basics, EDA, Unstructured Data Analytics using R, and ML models for EDA using R.

Final Day of the FDTP had Video Presentations by the participants, discussions, and a final test. Around 160 registrations were received for the program and out of which 40 people attended the sessions successfully.

Dr. G. Chandramohan, Principal presiding over the inaugural function of Six Day FDTP on Big Data Analytics held on 18th July 2022

iTech Hackfest 2022 – National Level Hackathon

iTech Hackfest 2022 – a national level Hackathon was conducted at PSG Institute of Technology and Applied Research for three days during 25th to 27th August 2022. This hackathon was organized by the Department of Computer Science and Engineering in association with SAP and Kaar Technologies. SAP Academy of Engineering sponsors the prize money of two lakhs, first prize – Rs.100000, second prize – Rs.75000 and third prize- Rs.25000 and Kaar Technologies has sponsored the event. Mr.Ferose.V.R., Senior Vice President and Head of SAP Academy for Engineering inaugurated the iTech Hackfest 2022 and delivered the inaugural address. Mr.Ferose explained the importance of perseverance and passion for a successful career and emphasized the advantage of having long-term view. He discussed about sustainability and long term thinking.

Students pursuing B.E/B.Tech participated as teams in this coding challenge. Around 125 teams, each consisting of three to five members, have registered for iTech Hackfest 2022 and more than 600 students actively participated in coding during these three days. In this 3-day Hackathon, the teams were given three themes to choose from: "One Nation Digital Commerce", "Sustainability" and "Diversity and Inclusion". The inaugural session was followed by the coding challenge and it continued till the second day. Experts from SAP, Kaar and PSG Institutions evaluated the 125+ teams and ten teams were selected for demonstration and presentation. The top ten teams were critically evaluated based on the following criteria: a) Code and Design, b) Innovation and Desirability, c) Usability, d) Demo and Presentation. After the final evaluation, the top three winners were declared on 27th August 2022.

Mr. Rahul Sachdev, Director – SAP University Alliance (India Subcontinent) has indicated that the teams securing top five positions will gain an opportunity to be part of the SAP Startup Studio program. Mr. Maran, CEO and Founder, Kaar Technologies has indicated that the top performers in the coding-challenge will be given job-opportunities at Kaar Technologies, Chennai.

The Convener of iTech Hackfest 2022, Dr.R.Manimegalai, Head - CSE, welcomed the gathering. Dr. G Chandramohan, Principal, PSGiTech, delivered the Presidential Address. Principal briefed about the importance of team work and design thinking to solve the problem in a better way and develop optimal solution.

Dr P V Mohanram, Secretary, PSGiTech appreciated the Department of CSE and the coordinators Lt.V.Vilasini, Mr.N.Aravindhraj, including student volunteers for their relentless efforts in successfully hosting the Hackathon at PSGiTech.

Mr. Avinash Singh, Senior Engineer at Ktern.AI talked about "Principles of Sustainable Software Engineering". Mr. Jayanth Bagare, Chief Development Architect at SAP Academy for Engineering interacted with the participants and cleared several queries and clarifications raised by the students regarding the coding challenge. The valedictory function of iTech Hackfest was conducted on 27th August 2022 at 3 pm and the winners were announced. Chandrakanth. A, Nithiish.V.K, Krishna Kireeti. T, Harinath.B, Arul Sathya. R, of Rajalakshmi Engineering College bagged the first prize as cash award of Rs. 1 Lakh. Bennett Joseph D, Venkat P R, Srirangan K, Siddeshwar V A, Vishnuvasan T S of Sri Venkateswara College Of Engineering won the second prize of Rs. 75,000 and Rohith ND, Sudiptha A, Aparna J, Mukesh K, Vignesh Kumar of Amrita Vishwa Vidyapeetham got the third prize of Rs. 25,000. Lt. V. Vilasini, AP (Sr.G) / CSE and Mr. N. Aravindhraj, AP/CSE, Coordinators of the iTech Hackfest 2022 closed the event with the formal vote of thanks.

Principal and Secretary, PSGiTech presenting a memento to the chief guest during iTech Hackfest 2022

First Prize was secured by Mr Chandrakanth A, MrNithiish.V.K, Mr Krishna Kireeti T, Mr Harinath.B, Mr Arul Sathya R of Rajalakshmi Engineering College

Smart India Hackathon 2022

The internal hackathon was conducted for SIH 2022 at PSGiTech. Twenty teams presented their ideas and prototypes. A ranking was given for the presentations made and top 15 teams were allowed to go for the idea submission in Hackathon 2022 and five teams were waitlisted. The final selection was done by SIH and 3 teams entered the Grand Finale of Smart India Hackathon 2022, which was held during 25th to 27th August 2022. Team Maverickkz and Team Hack at Ease won the title as Winners and a cash price of one Lakh each. Team Maverickkz developed a system to detect the originality of NCERT books in the finals held at Hubli. Team Hack at ease developed an Adaptive Learning system for specific user needs in the finals held at Telengana.

First Place Winners

Team Leader	Rathan Aswath S	Team Leader	Surrvesh K S
Team Member 1	Jisnu S	Team Member 1	Sankari R K
Team Member 2	Dharaneesh J D	Team Member 2	Ramya A
Team Member 3	Prernna N	Team Member 3	Devadarshini M
Team Member 4	Carol S	Team Member 4	Deepthi T S
Team Member 5	Snehal Jain	Team Member 5	Prince Jacob S
Team Mentor 1	Dr. Maha Vishnu V C	Team Mentor 1	Lt. Vilasini V
Team Mentor 2	Mr. Ajith Jerom	Team Mentor 2	Ms. Jeyashree A

Team: Maverickkz- Students from II BE CSE

Team: Hack at Ease - Students from II BE CSE and II BE EEE

**Two Days Faculty Development Program on "Cyber Security and Digital Forensics"**

A Two-day Faculty Development Program on "Cyber Security and Digital Forensics"was organized on 01st and 02nd Sep 2022 by the Computer Society of India, PSGiTech in association with CSI Coimbatore Chapter. Mr.Maharaj M, Director, M/s Josh Technologies FZE, United Arab Emirates, Block chain & Cyber security Consultant served as the resource person for the event. Dr. R. Manimegalai, Professor and Head, Department of CSE, welcomed the resource person and the participants from other institutions. Dr.G.Chandramohan, Principal, delivered the presidential address. Totally 47 faculty members have attended the event. The speaker gave a detailed overview about the trends in Cyber Security and Digital Forensics. It helped the faculty to do research on Cyber Security and Digital Forensics. Dr.D.Sivaganesan, Professor / CSE, the co-ordinator of the event proposed the vote of thanks.

Inauguration of Two Days Faculty Development Program on Cyber Security and Digital Forensics held on 01st Sep 2022

Value Added Course on "Machine Learning and Predictive Data Analytics"

The Department of CSE organized a Value Added Course on "Machine Learning and Predictive Data Analytics" from 5th to 7th September 2022. It was coordinated by Dr. I. Kala, Associate Professor, Dept. of CSE. Dr.Uma Maheswari B, Associate Professor, PSG Institute of Management, Coimbatore, and Dr.Sujatha R, Associate Professor, PSG Institute of Management, Coimbatore were the Resource Persons. The session was started with a welcome address by Dr.R.Manimegalai, Head of Department, CSE. The session started with a basic introduction to python libraries namely NumPy, pandas etc.,. The Resource Persons introduced various supervised and unsupervised machine learning algorithms. Totally 61 students and 3 Faculty members benefited through this value added course. The practical sessions in Anaconda and Jupiter Notebook were more useful to the participants.
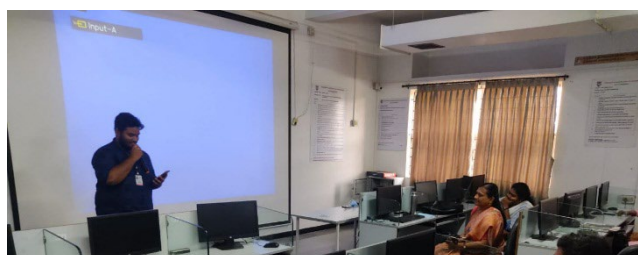
VAC on "Machine Learning and Predictive Data Analytics" held on 05th Sep 22

Webinar on "Scope and Role of GATE for Engineers"

A webinar on "Scope and Role of GATE for Engineers" was organized as Talk-13 under Bits, Bytes & Packets, Department of CSE, PSG iTech in association with ISTE Students' Chapter on 21.09.2022. A cumulative of 122 students, in offline and online modes, of various engineering colleges in Tamil Nadu attended the event which was handled by Prof. John Jose, Associate Professor, Indian Institute of Technology, Guwahati. He has established an association with PSG iTech through student internships, Faculty Development Programmes, and lecture series in the area of Computer Architecture. Dr. R. Manimegalai, Head, Department of Computer Science Engineering welcomed the gathering with a brief note on the need of the webinar.

His talk contained two sections. In the first section, he covered the importance of GATE for entry into higher studies and jobs in various central government sectors. The second section focused on the method of preparation for the GATE exam for CSE, EEE, ECE, Civil, Mechanical and Agricultural Engineering branches, subjects of importance in each branch and question pattern. The participants interacted with the resource person at the end of each section. The event was coordinated by Ms.V.Vilasini, Assistant Professor (Sr. Gr.) and Ms. K. Lakshmi Kalpana Roy, Assistant Professor (Sr. Gr.), Department of CSE and concluded with the formal vote of thanks.

The participants of the webinar on Scope and Role of GATE for Engineers with the coordinators

Talk on "How to set off for higher studies and placement preparation ?"

The Department of Computer Science and Engineering organized a talk on "How to set off for higher studies and placement preparation?" on 28th September, 2022 for II and III Year CSE students. The resource person was Mr. K. Hariharan (Alumni 2015-19 Batch), who is pursuing MBA (International Business) at IIFT Delhi. The talk on higher studies and placement preparation helped the participants to understand the preparation strategy, resume preparation, handling situations inside the interview hall, and the ways to balance higher studies and placement preparation. The total number of participants for the talk was 100.

A talk on "How to set off for higher studies and placement preparation?" held on 28ᵗʰ Sep 22

Online Workshop on "Machine Learning using Python"

The Department of CSE, PSG iTech conducted one-day online workshop on Machine Learning using Python in association with Computer Society of India (CSI) on 20ᵗʰ September 2022. The Session was engaged by Mr. Arunjit Chowdhury, CEO, Enterprise Building Training Solutions, Mumbai. He briefed about evolution of Artificial Intelligence, real time examples for Machine Learning and Analytical Tools and Technologies. Further, he explained the supervised, unsupervised and reinforcement learning techniques. Also, he explored the framework of supervised learning with practical examples and demonstrated the house price prediction techniques with prepossessing methods such as missing values, normalization, and feature scaling. His insights on Training and testing phase in prediction model were useful. Totally 62 students from second year CSE participated in the Workshop. Finally, the resource person Mr.Arunjit Chowdhury, CEO, Enterprise Building Training Solutions, Mumbai demonstrated the house price prediction problem using Python.
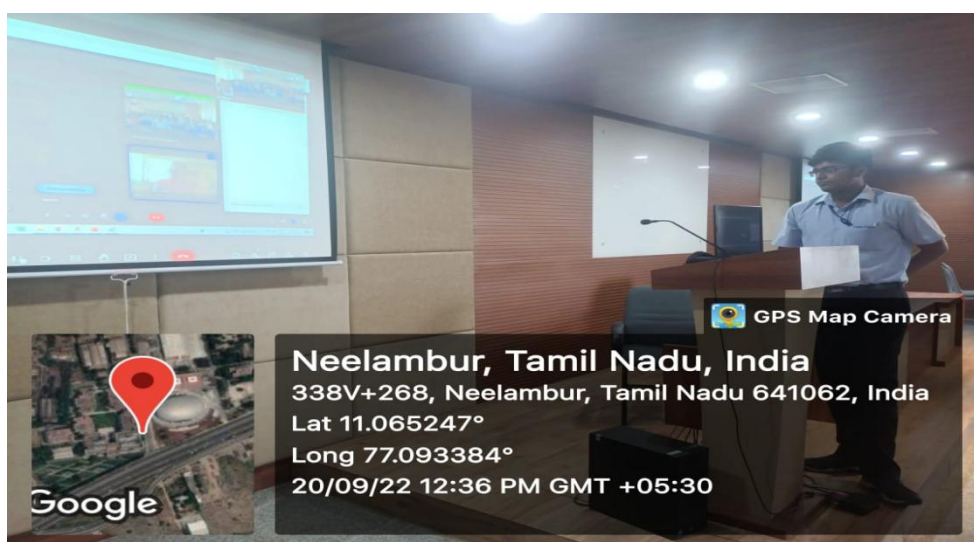
Mr. Praveen Kumar of Second Year CSE answered the queries raised by the resource person, Mr Arunjit Chowdhury, CEO

International Seminar on "Robotics and Automation"

The Department of Mechanical Engineering organized an International Seminar on "Robotics and Automation" on 13th August 2022. The seminar was delivered by Dr.Adam Slota and Dr.Stanisław Krenich, Cracow University of Technology, Poland. A total of 43 students from PSG iTech, 5 faculty members from Department of EEE, PSG iTech and 4 faculty members from Department of Robotics and Automation, PSG College of Technology attended the seminar. The experts delivered lectures on the topics "Robotics and Automation for Industry 4.0" and "Robotics Simulation". Finally, after the seminar, faculty members interacted with the experts for possible collaborations, joint publications, and projects. Students discussed the opportunities in Poland and other European countries.

Seminar on "Robotics and Automation for Industry 4.0" by Dr. Stanisław Krenich

Two Weeks ATAL FDP

AICTE Training & Learning (ATAL) Academy Two Weeks FDP on Integrated Active Teaching - Learning Pedagogical Approaches for Enhancing Focused Outcome Based Engineering Education was organized by the Department of Mechanical Engineering and Centre for Teaching-Learning Practices / PSG iTech. In this Programme, 14 Technical Sessions were held, 34 External and Academic Participants were participated. Session-wise Interactions, one industry visit and its interactions, reflection Journal and its relevant interactions were also conducted in this programme.

Week I was held in the On-Line Mode and Week II was held in the Off-line Mode. In the Off-line mode, Dr.R.Rudramoorthy, Director, PSG Center for Academic Research & Excellence (PSG CARE), Coimbatore was the Chief Guest and Dr.Mamta Rani Agarwal, Advisor-I, AICTE, New Delhi was the Guest of Honour and both of them addressed the participants and motivated them in carrying out the effective teaching-learning process for focused Outcome Based Engineering Education.

Dr.N.Saravanakumar, HoD / Mechanical Engineering, PSG iTech was the Convener of the programme. The Programme was coordinated by Dr.D.Elangovan, Professor/Mechanical Engineering, PSG iTech, Co-Coordinated by Dr.K.Balaji, Assistant Professor (Sl. Gr.) / Chemistry, PSGiTech and with the help of the Organizing Committee Members Dr.K.Senthilkumar, Associate Professor, Department Of Mechanical Engineering and Mr.S.Ezhilarasan, Junior Assistant, Stores – PSG iTech
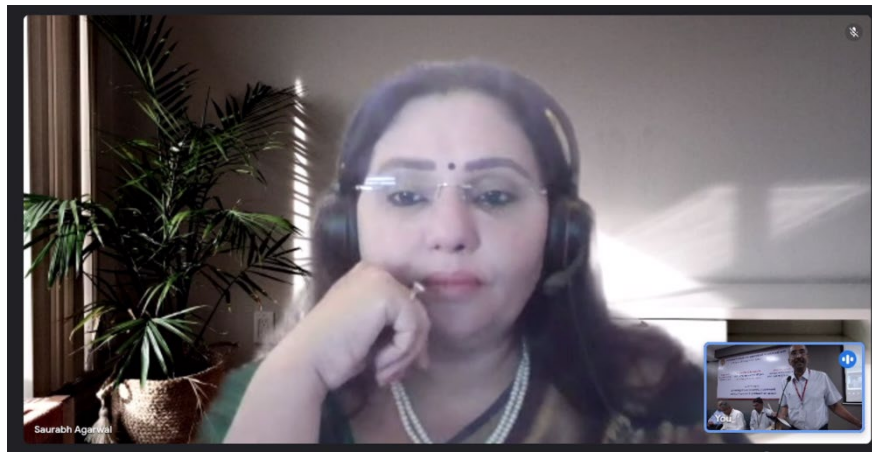
Photograph with Professor. Dr. Mamta Rani Agarwal

Principal and Secretary presenting a memento to Dr R Rudramurthy, Director, PSGCARE during ATAL FDP

"Survey Camp 2022"

As a part of Anna University Regulation 2017, the Department of Civil Engineering conducted a Survey camp for 3rd year Civil Engineering students during 15.09.2022 to 17.09.2022 at PSG Academic Centre, Anaikatti. Totally, 61 (45 boys + 16 girls) students were stayed during the camp period and carried out the following experiments:

    1. Traverse - using Total station
    2. Contouring
    (i). Radial tachometric contouring - Radial Line at Every 45 Degree and Length not less than 60 Meter on each Radial Line

(ii). Block Level/ by squares of size at least 100 Meter x 100 Meter at least 20 Meter interval.

(iii). L.S & C.S - Road and canal alignment for a Length of not less than 1 Kilo Meter at least L.S at Every 30M and C.S at every 90 M

3. Offset of Buildings

4. Use of GPS to determine latitude and longitude and locate the survey camp location

5. Traversing using GPS

The Survey was camp coordinated by Dr.R.Rajkumar, Mr.K.Sakthiprasanth and Mr.P.Balakumar.

Survey Camp - 2022

Launch Ceremony of Google Developer Student Club

For the first time ever in PSG iTech, the Google Developer student Club was launched on 21st September 2022. The Product strategist at Kellton and Co-organizer of GDG Coimbatore, Mr. Siddarth Kengadaran was honored and welcomed as the keynote speaker for this session. The session started with the prayer song and followed by the chief guest address. The induction of office bearers and the clear roadmap of the upcoming events planned for this club were discussed. The inauguration helped the young minds of our college by throwing light on the importance of building the most effective community with the motive to grow and help others grow together. This session gave more insights on Moral Proscriptions and Shared Values in a community. The six principles on how to build an effective and fruitful community was beautifully explained by the speaker. The session ended up by extending the gratitude for making the inauguration a historic one.

Dr. P Vetrivelan, HoD, ECE , Dr. R Manimegalai, HoD, CSE, Dr. Reba P, Faculty Advisor, GDSC Club, Mr. SiddarthKengadaran Product strategist, Kellton and Co-organizer of GDG Coimbatore along with the office bearers (lead and co-leads) of GDSC Club - PSGiTech

Arduino Mini Project Contest 2022

Arduino Mini Project Contest 2022 was held on 7th Sep 2022.The major objective of organizing this exhibition was to provide a platform and unleash the students' potential by showcasing their innovative projects developed in the first year focusing on real-time issues and providing an opportunity for the students to demonstrate their learning experience. The project expo intended to showcase the project at its highest level and boost students' self-confidence.

The expo was convened by Dr. P Vetrivelan (HOD-ECE) and was organized by faculty coordinators Ms. M. Sowmiya, AP-ECE and Ms. D. Archana, AP-ECE. The panel members were the alumni of PSG iTech, Mr. S Suganth, Associate Automation Developer PwC, Bangalore, and Mr. V Sanjay Kumar, Associate Software Engineer, Bosch Global Software Technologies, Coimbatore.

Project Prototypes prepared by students focused on real-time problems. 51 Students participated in the Project Expo and 20 projects were displayed. This exhibition gave the participating students a distinctive platform to share their ideas and novel experiences with the community. Points for the projects were awarded considering various factors like the novelty of the project, technology used, way of presentation, and capability of answering queries. Faculty members and students from various disciplines visited the expo and learned about the innovative ideas presented by the second year students of ECE. After reviewing each project, the three outstanding projects were selected and the Principal and the panel members awarded the winners.

Before the vote of thanks, the principal congratulated all students and faculty coordinators for their effort. Students were congratulated for their active participation by the tutors. At the end of the event, panelists, students, and faculty coordinators posed for a group portrait. The entire event carried away the theme of Innovation starting with Initiation. Students gained a lot of experience and discovered how to enhance their presentational skills.

Prize winners List:

S.No.	Name of the Students	Project Title	Prize
1	Kishore C Prasanna Kumar K Thanuj R	WAC 1.0	I
2	Miruthula P V Shree Harini K	Lush Aura and Automated Wi-Fi Car	II
3	Deepesh M Ashwin Balaje T P Balamurugan M	Hydroz	III

Students explaining their projects during Project Expo

Guest Lecture on Electric Vehicles – Challenges in Indian Scenario

IEEE Student Branch, PSG iTech conducted a Guest Lecture on "Electric Vehicles-Challenges in Indian Scenario" on 21/09/2022. Mr Mhanoj C M, Assistant Manager-Supply Quality Assurance Bajaj Auto Limited, Aurangabad and alumnus of 2015-2019 batch B.E. Mechanical Engineering was the speaker. Around 80 students (III year B.E. ECE and EEE) participated in this session. Being a prolific speaker, he gave an authentic speech on electric vehicle(EV). He started the speech by briefing about the history of EV. Also he gave an overview about the working of EV. He then explained about the various types of EV i.e., hybrid EV, battery EV, plug in hybrid EV. He compared the EV with normal commercial vehicles with internal combustion engines vehicles. He then gave us an outline about battery packaging system and battery management system in EV. After that he gave a clear explanation of EV by describing the example of Tesla's EV. He concluded the speech by mentioning the importance of EV as a need of the hour by describing various economic and environmental parameters. Dr.Santhanamari G, Associate Professor, ECE department, concluded the seminar with the vote of thanks.

Presenting Memento to MrMhanoj C M, Assistant Manager-Supply Quality Assurance Bajaj Auto Limited, Aurangabad and alumnus of 2015-2019 batch, B.E. Mechanical Engineering

One-day webinar on "IEEE-Empowering Students and Professionals"

The Department of EEE and ECE in association with the IEEE Student Branch of PSG iTech jointly organized a one-day webinar on "IEEE-Empowering Students and Professionals", on 28/09/2022. The chief guest was Dr. K. Porkumaran, Chairman –IEEE Madras Section &Principal, Sri Sai Ram Engineering College, Chennai. With keen interest to share the information on how IEEE is empowering students and professionals, the guest speaker gave an overview of IEEE organization, presented the benefits of student and professional memberships and the elevation of membership status.

He also gave an overview of IEEE technical societies, affinity groups like Young Professionals (YP), Women in Engineering (WIE), Sections, Council, International conferences transactions, journals, and magazines. Before concluding the session, the speaker discussed the competition exclusively for students available in IEEE. He also insisted the students to join IEEE as student member and learn the new technologies, interact with peers, collaborate, and innovate for the benefit of humanity. Students of II & III year EEE and ECE departments attended the webinar. After attending the webinar 26students showed their interest to join IEEE as student member.

Webinar on IEEE-Empowering Students and Professionals

Inaugural function of Association of Civil Engineering

The Inauguration of Association of Civil Engineering was organized on 05.09.2022. Ms. R. Meeramahalakshni, III BE Civil Engineering, commenced the ceremony with delightful prayer song. Dr M I Abdul Aleem, Head of Department of Civil engineering, welcomed the gathering. Ms.K.Govarthanambikai, Asst. Professor, Dept. of Civil Engineering, introduced the office bearers of Association of Civil Engineering. Ms. M.Subiksha, IV BE Civil Engineering conferred the year plan of 2022-23. Mr.K.Muneeshwaran, IIIBE Civil Engineering welcomed the chief guest and given an account about his achievements.

The Chief Guest Er.T.ThilakRanjith, Proprietor,& Principal Consultant, TR Associates, Coimbatore explained about the slam based lidar technology and water bodies or cadastral survey using drone based technology. He encouraged the students to do a project on case studies of Encroachment River. He described the importance of planning parameter of non-high rise building with parking requirements and presented his achievements as a consultant.

Later, certificates were distributed for the office bearers of Association of Civil Engineering 2021- 2022 by the Chief Guest. Ms. M.Subiksha, Final year of Civil Engineering proposed the vote of thanks.

The Inauguration of Association of Civil Engineering was held on 05.09.2022

Inauguration of CSE Association

The Department of Computer Science and Engineering, PSG iTech has inaugurated the Computer Science and Engineering Association(CSEA) for the academic year 2022-2023 on 28th September, 2022. Mr. Navaneeth Malingan, Founder & AI Lead at Nunnari Labs, Head of Coimbatore AI Community, Lead - Tensorflow, Google Developer Groups, Coimbatore was the Chief Guest of the ceremony. The inaugural ceremony was commenced by seeking blessings from the Almighty. Ms. Susmeta A President, CSE Association delivered the welcome note to the attendees. Dr. I Kala, Faculty Advisor, CSE Association introduced all the Office Bearers of CSEA 2022 - 2023.

The respected chief guest Mr. Navaneeth Malingan was felicitated by Dr. R Manimegalai Head, CSE,PSG iTech. Mr. Sai Santhosh S Secretary, CSE Association presented the Yearly Report, and Plan of Action for the current academic year. Ms. Ashika V Joint Secretary, CSE Association gave a brief introduction about the Chief Guest. The Chief Guest Mr. Navaneeth Malingan delivered the Inaugural Address. He detailed on his personal experiences where he has an experience of over six years in the Machine Learning, Computer Vision, and Internet of Things and Full Stack web development where he researched and developed an end-to-end ML and IoT solutions from the edge to the cloud, leveraging the power of data and connectivity. He kept the entire session informal and mainly interactive. This inauguration was smoothly taken forward by MoCs, Mr. Dharaneesh J D Treasurer and Ms. Nethra Chezian, Public Relation Officer, CSEA. Finally, Mr. Yuvanesh J Joint Secretary, CSE Association proposed the Vote of Thanks.

Inauguration of CSEA 2022-2023 held on 28th September, 2022

Inaugural function of EEE Association

The inauguration of the Electrical and Electronics Engineering Association (EEEA) was held on 21.9.2022. The second and third-year EEE students and faculty members attended the event. The final-year student (2019-23 Batch), Ms. Sanjana Chelot Menon, Chairman of EEEA, welcomed the gathering. Dr. C. L. Vasu, Professor and Head, Department of Electrical and Electronics Engineering, delivered the felicitation address. He advised the students to plan and conduct more activities, with the guidance of faculty members and the EEEA coordinator. He also mentioned that the student's academic performance and other achievements are acknowledged in the meeting so that all faculty members and students are aware of them.

The chief guest, Mr. P. Manikandan, Founder and CEO of Greenerg Mobility Solutions Pvt. Ltd., Neelambur, Coimbatore, inaugurated the Electrical and Electronics Engineering Association. He shared his experience in Electrical and Electronics Engineering: Past, Present, and Future. Mainly, he explained the history of electric vehicles. He mentioned that as an electrical engineering student he had studied interdisciplinary courses such as thermodynamics, basics of civil and mechanical engineering, etc., in their curriculum. He urged the students to learn and understand the engineering sector's economic side to become successful professionals. He also advised the students to acquire knowledge and skills in power electronics, programming in AI & ML, embedded systems, and data science to compete in the future. The second and third-year EEE students interacted with the chief guest. Students Mr. K. Athul Krishna (II-EEE) and Ms. N. Varsha, handed over the memento to the Chief Guest. The final year student, Mr. Gowtham G G, Secretary, EEEA, presented the activity plan for the academic year 2022-23, and he also mentioned that the activities done by their seniors helped them in their placements. Third-year student, Ms. R Reshma, Treasurer, EEEA, proposed the vote of thanks.

The inauguration of the Electrical and Electronics Engineering Association (EEEA) was held on 21.9.2022

Inauguration of ECE Association

The Department of Electronics and Communication Engineering of PSG Institute of Technology and Applied Research inaugurated the Electronics and Communication Engineering Association (ECA) activities for the academic year 2022-2023 on 19.9.2022. Ms.Aarthi Natarajan, Project Manager Capegemini Engineering, Coimbatore was the chief guest. The event began with a prayer song followed by a welcome address, delivered by Srivarsa T of third year (Joint Secretary, ECA). Dr. P Vetrivelan, HoD of ECE introduced the newly selected office bearers for the academic year 2022-2023. Followed by this, plan of action was proposed by Mr. Colin Rolance D, President of ECA and Ms. Harshini A, Secretary of ECA. Some of the proposed plans of ECA are: (i) To encourage intra and inter department projects and competitions, (ii)To create a social page for ECE Association (iii) To create a collaborative group for higher studies (iv) To form a community for the students aiming for IT product companies (v) To conduct periodic tests, interactive placement sessions, mock interviews by getting guidance from seniors students (vi) To conduct Yukta:, workshops and guest lectures (vii)To create a forum to clear doubts and for placement guidance.

Followed by this, Principal Dr.G.Chandramohan, delivered felicitation address where he highlighted the importance of timelines, level of tolerance, NAAN MUDHALVAN scheme, GATE coaching and placements. He also encouraged the students to take the psychometric tests offered under the NAAN MUDHALVAN scheme. The chief guest Ms.Aarthi Natarajan shared her experience and gave a brief explanation on what a 'product validation' is and its importance. She also briefed on the importance of skills, timelines, difference between product and service based companies, New Product Development, Product development process, testing, Project management and project models, Validation (V-model), verification, types of testing, testing environment, future market trends and Industry 4.0.

The session was interactive and questions put forth by the students were answered elaborately. Certificates were distributed to the students who exhibited their projects during iTech Expo event by the Principal, the HOD and the ECA Faculty advisor Dr .M Jayasanthi, ASP-ECE. The event concluded with a vote of thanks by Bharath Ram K Vice-President of ECA from 3rd year ECE.

Chief Guest along with Principal and HoD distributing certificates to the students

PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

Quarterly Report (Oct to Dec 2022)

Events Organized:

Fourth Graduation Day Ceremony:

PSG Institute of Technology and Applied Research conducted the Fourth Graduation Day Ceremony on 14.10.2022 at PSG Convention Center, Neelambur. Shri L.Gopalakrishnan, Managing Trustee, PSG & Sons' Charities, welcomed the gathering. He congratulated the 25 Anna University Rank Holders and all the 349 graduates, who received their degrees. While outlining the growth of PSG iTech, he recalled the philanthropic vision behind the establishment of the trust, which was created essentially to serve society. He emphatically stated that PSG iTech will always remain an intellectual home for the students and urged them to feel confident in life and embrace all the new opportunities in their future endeavors. Also, he appealed to all the graduates to develop life skills such as adaptability skills to encounter any kind of challenge in their lives. Chief Guest Shri. G. A.Srinivasa Murthy, Outstanding Scientist and Director, Defence Research and Development Laboratory (DRDL), Hyderabad along with Shri.L.Gopalakrishnan, Managing Trustee, Dr.P.V.Mohanram, Secretary, Dr. G Chandramohan, Principal, and Heads of the Departments, honored the Anna University Rank Holders. All the rank holders received their degrees along with their parents. Later, the Managing Trustee administered the graduation day pledge to all the graduates.

Shri.G.A.Srinivasa Murthy, in his commencement address, congratulated all the graduates, their parents, and members of the faculty, for their tireless efforts and success. While speaking about the origin and evolution of PSG Sons' and Charities, the chief guest praised the steadfast commitment of the PSG Trust towards offering quality education for all for the development of the nation. He also appreciated the management for providing the state-of-the-art infrastructure and the commitment of the faculty members. Further, he pointed out that students should realize their fullest potential and take tremendous effort to make their dreams come true. He quoted the popular slogan of Swami Vivekanandha: Arise, awake, and stop not till the goal is reached and explained how the minds of young graduates should be dynamic and stay positive irrespective of the situation. Later, alumni interaction was organized to offer space for interaction among the present students and the graduates. As part of the graduation day, alumni meeting was organized in the evening with a musical performance by the iTech music club.

Ms.B.Malavika, who secured the first place in the Anna University Exam is receiving Degree Certificate from the Chief Guest Shri.G.A.Srinivasa Murthy, DRDL, Shri.L.Gopalakrishnan, Managing Trustee, PSG Sons' and Charities, Dr.P.V.Mohanram, Secretary, and Dr.G.Chandramohan, Principal, Dr.M.I.Abdul Aleem, Head, Dept. of Civil are also present during the Fourth Graduation Day held on 14.10.22.

Fourth Alumni Meet

The Fourth Alumni Meet was conducted on 14th October 2022 at the Mechanical Seminar hall. Hundred and Tenty alumni from various batches, and their parents attended the meeting. Chief Guest for this event was Mr.K.Veluswami, CEO, Marks Engineering Works, Coimbatore, Heads of Departments, and faculty members were present. The event started with a prayer song by Ms. K B Mirudhulaa (III-EEE).

Principal, Dr.G.Chandramohan welcomed the gathering. He mentioned that PSGiTech had secured a NIRF rank of 124 in 2022 among the 6000-plus institutions in India and AU Rank of 5 among the 490-plus engineering colleges in Tamilnadu. He also stated that PSG iTech has 17 start-ups. He encouraged the alumni to connect with each other to share their knowledge. Mr. Bharath Arun (2014-18 Batch EEE), and Joint Secretary, PSG iTech Alumni Association, introduced the chief guest.

The chief guest, Mr. K Veluswami, an alumnus of PSG College of Technology, appreciated the PSG Management for the construction of the auditorium, which has become one of the landmarks of Coimbatore. Also, he stressed the importance of alumni connection after graduation. He proudly mentioned that he was the first graduate in his village. He stated that Coimbatore has many small-scale startups and entrepreneurs, and 60% of the rocket parts are made in Coimbatore. Later, he spoke about his career journey from being an ordinary employee of a company to becoming the CEO of the same company. He insisted the audience to take risks in professional life for limitless success and compared it with the lives of Elon Musk, Jack Ma, Falguni Nayar, and Bill Gates.

Secretary Dr.P.V.Mohanram in his speech, encouraged the alumni to go on tours for more social interactions. Later, the Chief Guest, Principal, and Secretary handed over the Best Final year Project Awards to the top two project teams in each branch of the 2017-21 Batch.

Ms.Roshini (CSE) and Mr.Ganesh (Mechanical) from the 2017-21 batch thanked the college management for providing wonderful facilities and encouragement during their study. Mr.Navaneetha Krishnan S U (2014-18 Batch Civil), President of PSG iTech Alumni Association, proposed the vote of thanks. He thanked all the alumni, parents, faculty, and staff members. The event was a grand success.

Fourth Alumni Meet held on 14th October 2022

Principal also thanked the iTech music band guided by Ms. Lakshmi Kalpana Roy, Assistant Professor, CSE, for their extraordinary performance. He appreciated Dr. Sathiyanathan M, Faculty Coordinator, PSG iTech Alumni Association, for coordinating the alumni activities of all the batches. Dinner was arranged for all the invitees.

Installation of Rotaract Club

PSG iTech, in association with Rotaract Club of Coimbatore Saicity, installed the Rotaract Club on 15th October 2022 in the presence of Principal Dr. G. Chandramohan, President of Rotary Club of Coimbatore Saicity Rtn. Ramesh Chandrakumar, Rtn. Myilsamy R, District Director - Zone 5, RID 3201, Dr. Mini Vasudevan, Founder and Managing Trustee, Human Animal Society (HAS), and various other members of Rotary and Rotaract clubs across the Coimbatore district. The idea behind the inception of the Rotaract Club at PSG iTech is to hone the soft skills and managerial skills of the students beyond academics and help them become socially responsible citizens. Earlier, members of the club along with the dignitaries planted saplings as a mark of inception.

Rtn. Ramesh Chandrakumar, President, Rotary Club of Coimbatore Saicity, welcomed the gathering and thanked the management for installing Rotaract Club at PSG iTech. Also, students were told how to help the socio-economic conditions of the people around everyone and extend all possible help for the needy people and vision for the Rotaract year 2022-23. Rtr. Aghil and Rtr. Abhijeet, Group 3 Representatives, Rotary International District 3201, administered the Rotaract Pledge for the newly-inducted members of the club and listed various benefits of joining the Rotaract like building friendships and developing a social network. Further, they stated the transformative capacity of the club and appealed to the members to contribute holistically.

Dr. Mini Vasudevan, Founder and Managing Trustee, HAS, shared her insightful thoughts on how animals are being tortured by humans in different forms. She shared her knowledge on animals' psychology and their reactions towards human action. She also requested students to support, protect, and safeguard the animals.

Speaking on the occasion, Rtn. Myilsamy R., Club advisor, Rotaract club of PSG iTech and District Director. Zone 5, RID 3201 (Special Invitee) stressed the importance of managing time with examples and introduced various Rotaract Club members in the city to help students familiarize themselves and partner with other clubs for organizing fruitful events. He extended his wishes to all new office bearers and listed various projects undertaken by Coimbatore Saicity like Gift of Life, Sastra, Tree Plantation, Sai Care for cancer patients, and Blood Donation. He also appreciated the PSGiTech Team for choosing the theme of Women Empowerment for this Rotaract Year.

Dr.G.Chandramohan, in his address, reinstated the vision of PSG "Let there be charity so that others may share my family's prosperity" and urged the young students to extend their selfless service to society. Also, he shared the achievements made by PSG iTech students in co-curricular and extra-curricular activities.

Particularly, he appreciated the design of the agenda, which exemplifies the time management skills of the club. While talking about the greatness of the club, he stated that happiness comes not by getting but by giving. He also appealed to the members to organize productive events for the larger benefit of the student community and explained the significance of the name *Navya*, which means bringing prosperity to the students and the surrounding environment. Also, he emphasized the need for organizing programs like national integration, cultural values, and personal finance for developing responsible and selfless citizens of the country. Finally, the Installation was called to order after the vote of thanks. Student Representatives of the Rotaract Club of PSG iTech:

- Rtr. A Susmeta – IV Year CSE, President
- Rtr. Rama Lakshmi S – IV Year ECE, Vice President
- Rtr. S Rathan Aswath - III Year CSE, Secretary
- Rtr. Sri Harini N - II Year Mech, Joint Secretary
- Rtr. Jisnu S - III Year CSE, Treasurer

Dr. G. Chandramohan, Principal, along with other dignitaries and newly inducted office bearers during the Installation Ceremony of Rotaract Club at PSG iTech on 15.10.2022

Industry Academia Conclave - 2022

PSG Institute of Technology and Applied Research, in association with Industry Institute Interaction Cell and Institution's Innovation Council, organized a two-day Industry-Academia Conclave on 17th and 18th October 2022 at PSG Convention Centre. Dr G Chandramohan, Principal, welcomed the gathering and stated that such conclaves help academia to interact with experts from various industries to identify the needs and latest updates on front-end technologies.

Further, he shared that theme-based technical talks have been arranged for all five departments to make students understand the latest developments, potential demands, and expectations. Also, he thanked the heads of the departments and members of the faculty for identifying the experts and making necessary arrangements. He requested the students to focus on their studies and gain more knowledge beyond the classroom.

Inaugurating the Industry-Academia Conclave 2022, Mr Vivekanandah, Director, Tata Electronics Private Limited, Tamil Nadu stated that 90% of the products come from institutional labs and incubation centers, which indicates the strong collaboration between academia and industry. He lamented that vocational skills are largely missing in Indian academia, which plays a crucial role in making students develop the practical knowledge and skills required to execute a task efficiently. At the same time, he made an appeal to all the students to develop interpersonal skills, problem-solving skills, analytical skills, and soft skills. While answering a question raised by a student, Mr. Vivekanandah said that the ability to solve problems starts from one's home and asked the students to dream big and visualize the objects, which they intend to design and develop in the laboratories. The inaugural session ended with a question and answer session. Around twenty experts from various industries like cyber security, automotive technology, construction management, electric vehicles, embedded systems, and future mobility-aerospace interacted with students and faculty from various departments.

Some of the experts include Dr C S Nanda Kumar, Senior Expert, Vehicle Systems Engineering, Bosch Global Software Technologies, Er B Suresh, All India Technical Head, Technical Services Department, Chettinad Cement Corporation Pvt. Ltd, Ms.P.Dhanalakshmi, Senior Director, Malware and Research Intelligence Cycle, Dr.Anabalagan Thangavel, Technical Project Manager, Robert Bosch Engineering and Business Solutions Ltd, Mr.Rathnakumar Nagarajan, Co-Founder and Executive Director, Kaar Technologies. Students from Second, Third, and Final Year along with all faculty members participated in the two-day event (17th and 18th October 2022)

Mr Vivekanandah, Director, Tata Electronics Private Limited, Tamil Nadu, addressing the participants during the Industry Academia Conclave held on 17th and 18th Oct 2022 at PSG Convention Centre

Inauguration of new PG degree programme on M.E – Structural Engineering and Orientation of First Year M.E. Students

The Department of Civil Engineering, PSG iTech launched a new PG Degree Programme on M.E. Structural Engineering on 20th Oct 2022. The chief guest of the function was Dr.L.S.Jayagopal, Managing Director, Mithran Structures, Coimbatore. He spoke about the importance of Mathematics in Structural Engineering in a real time structure. Also, he insisted that the focus should be more on the concepts rather than working out the problems. Dr.M.I.Abdul Aleem, Professor and Head of the department welcomed the gathering.

Dr. G. Chandramohan, Principal presided over the function. Dr.P.V.Mohanram, Secretary, felicitated the function. Dr.M.Arun, M.E. - Structural Engineering Programmecoordinator, briefed about the Orientation Programme. The orientation programme was conducted for two days with eight sessions including a site visit for checking the quantity of reinforcement in a slab of an educational building at Ettimadai, Coimbatore.

Inaugural speech by Dr. L. S. Jayagopal, Managing Director, Mithran Structures, Coimbatore on 20th Oct 2022

Yoga Programme:

The Wellness Centre of PSG iTech organized the Yoga Programme for the members of faculty and staff on 26th October 2022. Principal Dr.G.Chandramohan delivered the welcome address. During his address, he spoke about the importance of practicing yoga amidst busy and stressful lifestyle. He requested all the participants to practice yoga daily for healthy living.

The yoga session commenced with a prayer song and simple exercises. A total of 25 members participated in this Yoga event. Mr. M. Senthilkumar Yoga Instructor, elaborated on various yoga asanas and pranayama (breathing exercises). Finally, Ms.S.Puvaneswari, Wellness Centre, proposed the vote of thanks. The yoga session ended with healthy and light refreshments.

Principal Dr. G. Chandramohan, Mr. M.Senthilkumar Yoga Instructor, faculty and staff members attended the Yoga Event held on 26th October 2022

Inauguration of First Year Students Orientation Programme 2022-23

PSG iTech inaugurated the First Year Induction Program on 27th October 2022. Dr. G. Chandramohan, Principal, welcomed the gathering and spoke about the importance of developing new skills to be successful in personal and professional life. He requested the students to do online courses and practice self-learning and life-long learning. At the same time, he briefed about the academic process, research activities, extra-curricular activities, state-of-the-art infrastructure facilities available in the college, and various achievements made by students and members of faculty.

Chief Guest Mr. K Ramachandran, Head - Strategy, Macro Initiatives and Foresight, 361 Degree Minds, Chennai, congratulated all the students for securing good marks in their exams and joining PSG iTech. He urged the students to be on their own and take responsibility to learn new concepts out of their own interests. Also, he stated that students should be self-aware and understand what a society expects and their larger roles and responsibilities in society. He appealed to all the students to enjoy every moment of their life and not to take things seriously. Importantly, he asked the students to apply the knowledge and skills they acquired to solve the problems in the society.

Speaking on the occasion, Guest of Honour Mr Ravi Sivalingam, Global Vice-President and Head, Microsoft Cloud Business Delivery, Cognizant Technology Solutions, asked the students to feel proud about their accomplishments and be determined to raise their bar. He requested the students to explore all the opportunities available on the campus and find out their passionate area. He made a point that competition is not about winning but about making sincere efforts. Further, he requested the students to develop problem-solving skills, working in groups, and public speaking skills to be successful in corporate life.

At the same time, he emphasized on joining some clubs and learning new skills. Finally, he informed the students to embrace changes, which will bring new challenges and opportunities and show interest to explore new things. Later, Dr R Ramesh, Director IQAC and Admission Co-ordinator made a presentation on admission procedures. He shared the total number of candidates who applied for PSG iTech and why students and parents have prioritized PSG iTech over other colleges across Tamil Nadu. He also pointed out the increased demand for seats filled under management quota on a merit basis. In his felicitation address, Dr.P.V.Mohanram, Secretary, recapitulated the significant points shared by the chief guest and shared some of the tips and tricks for effective learning through interesting stories.

Also, he briefed about the philanthropic works carried out by the PSG Sons' and charities like offering free-education with residential facilities for orphaned children and the responsibilities shouldered by the PSG Trust to make these children as achievers in life. Also, he interacted with students and parents andasked questions about the significant points covered by the resource persons. Finally, Dr.P.Vetrivelan, Associate Professor, HoD, Dept. of ECE proposed the vote of thanks.

The Guest of Honour Mr Ravi Sivalingam, Global Vice-President and Head, Microsoft Cloud Business Delivery, Cognizant Technology Solutions during the Inauguration of First Year Students Orientation Programme 2022-23 held on 27.10.22

Valedictory Ceremony for the First Year Students Orientation Program 2022-23

PSG iTech organized the Valedictory Ceremony for the First Year Students Orientation Program 2022-23 on 5.11.22. Mr. A Myilvaganan, Superintendent of Police, Vigilance and Anti-Corruption, West Zone, Tamil Nadu, participated as the Chief Guest.

Dr G. Chandramohan, Principal, welcomed the gathering and urged the students to chase their dreams and goals and requested them to participate in several activities and events organized by the college to enhance their skills. In addition, he thanked all the faculty and student coordinators for the successful organization of the First Year Students Orientation Programme 2022-23. Speaking on the occasion, Chief Guest Mr. A Myilvaganan, asked the students to be different from others and focus on doing extraordinary things in life. He stated that ordinary people look for security but extra-ordinary people look for opportunities and appealed to all the students to maximize the opportunities to demonstrate their success.

The chief guest stated that success is the cumulative result of small steps and one should not be carried away by failures. Also, the chief guest urged the students to enhance their thinking skills to offer innovative solutions for the problems prevailing in the society. While concluding his speech, he urged the students to be humble and grateful to everyone and live every second of their life with happiness and peace.

Earlier, First Year students demonstrated their creative, cultural, and literary skills in the Talent Show organized exclusively for them. They have exhibited their skills in drawing and painting, Poetry writing and recitation in Tamil and English, performing music, singing, and dance and solving Rubiks Cube. Later, all the participants were given certificates and prizes along with top-scorers from all the seven departments in the diagnostic test conducted during the first day of the orientation program. Chief Guest Mr. A Myilvaganan gave prizes for the faculty and students, who coordinated various events and sessions during the first year orientation program. Finally, Mr. V Navin Ganesh, Assistant Professor, Dept. of Civil Engineering, proposed the vote of thanks.

Dr.G.Chandramohan, Principal presenting a memento to the Chief Guest Mr.A.Myilvaganan, Superintendent of Police, Vigilance and Anti-Corruption, West Zone, Tamil Nadu during the Valedictory Ceremony for the First Year Students Orientation Program 2022-23 held on 5.11.22

"Joy of Giving" Programme:

The "Joy of Giving" was organized at PSG iTech from 2nd to 8th October 2022. The volunteers of NSS visited the nearby Neelambur High School and collected the students name along with their wishes. The NSS Volunteers made a wish ring with all the students name and their wish. All the students and faculty of the college were requested to donate to the students according to their wish and the same were collected from the faculty and students. The NSS volunteers visited the school and distributed their gifts.

"Joy of Giving" week held at PSG iTech from 2nd to 8th October 2022

"Cleaning of Neelambur Bus Stand"

As a part of the cleanliness drive, the NSS club organized a cleaning program at Neelambur Bus Stand on 20th October 2022. Nearly 40 NSS volunteers actively participated in this event. Each student has collected about 2 kg of waste. Students from all the departments contributed effectively and made this event, a successful one.

NSS Volunteers during the "Cleaning Drive" held on 20 October 2022

"National Unity Day"

As a part of NSS Club activity, the NSS volunteers were administered pledge for National Unity day" at 11.20 am on 31st Oct 2022 near PSG iTech Canteen. Around Sixty NSS volunteers participated.

NSS Volunteers taking pledge during National Unity Day programme held on 31st Oct 2022

Introduction to Capacity Building Workshop

The Wellness Centre of PSG iTech organized the "Capacity Building Workshop" for all the first year students from 10th to 14th November 2022. Mr.S.Saravana Prabhu (SQC Specialist, KLA, Chennai) served as the resource person. The resource person provided a detailed introduction about the topic and explained about the context of the workshop. The workshop is planned to be conducted for a span of 4 years with 25 sessions. He conducted interesting activities like team building and concentration activities for the students to make them understand the interpersonal skills. The resource person provided chocolates for students to encourage them while conducting various activities. Mr. Saravana Prabhu and Mr.Ravi Shankar (Admin Manager) explained about sources of energies like sleep, eat, and breathe; later, they conducted activities to improve energies and classes were divided into different groups for conducting group activities. Introductory session for all the branches was completed and the students enjoyed the sessions. The event was organised by Dr.R.Manimegalai (HoD- CSE) and coordinated by Ms.S.Puvaneswari (Student Counsellor).

"Students participating in Capacity Building Workshop" held on 10th Nov 2022

Medical Camp

The Youth Red Cross (YRC) Society organized a medical camp in association with PSG Institute of Medical Science and Research (PSG IMSR) from 29th to 30th November 2022. Dr. G. Chandramohan, Principal, PSG Institute of Technology and Applied Research, Coimbatore inaugurated the camp. Dr. M. Sathiyanathan, Associate Professor-EEE, YRC program officer has coordinated this programme. BP & BMI of the students were measured and appropriate counseling has been given to the students in addition to eye-checkup, dental check-up, and Ortho.

The OG test has been conducted for the female students. Doctors examined the anthropometric details, dietary and stress level of the students and proper counseling has been given to the students. Four hundred and forty three students from first year (Batch: 2022-24) benefited through this camp. Principal appreciated the efforts of YRC club and students volunteers for conducting this event.

Medical camp held at PSGiTech on 29th November 2022

An interactive session on "Siruthuli"

The Eco-Club and iTech dialogue of PSG iTech organized an interactive session on Siruthuli on 14.12.2022. Smt.Vanitha Mohan, Managing Trustee, Siruthuli was the Chief Guest. As a part of Siruthuli's endeavour to create a clean and green Kovai, Smt Vanitha Mohan delivered an enlightening talk on the numerous service activities they perform. In her talk, she emphasized the importance of conservation of water resources and rainwater harvesting.

Smt. Vanitha Mohan spoke about the establishment of PSG iTech - Siruthuli Miyawaki forest in an area of 11000 sq. ft. along the border of PSG Foundry and PSG iTech, and inaugurated the tree plantation in the presence of Shri L Gopalakrishnan, Managing Trustee, PSG Institutions.

Principal Dr. G. Chandramohan welcomed the Chief Guest with a bouquet. Shri. L. Gopalakrishnan, Managing Trustee of PSG Institutions, presented a memento to the Chief Guest. Several faculty members, staff members, and students took part in the event.

Smt. Vanitha Mohan, Managing Trustee, Siruthuli, Dr G Chandramohan, Principal,
Shri. L. Gopalakrishnan, Managing Trustee, PSG Institutions, Dr N Saravanakumar, Professor and Head,
Dept. of Mech and Dr A Kumaravel, the Eco Club Coordinator, are in the photo.

Inauguration of Mechanical Engineering Students Association 2022-23

The Mechanical Engineering Association inauguration was held on 03rd Nov 2022 at Mechanical Seminar Hall. It begun with a prayer song followed by lightening of lamp by the guests of honor. Mr Kabinesh, Secretary, MEA welcomed the gatherings and introduced the office bearers for the academic year 2022-23. Ms Niveditha, CTO and Co-founder Machen started the session with the topic "Virtual and Augmented Reality". She added that in Augmented Reality, a virtual environment is designed to coexist with the real environment, with the goal of being informative and providing additional data about the real world, which a user can access without having to do a search. For example, industrial AR apps could offer instant troubleshooting information when a handset is aimed at a piece of failing equipment.

She stated that virtual reality encompasses a complete environmental simulation that replaces the user's world with an entirely virtual world. Because these virtual environments are entirely fabricated, they are often designed to be larger than life. For example, VR could let a user box with a cartoon version of Mike Tyson in a virtual boxing ring. After the session students interacted with the speaker and clarified their doubts. The topic for second session was "Entrepreneurships and start-ups" and it was presided by Mr Ajay Jay and Mr Prashanth Ganesh, Preskale. The session went very interactive as the speakers gave many real-life examples and the challenges faced by them. Dr N Saravanakumar, HoD/Mech honoured the guests with memento.

Mr Ela Sanat, Joint Secretary, MEA unrevealed the new association logo and briefed about the plan of activities for the current academic year. Various students projects such as Rover, UAV and car projects were appreciated with a small memento by the chief guests. Finally the session ended with a vote of thanks by Mr Sriram, II year Mechanical Engineering, Executive member of MEA.

Group photo of Office bearers with guests of honors, HoD and faculty members during the "Inauguration of Mechanical Engineering Students Association 2022-23" on 03.11.22.

Inauguration of Astronomy Club for the academic year 2022-2023

On 19th November 2022, the Astronomy Club of PSG iTech conducted its inauguration for the academic year 2022-2023 at ECE Seminar Hall. The Chief Guest for the event was Dr.K.Ashok, Scientist, from Vikram Sarabhai Space Centre, Trivandrum, Kerala. The event was graced by the faculty in charge of the Astronomy Club, Dr.S.Maruthamuthu, Associate Professor, Department of Physics and other faculty members. More than 100 enthusiastic students from various departments attended the function. The event was coordinated and organized by the members of the Astronomy Club. The function started with a soulful prayer by Ms Vishwada Harani J of 2nd year Architecture department followed by the Welcome address of Ms Gayatri V from 2nd Year ECE department.

The Chief Guest, Dr.K.Ashok, addressed the gathering with his resounding knowledge in various fields of astronomy. In his talk, he gave a detailed description about the Hubble space telescope and Webb telescope and clearly differentiated their functionality. He also, explained various opportunities available for the students of various engineering disciplines in ISRO and various other Public Sectors in India. He shared his views regarding the status of ISRO and how we can collectively contribute to ISRO for reaching greater heights. Further, there was an intense discussion about Atomic sensors. The session was made super interactive and many participants of the events got their doubts cleared.

Dr. S Maruthamuthu addressed the gathering and introduced the new batch of Office Bearers of the Astronomy Club of PSGiTech by briefing their qualities and competency. President – Mr Naveen Prakash M S of 2nd Year Mechanical department, Vice President – Ms Gayatri V of 2nd Year ECE. Secretary - Mr Aravindhan A of 2nd year Mechanical department, Joint Secretary – Ms Soubarniga R of 2nd year Civil department, Treasurer - Mr Deepesh M of 2nd year ECE department, Social Outreacher – Mr Mithilesh R of 2nd year ECE department. The Chief Guest distributed the prizes to the winners of the Science Quiz Competition conducted exclusively for the fresher's by the Astronomy Club on 16th November 2022. Dr.S.Maruthamuthu honored the Chief Guest with a memento. The event ended with vote of thanks by President Mr Naveen Prakash.

Group photo session with the chief guest Dr.K.Ashok, Scientist, Vikram Sarabhai Space Centre, Trivandrum during the inaugural function held on 19th Nov 2022

On-Spot Arduino Project Contest

The Department of EEE and the IEEE Student Branch of PSGiTech jointly organized "On-Spot Arduino Project Contest" on 08th Oct 2022, for the students of second year EEE. The objective of the project contest was to offer space for testing new ideas and provide on-spot solutions. The contest has motivated the second year students to work on more projects. Dr.B.Adhavan, Associate Professor, Senior Member IEEE Student Branch and Dr.C.V.Pavithra, Assistant Professor (Sr.Gr.), Member IEEE Student Branch organized the event.

Student Members of IEEE Student Branch Mr. R. Hariharan and Mr. M. Mukesh coordinated the event. Students were given two project titles at the time of the event. They were given choice to select one out of the two project title. Totally 7 teams participated and the faculty members Mr. S. Ravikrishna and Ms. A. Jeyashree of EEE evaluated the projects based on the technical knowledge, design methodology, demonstration, and team work. Out of 7 teams, two best projects were selected based on the evaluation. Participation certificate was issued for all the teams. The first and second teams were given the certificate of excellence and cash prize.

On-Spot Arduino Project Contest held on 08th Oct 2022

Industry Perspectives for Budding Graduates

ISTE chapter – TN366, Institution's Innovation Council organized a guest lecture on the topic of "Industry Perspectives for Budding Graduates" for the Civil (2nd & 3rd year), Mechanical (3rd year) and EEE (3rd year) students on 23rd Nov 2022. Dr. G. Chandramohan, Principal, delivered the Welcome Address. The Chief Guest Mr. R. Ganesan, Head-Corporate Centre, L&T, Chennai insisted the students of EEE department to develop interest in the booming fields like automation, renewable energy sector and sustainable alternatives. He advised the students of Civil Department to explore and develop skills in Building Information Modelling (BIM) and he mentioned BIM as "Digital Twins".

He recommended Mechanical department students to develop their career in the field of digital fabrication. Also, he advised the students to feel proud as a core engineers and mentioned that there are "n" number of engineers are graduating every year but among them qualified engineers are comparatively less. At last, the vote of thanks was proposed by Dr. M.I. Abdul Aleem, Professor & Head of the Department of Civil Engineering.

Dr. G. Chandramohan, Principal, presenting a memento to the Chief Guest Mr.R.Ganesan during the guest lecture held on 23rd Nov 2022

Guest Lecture on "Funding Opportunities for Extramural R & D"

PSG iTech organized a guest lecture on the topic "Funding Opportunities for Extramural R & D" on 8th November 2022. Dr.Prasada Raju, Former Scientist, DST was the guest speaker of the program. Dr.Prasada Raju detailed information regarding funding opportunities from different government funding agencies. Insights on Funding opportunities in Science and Engg Research Board (SERB), Research Grants, Partnership Programs, International Programs and Fellowships from Dept of Science and Technology (DST) were given by the speaker in detail. Various schemes such as Technology Development, S&T for Socio-Economic Programs, International Programs, Women Scientists Program were discussed during the lecture.

Apart from DST and SERB, opportunities available in Ministry of Agriculture and Farmers' Welfare-Dept of AgrlRes & Extn (DARE)/Indian Council of Agrl Research (ICAR), Department of Atomic Energy (DAE), Ministry of Coal, Ministry of Defence-Defence Research & Development Organization (DRDO), Ministry of Earth Sciences (MoES), Ministry of Electronics and Information Technology (MEITY), Ministry of Environment, Forests and Climate Change (MoEF), Ministry of Food Processing Industries (MoFPI) and Ministry of Health and Family Welfare were elaborated during the lecture. The programme motivated the faculty members to apply for more projects and receive funding from DST, DBT and from similar funding agencies. A total of 26 faculty members and various Heads of the departments attended the program.

Presentation given by the guest speaker Dr.Prasada Raju on 8th November 2022

Guest Lecture on "Ponni Nathiyinile"

Dr. T. Karunanidhi, District Water Analyst, TWAD Board – Trichy, addressed the students on "Ponni Nathiyinile" on 29th October 2022.The Cauvery known as "Ponni" in Tamil is the fourth-largest river in South India. A total of 80 students from II year and III year of Civil Engineering Department attended the program. The Cauvery River is one of the most important sources of water for home, agricultural, and industrial use. Despite the widespread

use of river water, poor water management has resulted in widespread degradation of water quality. To determine the acceptability of water for drinking and the level of deterioration, the important water quality parameters such as pH, Electrical Conductivity, Total Dissolved Solids, alkalinity, hardness, Ca^{2+}, Mg^{2+}, Na^+, K^+,Cl^-, SO_4^{2-}, CO_3^{2-} HCO_3^- NO_3^-, and F^- were taught to the students. A demonstration on TWAD board testing kit was done to understand the portable water quality kit.

Glimpse of the talk and demonstration by the chief guest

Two-day Hands-on Training on "Effective Teaching of Mathematics using Python"

A two-day hands-on training on "Effective Teaching of Mathematics using Python" was organized by the Department of Mathematics and Department of EEE, PSG iTech from 15.12.2022 - 16.12.2022. The resource persons were Dr.V.Parthiban and Dr.S.Dhanasekaran, Assistant Professors, Dept of Mathematics, Vellore Institute of Technology, Chennai, Dr.C.L.Vasu, Professor & Head, Department of EEE, PSGiTech.

Dr. V. Jailaxmi, Professor and Head, Department of Mathematics, PSGiTech, welcomed the Chief Guest and participants. During the welcome address, she briefed about the highlights of hands-on training. The programme was inaugurated by the Principal and Secretary, PSG iTech. They offered their felicitations and spoke about the importance of python in mathematics for understanding engineering and technology. Dr. V. Chitra, Associate Professor, Dr. S Anitha, Assistant Professor, and Ms. Bavithra K, Assistant Professor (Sr. G) were the coordinators.

First session was delivered by Dr. C. L. Vasu, Professor, PSG iTech on 'Solving Engineering Problems using Jupyter Notebook'. The basics of Python along with the SymPy, NumPy and Matplotlib packages were taught in detail by the resource persons Dr. V. Parthiban and Dr. S. Dhanasekaran. Participants were trained to solve the mathematical equations using python and plot graph using Matplotlib package. About 24 participants from outside college and 10 internal participants got benefitted.

A group photo taken along with the guests and participants of hands on training held on 16th Dec 2022

National Mathematics Day Celebration

The National Mathematics Day was celebrated by the Department of Mathematics in the view of Great Mathematician Srinivasa Ramanujan's birthday. The event was conducted on 28th December 2022. Dr S. Aramuthakannan, Associate Professor, Department of Mathematics welcomed and introduced the chief guest and the gathering. Mr. Subrabharathi Manian, famous Tamil writer was the chief guest who spoke on the title Suzhalilum Kanithamum (Environment and Mathematics). The chief guest addressed the first year engineering students regarding the alarming environmental changes happening in recent years.

He also discussed the impacts of use of natural resources such as water, coal etc.,. by various industries. He also narrated with examples regarding the correlation between the environmental changes and mathematics. The chief guest suggested the ways to make the sufficient resources for the present and future generation. A quiz competition was conducted on 27.12.2022 by the Mathematics department for the first year students in view of national mathematics day celebration. The winners of the quiz competition were encouraged with certificates and prizes by Dr.V.Jailaxmi, Head of the Department and the Chief Guest. Finally, Dr.Sagithya.T, Assistant Professor, Department of mathematics thanked the chief guest for accepting the invitation and sharing his immense knowledge and views on environmental changes via mathematics.

Distribution of prizes and certificates by the chief guest on 28th December2022

Carbon Zero Challenge 2022

The third edition of Carbon Zero Challenge (CZeroC), a pioneering initiative aimed at encouraging environmental entrepreneurs, has attracted participants from all over the country. The theme for 2022 edition is CZC for CRC "Circularity in Resources Conservation". There were about 3923 registrations by students & start-ups and 995 proposals from 25 states and 2 UTs, besides educational institutions have been received so far for CZeroC 2022, a Green Business Idea Contest pioneered by Indian Institute of Technology Madras. Prof. Indumathi M Nambi, Environmental and Water Resources Engineering Division, Civil Engineering Department, IIT Madras is the Carbon Zero Challenge Principal Coordinator.

The winning teams were connected to IIT Madras Incubation Cell or equivalent and would get a start-up support fund. The shortlisted teams (up to 25 teams) will have an opportunity to win. A funding assistance of up to Rs 5 Lakhs per team was sanctioned to help them build a working prototype and hence convert their innovative idea into scalable product/solution for the market. Entrepreneurship training and certification could help them immensely in their start-up journey. Start-up support fund of up to 10 lakhs for the winning team and further incubation opportunities. Mentorship support by technical and business experts from both academia and industry would be assisting the teams in building a successful prototype.

Dr M Devasena, Lead – Research along with the students of PSGiTech
receiving the funding assistance from the team of IIT M

17th International Conference on Wetland Systems for Water Pollution Control:

Dr. M. Devasena, Professor, Department of Civil Engineering has attended the 17th International Conference on Wetland Systems for Water Pollution Control was held from 6th to 10th November 2022 in Lyon, France. This conference is part of the IWA Specialist Group "Wetland Systems for Water Pollution Control" conference series, which is a bi-annual conference series that acts as a global forum for discussion and knowledge sharing on the state of the art in scientific and practical development and implementation of natural and constructed wetlands and other nature-based solutions for providing water quality improvement and other co-benefits and ecosystem services. The paper titled "Treatment of textile industry wastewater using Phragmites Karka and Vetiveria Zizanioides in sequential subsurface wetland system" authored by Dr. M. Devasena, Professor, Dept. of Civil Engineering, was selected for presentation. Three parallel sessions were conducted and a total of 126 papers were presented. Delegates and speakers from 42 countries participated, she met the international wetland community and presented the work on "Wetlands". She has visited four operating constructed wetlands on waste water treatment, of which one of the oldest French Vertical flow systems at Montromant.

Group photo session at the Conference held from 6th to 10th November 2022

13th International Symposium on Southeast Asian Water Environment

Upon Invitation to attend the 13th International Symposium on Southeast Asian Water Environment, during 13th - 15th December 2022, Dr.M.Devasena attended the International symposium at Asian Institute of Technology, Bangkok, Thailand. Ohgaki Scholarship Fund from University of Tokyo covered the air tickets, registration fee, and accommodation at Bangkok. This symposium was organized by the Research Center for Water Environment Technology (RECWET) at the University of Tokyo (UTokyo, Japan), Southeast Asian Center for Water Environment Technology (SACWET), Asian Institute of Technology (AIT, Thailand), in cooperation with National Institute for Environmental Studies, Japan (NIES, Japan).

The purpose of this symposium was to provide a forum for various participants to present their latest research results, ideas, developments, and applications on water environment issues. In addition, an interesting technical tour was scheduled on the second day of symposium to promote intercommunion among the participants and understanding of local situations of water environment. Visit to Bang Sue Environmental Education and Conservation Center, a new waste water treatment plant was scheduled on the second day of the symposium.

Dr Devasena and Dr Indumathi Nambi, Professor, Department of Civil Engineering, Indian Institute of Technology Madras, presented on the topic "Optimization of Nutrient Recovery from Urine using Response Surface Methodology". An open session by the Pollution Control Department (PCD), Thailand was held during the symposium, including a talk by Waste water Management Authority (WMA) at Milton Bender Auditorium on the Topic "Treatment Efficiency Level as a tool for Decentralized Wastewater Management". Professor Taku Fujiwara delivered a key note talk on "Dual dissolved oxygen control system in oxidation ditches as an energy saving sewage treatment technology". Professor Chongrak Polprasert, Emeritus Professor, from AIT Thailand, delivered a keynote talk on "Emerging Water Environment Issues Relating to Pharmaceutical and Personal Care Products (PPCPs) and Microplastics".

Dr. M. Devasena during her presentation at the conference

Workshop on "Art of Decision Making for a Happy College Life":

The Department of Computer Science and Engineering in association with Institution's Innovation Council and The Institution of Engineers (India) PSGI Students Chapter organized a workshop on "Art of Decision Making for a Happy College Life". The workshop was held for the third year CSE students on 3rd December, 2022. Mr.Saravana Prabhu was the guest speaker and the event was coordinated by Dr.I.Kala, Associate Professor, Department of CSE. Dr.R.Manimegalai, Head of Department, CSE was the convener of the workshop. Mr.Saravana Prabhu is an alumnus of PSG College of Technology and BITS Pilani. He has 12 years of experience as Technical, People Skills and Life skills Trainer, who is currently working as a SQC Specialist in KLA, Chennai. Third year CSE students were the participants of the session. There were about 50 students, who attended the workshop.

The speaker started the session with a simple but an interesting task which activated the interest of the students. He advised the students to prepare and make themselves ready before performing a task. He beautifully illustrated that idea through a game. He emphasized the importance of doing projects and publishing papers to the students by relating the situation to a video clip which was actually motivating. Finally, the workshop was concluded after receiving feedbacks from the students. Students were deeply motivated after the session and they felt refreshed.

A photo taken during the interaction with students by the chief guest on 3rd Dec 2022

Webinar on "Improving Research Writing and Publication output Using Grammarly"

A webinar on "Improving Research Writing and Publication output Using Grammarly" was jointly organized by the Central Library and Research Forum, PSG iTech on 23rd November, 2022. Librarian Dr.V.Krishnamurthy, introduced the resource person Mr.Goutham, Senior BDM, Bridge People Technology Solutions. During the session, 40 participants (registered 98) actively participated and the session was interactive throughout the session. Mr.Goutham presented a detailed view on Grammarly. Ms.Manisha and Ms.Pooja explained the individual's registration and various features of the Grammarly.
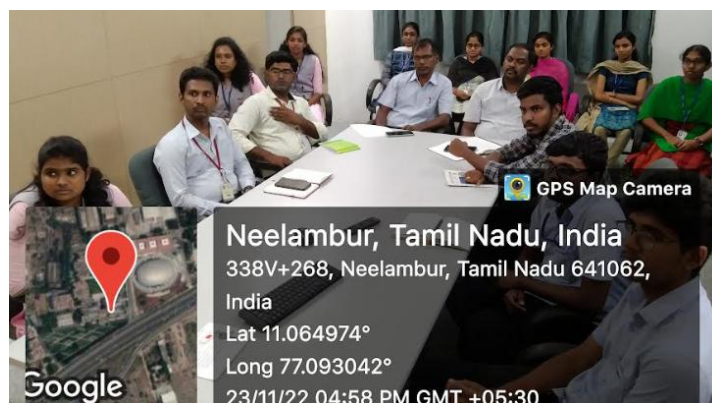
Webinar on "Improving Research Writing and Publication output Using Grammarly" held on 23rd Nov 2022

Guest Lecture on "The role of students in the conservation of the environment"

The Eco-Club of PSG iTech organized a Guest Lecture on "The role of students in the conservation of the environment" on 28th Dec 2022 in order to create awareness about pollution and its grave impact on climate change. Mr.N.Nithyanandam, a Social worker was the Chief Guest. He was welcomed by Dr.A.Kumaravel, Eco-Club Co-ordinator. The Chief Guest emphasized the importance of protecting the Mother Nature from pollution. He stressed that students need to think innovatively if they want to be visible in society. He explained that even though he only attended the 10th standard, he delivered a talk at the United Nations 19 times as a result of his remarkable environmental and social conservation efforts. Finally, he asked the students to take a vow in 2023 to help nature in some way. Nearly, 160 students have attended the guest lecture and got benefitted.

Chief Guest Mr.N.Nithyanandam while addressing to the students on 28.12.2022

Clash of Codes 3.0 Contest

The coding contest also known as Clash of Codes 3.0 was held on 3rd November 2022. The contest covered the topics, which is of medium level for the 2nd years and hard level for 3rd years. It took place at E2-103 Cloud lab. Around 100 students participated in the contest. The convener for the contest was Dr. R Manimegalai (HOD/CSE). The opening address for the contest was given by Mr. C P Shabariram (AP/CSE), Faculty in-charge of Coding club. He explained the rules and regulations to be followed during the contest.

The problem setter for the contest was Mr.Kirubanand R from Final year CSE. The student coordinators for the contest were Ms.Prema R, President-Coding Club from Final year CSE and Ms.Dhanashree, Vice President-Coding Club from 3rd year CSE. First three positions from 2nd year were secured by students : Mr.Nirmaliswarran S R, Mr.Srinitish D, and Mr.Kamal Chander ; from 3rd years - Mr.Yuvanesh, Ms. Sadhana and Mr.Sakthivelraj.

Coding Contest held on 3rd November 2022

Upskill -Talk 1

The Computer Science and Engineering Association of PSG Institute of Technology and Applied Research organized a talk on the topic "System Design: Placement Perspective" as part of Upskill on 27th October 2022. The talk was delivered by Ms. Prema R, Final year CSE. About 30 students of third year CSE attended the talk and benefitted. The session started with a welcome address by Ms Nethra Chezhian, Third year CSE. The Resource Person, Ms. Prema R started the session by posing questions on students' knowledge about System Design. She led the session by the basics of System Design which included the topic Distributed System and related term like the Characteristics, benefits, and performance metrics.

She also explained each topic with a real-world example. In between the topics, she gave some interviewer point of questions which enlightened upon the placement questions on the topic. She also briefly talked about the importance of each Performance Metrics in our practical applications in the field of System Design. She also gave a small idea on cache memory, their advantages, and efficient ways of placing cache on distributed networks. At the end of the session, she gave some tips and ideas on how to get prepared for placements and how to face the interviews with hope and confidence. Students interacted with the resource person and got their doubts clarified based on the system design and Placements. The session was informative and interactive.

Ms. Prema R, Final year CSE is delivering a talk on "System Design: Placement Perspective" held on 27th October 2022

Upskill -Talk 2

The Computer Science and Engineering Association of PSG Institute of Technology and Applied Research organized a talk on the topic "Programming in C" which was a part of Upskill on 16th November 2022. The session was all about mentoring the juniors. The talk was delivered by Mr Sai Santhosh S, the Secretary of CSEA and Mr Vibhav Krishnan K S, third year CSE. About 50 students of first year CSE attended the talk and benefitted. The session started with a welcome address by Dr.I.Kala.

The speaker of the day, Mr SaiSanthosh started the session by motivating the students to actively engage themselves in coding and practice every day. He also shared his perspectives about the technologies. Mr Vibhav Krishnan then started with the basics of C programming where he covered a few essential topics. Both of them shared the session and made people feel comfortable and made them get rid of fear towards programming. The session was interactive where the students posted their doubts and actively participated.

Mr Saisanthosh S, the Secretary of CSEA is delivering a talk on "Programming in C" held on 16thNovember 2022

Design of Consumer and Enterprise Applications

A one-day workshop on 'Design of Consumer and Enterprise Applications' was organized on 23.11.2022 for the benefit of third year CSE students. Totally 70 students participated in the workshop. Mr Jayanth Bagare, Chief Development Architect, SAP Academy for Engineering, Mr Bharath Prasad S, Chief Development Architect, SAP Academy for Engineering and Mr Venkat Raman L, Development Architect, SAP Academy for Engineering were the resource persons for the workshop. Dr R Manimegalai, Professor and Head, Dept. of CSE welcomed the gathering and Dr G Chandramohan, Principal, PSG iTech delivered the presidential address.

The first session on ERP Ecosystem was delivered by Mr Venkat Raman L, Development Architect, SAP Academy for Engineering. He outlined the architecture and the components of the ERP. The second session on Design of B2C Systems was briefed by Mr Bharath Prasad S, Chief Development Architect, SAP Academy for Engineering. He explained about Business to Consumer systems and introduced the different tools and technologies used to build the ERP systems. The third session on Design of B2B Systems was delivered by Mr Jayanth Bagare, Chief Development Architect, SAP Academy for Engineering. He illustrated the Business to Business system cycle and how ERP system should be designed in the business perspective of the organization too. He also introduced about the SAP HANA and demonstrated how it is helpful in making ERP applications. Mr.N.Aravindhraj, Assistant Professor, CSE proposed the formal vote of thanks.


Principal presenting a gift to Mr Jayanth Bagare, Chief Development Architect, SAP Academy for Engineering on 23rd Nov 2022

A Talk on "Graph Data Structure"

The Computer Science and Engineering Association of PSG Institute of Technology and Applied Research organized a talk on the basic implementation of "Graph Data Structure" on 13th October 2022. The lecture was delivered by Ms.Susmeta.A, Final year CSE. She started with a brush-up session on the basics of Data Structure and discussed the linear and nonlinear data structure and highlighted the difference between graph and tree data structure. She focused on the Graph Data Structure and explained the concept of graph with relevant examples.

She also taught the implementation of traversals which included Depth First Search and Breadth First Search Traversals. She explained various algorithms which was about finding the number of components, cycle detection, etc. along with the code. The session was very interactive and ended with the feedback. Nearly 52 Third Year students participated.
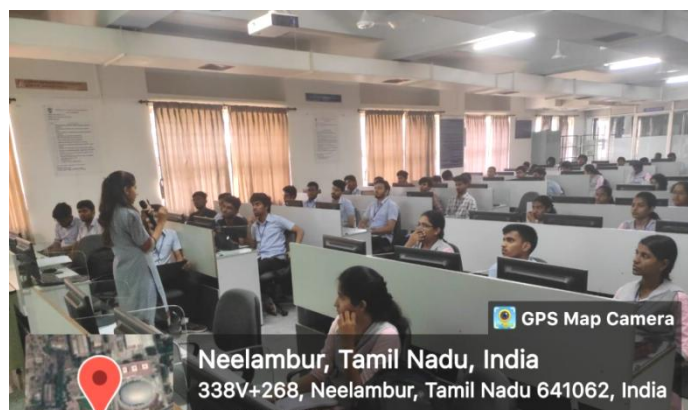
Ms.Susmeta.A, Final year CSE delivering a talk on "Graph Data Structure" on 13th October 2022

Coder Series

The Computer Science and Engineering Association of PSG iTech organized a lecture on the topic "Competitive Programming with C" as part of Coder Series on 12th October 2022. The lecture was delivered by Mr.Kirubanand.R, Final year CSE. Forty two students of second year CSE attended the event and got benefitted. The session started with a welcome address by Ms Ashika.V, Third year CSE. The Resource Person, Mr.Kirubanand.R talked about competitive programming and explained how it is different from DSA. He walked through various online judges like codechef and hackerrank.

He explained how an algorithm is to be chosen for a given problem statement based on constraints and test cases and analyzed different programming languages. He shared his strategy of having a standard template of code to be used during contests.   He urged the students to participate in programming contests conducted in different platforms and highlighted that consistency is the key to success. Students interacted with the resource person and got their doubts clarified. The session ended with a vote of thanks proposed by Deepthi.T.S, second year CSE.

Mr.Kirubanand.R, Final year CSE delivering a lecture on "Competitive Programming with C" on 12th October 2022

Guest lecture on "Collaborative Learning - The Pivot of Success"

The Department of Computer Science and Engineering organized a Guest lecture on "Collaborative Learning: The Pivot of Success" on 3rd December 2022 for the first-year students of B.E. Computer Science and Engineering, B.Tech. Artificial Intelligence and Data Science, B.Tech. Computer Science and Business Systems. Dr.R.Manimegalai, Head of the Department, welcomed the gathering and introduced Dr. B Thiagarajan, Deputy Registrar from IIT Palakkad. Dr.B.Gomathi, ASP/CSE, Dr.S.Lokesh, ASP/CSE, and Dr.P.Priya Ponnuswamy, ASP/CSE coordinated the program. The session started with a brief introduction about his career and experience working with over 66,000 students, giving motivational lectures and conducting workshops.

Resource person, Dr. Thiagarajan shared his valuable inputs and insights with the freshers on collaborative learning and conducted several activities to demonstrate the same. He enabled the participants to get to know their peers through multiple ice-breaking games that not only served to encourage interaction between the participants, but also cherish positive thoughts by sharing the best memories in their lives. Various activities were conducted which began with sharing of the sweetest memories. Students depicted their memories through drawings and writings in a chart that was presented by the leader before everyone.

School memories were the ones which was mostly shared as the sweetest memories, by the students. Then the session continued by conducting games that tickled the minds of the students. Many fun and interactive activities like weaving a story, pics, Quickfire, Who am I, etc. were also conducted very effectively. These activities when played by students will increase their collaborative skills. They can develop the habit of completing a task as a team by interacting with others and by working with the other members of the team. Finally, the session was closed by giving the Vote of thanks and it was proposed by Dr.P.Priya Ponnuswamy, AP/CSE.

Dr. R Manimegalai,HoD/CSE is presenting a Memento to Dr. B.Thiyagrajan, Deputy Registrar, IIT Palakkad on 3rd December 2022

Guest Lecture on "IEEE - Professional Home for Humanitarian Empowerment"

The Department of EEE and ECE in association with the IEEE Student Branch of PSG iTech jointly organized an interaction session with Dr. Porkumaran, Chairman – IEEE Madras Section towards the preparation for conducting an IEEE International conference followed by a guest lecture on "IEEE - Professional Home for Humanitarian Empowerment" on 23rd Dec 2022.

Dr. C. L. Vasu, Head of the Department, EEE and Dr. P. Vetrivelan, Head of the Department, ECE along with the department faculty members welcomed Dr. Porkumaran at Board room. The interaction session began with the self introduction of Dr. Porkumaran followed by his presentation about IEEE activities worldwide. He enumerated the IEEE Madras section activities in detail and discussed the funding opportunities for faculty members and young professionals. The session ended up with the detailed discussion of activities that needs to be done before hosting the conference.

The session started with a brief note on the introduction to the world's largest professional organisation IEEE to the first year EEE and ECE students at ECE Seminar Hall. Dr. Porkumaran, Chairman of IEEE Madras section gave insights of IEEE in humanitarian empowerment. He mentioned the role of IEEE in advancing technology for the benefit of humanity and discussed more in details about the opportunities like IEEE smart village, IEEE Special Interest Group on Humanitarian Technology (SIGHT), IEEE Humanitarian Activities Committee (HAC) and so on.

He also specifically mentioned about the honor society of IEEE, the IEEE -Eta Kappa Nu that promotes excellence in education through scholarships and recognizes academic excellence, leadership, outstanding character in undergraduates and graduate students, engineering faculty, and professionals. The session was highly enlightening to students to know about the IEEE and its activities worldwide.

Guest lecture on "IEEE - Professional Home for Humanitarian Empowerment" by Dr. K. Porkumaran, Chairman – IEEE Madras Section on 23rd Dec 2022

Students Achievements:

MathWorks Minidrone Competition India 2022

MathWorks organisation along with SAE of IIT Kanpur and ICT Academy organized a national level "MathWorks Mini drone Competition India 2022" on 14th and 15th of October 2022. The team PSGiTech comprising of third year computer science engineering students namely Srihari M (Team Lead), Sakthivelraj S, Sai Santhosh S and Hariharan K participated in MathWorks Mini drone Competition India 2022 and won the 6th place. The competition consisted of two rounds i.e., software implementation and hardware implementation. The competition started on 12th August 2022.

In the first round, participants were instructed to build a program in MAT LAB Software to make use of Drone POV camera to identify the path and follow the path then land in the circle pad. The team created an algorithm by analyzing the threshold color of the path and speed of the drone. They have passed the round one and selected for the final round, which was held at IIT Kanpur on 14th and 15th of October 2022. Out of 960 teams from India, PSGiTech Drone Team was selected for the grand finale round.

In the final round, the finalists were instructed to implement the program in the parrot mambo drone such that the program must be capable to make the drone to follow the path and land smoothly in the circle pad. There was a heavy competition as the fellow team mates were all from different IITs of India like IIT Bombay, IIT Kharagpur, IIT Delhi, IIT Kanpur, IIT Roper. Finally, PSGiTech Drone Team won the 6th place out of 960 teams in the MathWorks Mini drone competition India 2022.

Group photo session during MathWorks Mini drone competition
India 2022 held on14th and 15th of October 2022

International Rover Design Challenge 2022

The Indian Rover Design Challenge, an annual research based-competition, is conducted by the Space Robotics Society (SPROS). The contest is about designing a Mars Rover which is capable of exploring the polar region of Mars. It includes traversing in challenging terrains, autonomous functioning, performing delicate tasks, collecting soil samples, and testing soil samples for life in the Martian environment.

The event was conducted online between Sept - Oct 2022. Out of 24 teams that applied for the event, only 13 teams were selected for the final design presentation. Teams from Poland, Bangladesh, and India participated in the event. IIT Bombay, IIT Roorkee, VIT, SRM, and BITS Pilani were some of the notable teams from India. PSG iTech, in its maiden attempt in the Rover competition, secured the 4th position in the IRDC 2023.

Team members who have participated in the finals

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 120members 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.Bhuvaneswari, 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

8

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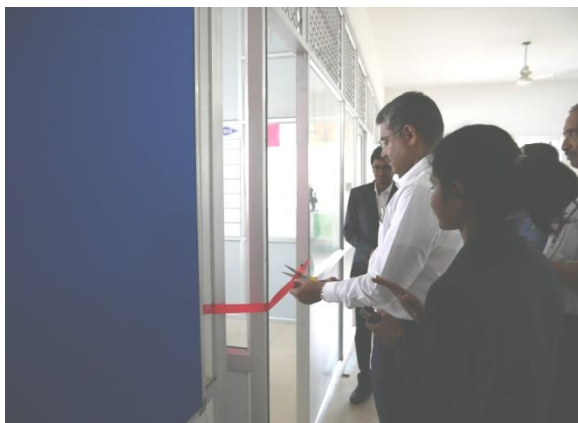
Students' Union Office Inauguration by Chief Guest Mr. Ramachandran, Propel Industries

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 21[st]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 8thGCmeeting
- 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.
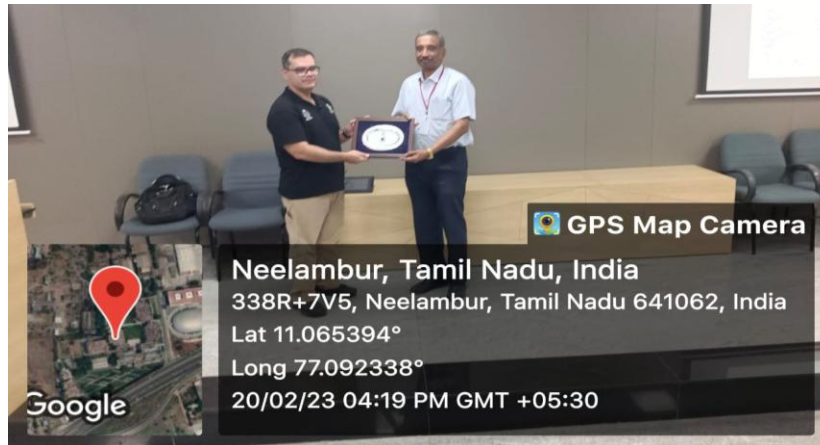
Dr. G Chandramohan, Principal, PSG iTech presenting the memento to Dr Juan Pablo Escobedo-Diaz, Senior Lecturer, UNSW Canberra, Australia on 20.02.23

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 Arunkumaran, 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 Arunkumaran, 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, the18 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 Thaai 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.

Kurumapalayam 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 Koteshwar, 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 partcipants 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 24thJan 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

<u>IEEE Sponsored Five Day FDP on "Artificial Intelligence for Signal Processing Applications"</u>

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