PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

Quarterly Report - April to June 2024

Events Organized:

Academics

Event Title	Project Expo
Date and Duration	2nd April 2024 & 2.00 pm to 4.30 pm
Department	CSE
Faculty Co-ordinator	Dr P Priya Ponnuswamy, AP/CSE
Resource Person	Mr. Arjit Garg, Development Expert & Mr. Manojkumar Venkatesan Development Manager, SAP Academy for Engineering
No. of Participants	61 students

1. The Project expo commenced at 2.00 pm, featuring Mr Arjit Garg, Development Expert at SAP Academy for Engineering, and Mr Manojkumar Venkatesan, Development Manager at SAP Academy. There were 16 teams, each consisting of 3-4 members.
2. The teams began explaining their projects, and the jury members listened to and evaluated them.
3. After completing the evaluation, the jury members announced the teams that secured first, second, and third place, and provided feedback on the projects and ideas of the students.
   Dr. R. Manimegalai presented mementoes to the esteemed guests.

Judges evaluating one of the projects during "Project Expo" held on 2nd April 2024

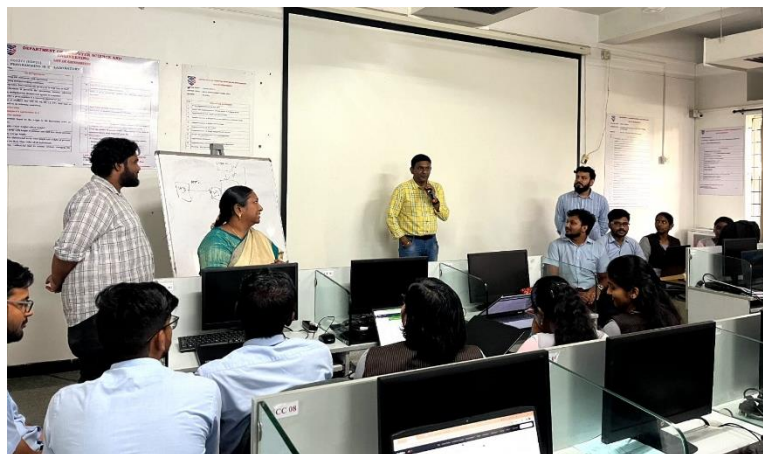| Event title	Value Added Course on CAD Modelling by Micro Station
Date and Duration	03rd, 04th and 06th April 2024 and 23rd May 2024 34 Hours
Department	Civil Engineering
Co-ordinators	Dr. Sakthivel, T., and Mr. Sakthi Prasanth K., Assistant Professors, Civil Engineering Department
Resource Person	Mr. Rajesh Kumar, Tech Apps Consulting and Bentley Institute, Chennai.
No. of Participants	61 students

1. The Value-Added Course on "CAD Modelling by MicroStation" was conducted by Mr. Rajesh Kumar from Tech Apps Consulting and Bentley Institute, Chennai, for the 1st-year second semester (2023-2027 batch) B.E. Civil Engineering students.

2. Mr. Rajesh Kumar delivered a lecture on comprehensive CAD modeling capabilities, covering 2D and 3D design, drafting, and visualization. These skills are widely utilized in architecture, engineering, and construction industries for their precision and interoperability.

3. The resource person outlined the objective of CAD modeling using MicroStation, emphasizing its ability to create precise, detailed, and scalable digital representations of physical objects or designs for engineering, architecture, and construction projects. Finally, he briefed the participants on the outcomes of CAD Modeling by MicroStation.

Mr. Rajesh Kumar from Tech Apps Consulting and Bentley Institute, Chennai, conducted a Value-Added Course for 1st-year B.E. Civil Engineering students on 3rd April 2024

Event title	Cloud Native Continuous Integration/ Continuous Delivery (CI/CD) Development
Event Category	Value Added Course
Date and Duration	02nd – 04th April 2024 & Two Days
Department	CSE
Co-ordinator	Ms. J. Asha, AP/CSE
Resource Person	1. Mr. Srivatsan Santhanam, Vice President 2. Mr. Manoj Kumar Venkatesan, Development Manager 3. Arjit Garg, Development Expert SAP Labs India
No. of Participants	40 students

1. Dr. R. Manimegalai, HoD, CSE welcomed the gathering, and Ms.J.Asha, AP, CSE introduced the resource persons to the audience.
2. The students were guided through multiple domains related to CL/CD, including the services provided by the cloud service providers such as AWS, AWS EC2 Instance, AWS Beanstalk, AWS CodeBuild, AWS CodeCommit, and AWS CodePipeline.
3. The students were split into teams to apply the topics they learned. Ultimately, it proved to be an effective learning experience for students, enhancing their skills in developing applications aligned with AWS.

Participants along with the resource person during the FDP

Event title	Machine Learning Algorithms for Industry-Use Cases
Event Category	Workshop
Date and Duration	04th and 05th April 2024 & Two Days
Department	CSE
Co-ordinators	Dr. S. Hemkiran, Assistant Professor (Sl. Gr), CSE Department Mrs. M. Karthigha, AP (Sl. Gr)/CSE
Resource Person	Mr. Srivatsan Santhanam, Vice President, SAP Labs India
No. of Participants	131 students

1. Dr R Manimegalai, HoD, CSE welcomed the gathering, and Dr.S.Hemkiran introduced the distinguished resource persons to the audience.

2. Mr. Santhanam's keynote session focused on the evolution of machine learning algorithms and their role in transforming various industry sectors. He discussed emerging trends, best practices, and case studies showcasing the successful implementation of machine-learning solutions in real-world scenarios.

3. The workshop featured technical sessions covering a wide range of machine learning algorithms, including supervised learning, unsupervised learning, and reinforcement learning. Students gained practical knowledge through hands-on exercises, demonstrations, and interactive discussions.

4. Real-world industry case studies were presented to illustrate the application of machine learning algorithms in domains such as healthcare, finance, manufacturing, and marketing. Students learned how machine learning techniques are used to solve complex problems, optimize processes, and drive business growth.

5. At the conclusion, Dr. R. Manimegalai, HoD/CSE, facilitated the valedictory session and discussed the association of PSGiTech with SAP, acknowledging the contributions of all those who made the event a success.

Participants along with the resource person during the FDP

Event title	IoT and Digital Manufacturing
Event Category	Workshop
Date and Duration	16th & 17th April 2024 & Two days
Training Topic	Interfacing of Sensors, Slicing and Building for 3D Printing, Presetting for Metal Additive Manufacturing
Venue	E6 Mechanical Seminar Hall, CAD lab, Fabrication and Testing Laboratory
Resource Person	Dr Nagarjun J, AP/Mech Dr Thirumalaikumaran S, ASP/Mech Mr Jagadeesh B, AP/Mech
No. of Participants	116 students

1. Upon request from PSNA College of Engineering and Technology, Dindigul, the Department of Mechanical Engineering conducted a workshop on IoT and Digital Manufacturing exclusively for the 3rd-year Mechanical Department students of PSNA College of Engineering and Technology.
2. About 116 students attended the workshop in two batches. Dr. Nagarjun J acted as coordinator for the Workshop and he also trained the participants in the area of IoT and Industry 4.0.
3. The students received hands-on exposure to 3D printing by Dr. S. Thirumalaikumaran and Mr. B. Jagadeesh. During the workshop, students learned about the process of transferring data from sensors to cloud platforms and retrieving data from the cloud platform.
4. Additionally, the students were trained in slicing and building the solid model file, which is a prerequisite for 3D printing. Furthermore, they were introduced to metal 3D printing by the faculty expert.
5. The participants were awarded certificates at the conclusion of the program.

Group photo along with the participants

Event Title	Transformation and Changes in My Entrepreneurial Journey
Event Category	Guest Lecture
Date and Duration	14th May 2024 & One day
Department	Mechanical Engineering
Co-ordinator	Dr. S. Nanthakumar, Associate Professor Mechanical Department
Resource Person	Mr. Sanjay Kondaas, Managing Director, Kondaas Automation, Coimbatore, Tamil Nadu
No. of participants	120 students

1. Mr. Sanjay Kondaas, Managing Director of Kondaas Automation, began the session with the topic "Transformation and Changes in My Entrepreneurial Journey."

2. He mentioned that Kondaas Automation is currently the number one Solar OnGrid Installer in South India and the largest residential solar On-grid installer in Tamil Nadu and Kerala. Over the past 26 years, Kondaas has grown through continuous and consistent efforts to develop into a brand with modern values.

3. The guest added that the Kondaas brand has achieved a unique position by becoming almost universally recognized in the category, with high self-recognition among its target audience, making Kondaas the number one choice in South India. Mr. Sanjay mentioned that he also established a solar training and research center for the new generation in 2017, known as the Kondaas Learning and Research Center.

4. Dr. R. Ramesh, Professor & Head of the Department of Mechanical Engineering, along with the office bearers of MEA, honored the chief guest with a memento. Finally, the session concluded with a vote of thanks by Ms. Dharshini, a second-year Mechanical Engineering student and Executive member of MEA, followed by the national anthem.

Dr R Ramesh, HoD (Mech) presenting a memento to the chief guest

Event Title	Project Exhibition for 2023-2027 Batch (I year) EEE Students
Date and Duration	18th May 2024, 3.00 to 5.00 pm
Department	EEE
Co-ordinators	Dr. M. Senthilkumar AP (Sl. Grade) - EEE Dr. M. Sathiyanathan ASP – EEE
No. of Participants	57 students exhibited 17 projects

1. The expo featured a wide range of mini projects spanning various domains within electrical and electronics engineering, showcasing the creativity and ingenuity of the students. Students actively engaged in hands-on demonstrations, enabling visitors to interact with the projects and gain insights into their functionality.

2. Esteemed experts Mr. Sharan U and Ms. Shiwani D served on the panel, providing valuable insights and feedback to the students, enriching their learning experience. Additionally, department faculty offered their suggestions and appreciated the students for their efforts.

3. Dr. M. Senthilkumar and Dr. M. Sathiyanathan provided invaluable guidance and support in organizing the project expo, ensuring its smooth execution and success. Rakesh S and Allwin R demonstrated exemplary leadership as student coordinators, overseeing various aspects of the event and ensuring effective coordination among students and faculty.

4. Overall, the project expo, with the valuable contributions of expert panel members, visiting departments, coordinators, and students, was a resounding success, achieving its objective of upskilling students and fostering innovation within the Department of Electrical and Electronics Engineering.

5. The teams led by Mr. Allwin R, Mr. Rakesh S, and Mr. Naveen Bharath V secured the top three places, showcasing their exceptional talent and innovative ideas. They received cash prizes in recognition of their outstanding achievements. Additionally, all participants received participation certificates to acknowledge their hard work and dedication in contributing to the success of the project expo.

EEE students exhibiting their project on 18th May 2024

Event Title	Project Exhibition for 2023-2027 Batch (1st year) Civil Students
Date and Duration	25th May 2024, 3.00 to 5.00 pm
Department	Civil Engineering
Co-ordinator	Ms Bavithra K, AP (Sr. Gr)/EEE
Evaluator	Mr. S Elayaraja ASP / Civil Dr V Navin Ganesh AP (Sl. Gr) / Civil
No. of Participants	60 students exhibited 13 projects

1. The Department of Civil Engineering, in association with the Civil Association and Industry Institute Cell, organized a one-day project exhibition on May 25th, 2024.
2. It was an informative and interesting day for all first-year students who visited the exhibition and interacted with the projects.
3. Three student teams from the 1st year were selected for the top three project awards, which will be distributed during the next association meeting. Participation certificates will be given to the other students who exhibited their projects.
4. The exhibition concluded with a group photo.

Civil students exhibited their projects, and Mr. Elayaraja evaluated the projects presented in the exhibition

Event title	Project Expo
Date and Duration	27th May 2024 & 9:00 am to 12:00 pm
Department	CSE
Faculty Co-ordinators	Dr. Hemkiran S, AP/CSE
Resource Person	Mr. Suresh Balachandran
Faculty Convenor	Dr. R. Manimegalai, HOD/CSE
No. of Participants	61 students

1. The Project Expo commenced at 9:00 AM, featuring Mr. Suresh Balachandran, the Head of Product Engineering at Nallas Software.
2. There were 14 teams, each consisting of 5-6 members per team. The teams began explaining their projects, and the jury members listened to and evaluated them.
3. After completing the evaluation, the jury members announced the teams that secured first, second, and third place. Subsequently, feedback was provided on the projects and ideas presented by the students.
4. The Project Expo concluded by 12 Noon and Dr. R. Manimegalai, HoD (CSE) presented the mementoes to the guests.

Resource Person evaluating one of the projects

Event title	Project Expo
Date and Duration	28th May 2024 & 3 Hours
Department	CSE
Co-ordinators	Dr. S. Vaishnavi, AP (Sr Gr) /CSE Ms. M. Karthigha, AP (Sl. Gr)/CSE
Resource Person	Mrs. Deepthika Ramachandran - Head of Quality Engineering, Nallas Corporation, Coimbatore
No. of Participants	59 students

1. Project Coordinator Dr. S. Vaishnavi welcomed the reviewer or resource person and shared her expertise with the students.
2. Fourteen teams of first-year CS&BS presented their innovative ideas and implementations to the reviewer. Each team was evaluated, and marks were given by the reviewer.
3. She also shared suggestions to the students regarding their implementation and future advancements.
4. After completing the evaluation, the first, second, and third prizes were announced by the jury members in the presence of Dr. R. Manimegalai, HoD/CSE. Students shared their feedback regarding the expo.
5. The event concluded with honoring the reviewer with an honorarium, a thank-you speech, and a group photo.

Students delivering their Projects and Group Photo Session

Event title	Project Expo
Date and Duration	28th May 2024
Department	EEE
Co-ordinators	Dr Mohamed Iqbal M, Associate Professor & Dr Pavithra C V, Assistant Professor, EEE Department
Chief Guest	Mr Nishok P B, Capabilities and Insight Analytics Analyst, Mckinsey & Company
No. of Participants	65 students

1. The exhibition featured 17 teams, each presenting innovative projects that applied theoretical knowledge to practical scenarios. Among the standout projects were Smartcane solutions, ECG analysis, and Smart Home Automation System.

2. The judging panel, comprising senior faculty members and alumni, evaluated the projects based on innovation, technical complexity, practical application, and presentation skills. The Smartcane solutions by Akshay Kanna, Gokul, Darshini, and Kesavan won the first prize.

3. The ECG analysis by Varma, Lakshma Narayanan, Pradeep, and Levn Ricardo was recognized with the second prize. The Smart Energy Monitoring System by Amalan Joseph, Enbharajan, Savitha, and Sashti Pranav received the third prize. The teams were awarded cash prizes of Rs. 2000, Rs. 1600, and Rs. 1200 respectively.

4. Judges commended the students for their creativity, technical depth, and practical relevance. Participants expressed that the event was a valuable experience, providing them with insights and inspiration to further develop their projects. Overall, the exhibition fostered a spirit of innovation and collaboration, highlighting the importance of hands-on learning in engineering education.

The first prize-winning team for the project "Smartcane Solutions"

Event title	Project Expo
Date and Duration	28th May 2024
Department	EEE
Coordinators	Mr. S. Ravi Krishna, Assistant Professor & Ms. A. Jeyashree, Assistant Professor, EEE Department
Chief Guest	Mr. Pragadeesh T K S, Thought Works, Mr. Somasundharam M, Robert Bosch
No. of Participants	64 students

1. The project display held on May 28th, 2024, by third-year students from the Electrical and Electronics Department along with IE was a huge success, showcasing the participants' originality and technical acumen.

2. The display featured 17 teams, each exhibiting creative initiatives that applied academic knowledge to real-world scenarios.

3. The projects were judged by a panel of senior faculty members and alumni based on inventiveness, technical intricacy, practical applicability, and presentation skills. The Integrated Soil Analysis by Kishore, Dhananjay, Kiruthik, and Kavinvel won the first prize.

4. The Design of a bidirectional converter for EV applications by Subhiksha, Sandhya, and Sowmya won the second prize. The Design of the SEPIC Converter by Aditya, Logesh, Dharanesh, and Aakarshna won the third prize.

5. The teams were awarded cash prizes of Rs. 2000, Rs. 1600, and Rs. 1200 respectively. Judges praised the students' inventiveness, technical depth, and practical applicability.

6. Participants stated that the event was a valuable experience that provided them with ideas and inspiration to continue developing their initiatives. Overall, the exhibition promoted an environment of innovation and collaboration, emphasizing the value of hands-on learning in engineering education.

Project Expo

Event title	VAC – "VAC304 – Youth Empowerment & Skill" (Phase- II)
Date and Duration	31.05.2024 and 01.06.2024 &15 hrs.
Co-Ordinator's	Ms. S. Puvaneswari, Student Counsellor, Wellness centre. Mr. P. Balakumar, Placement officer
Chief Guest/Resource Person/ Keynote Speaker	Ms.Sarirekha Vengatesh, Art of Living Faculty Ms. Poornima Devi T. M, Art of Living Faculty Ms. Ramya Rajeshekar, Art of Living Faculty Mr. Ajay Kumar, Art of Living Faculty Dr. Jayanthi, Art of Living Faculty Ms. Manju, Art of Living Faculty Ms. Indhumathi, Art of Living Faculty
No. of Participants	479

1. The VAC304 course on "Youth Empowerment & Skill" is a collaborative effort between the Wellness Centre and the Career Development Centre, conducted in association with "The Art of Living" Organization. This Phase - II course focuses on life skills and values, aiming to significantly enhance students' social responsibility and teamwork through activities such as the MAD (Make a Difference) Activity.

2. he course is structured to span 30 hours, divided into two phases. Phase II, comprising 15 hours, covers a wide range of topics including Yoga for Breathing such as Pranayama, Sudarshan Kriya, Meditation, Concentration Pranayama, Secrets of Studies: Don't Study For Marks - Study for Knowledge, Revision of 5 Sutras, Time Management, etc.

3. As part of the course, students engage in the MAD (Make A Difference) activity, where they strive to make a positive impact on themselves and others. This includes dedicating 2 hours to cleaning the campus, and fostering a sense of social responsibility and teamwork among students. By participating in this activity, students not only contribute to the cleanliness but also develop a stronger sense of community and shared purpose.

Interesting activity such as MAD (Make a Difference) to improve students to develop social responsibility, and teamwork and students practicing Yoga and Pranayama

Research

Event title	One Day Workshop on "Efficacious Research Paper Writing"
Event Category	Faculty Development Programme
Date and Duration	13th April 2024, 10 am - 4 pm
Co-ordinators	Dr. P. Manojkumar, Professor & Lead Research Dr Chitra V, ASP/Maths, CTLP - Faculty Coordinator Dr Jothibasu M, AP(Sl.Gr)/ ECE, CTLP - Faculty Coordinator
Resource Person	Dr. C. Balaji, Professor-IIT Madras
No. of Participants	27 faculty

1. The workshop aimed to equip participants with essential skills and knowledge required for effective research paper writing. It commenced with a warm welcome from the Principal, followed by an introduction session.
2. Dr. C. Balaji, a Professor from IIT Madras, served as the resource person for the workshop. The agenda included sessions on Understanding Research Paper Structure, Literature Review, Writing Strategies, Data Analysis and Interpretation, Citation and Referencing, and the Peer Review Process. Throughout the workshop, interactive sessions and tutorial opportunities allowed participants to actively engage and seek clarification on various aspects of research paper writing.
3. The workshop provided a valuable platform for participants to acquire essential skills and knowledge in academic writing.
4. Dr. C. Balaji's expertise and guidance enriched the learning experience, enabling participants to enhance the quality and impact of their research contributions. Dr. P. Manoj Kumar, Lead-Research and Coordinator-CTLP extended the gratitude to Dr. Balaji and all participants for their active participation and contribution to the success of the workshop.

Dr. C. Balaji sharing his expertise with the faculty members

Abroad Visit:

Dr N Saravanakumar, Principal, PSG iTech visited twelve US universities from 8th May to 5th June 2024. He discussed the possible collaboration regarding the twinning programmes, faculty exchange and student exchange. He had meetings with senior administrators and faculty members of the university to explore collaborative opportunities.

Visit to Fairleigh Dickinson University by Dr N Saravanakumar, Principal, PSG iTech, Dr J Kanchana, Deputy Director, PSG IAS and Dr Srividya, Director, PSG IM on 14th May 2024

Event title	IEEE Technically Sponsored International Conference on "Smart Systems for Electrical, Electronics, Communication and Computer Engineering IC(SEC)^2 – 2024"
Date and Duration	28st & 29th June 2024 & Two Days
Department	ECE
Co-ordinators	Mr. D. Venkatesh, AP, ECE Ms. M. Sowmiya, AP, ECE
Chief Guest/ Resource Person/ Keynote Speaker	Chief Guest Mr. Muralidhara Hosahalli Global Head - Medical Devices and Life Sciences L&T Technology Services Limited, Bengaluru Keynote Speakers Dr. Loganathan Ravi Process Engineer (MOCVD) IQE plc, United Kingdom Prof. Mehdi Seyedmahmoudian Dr Gokul Sidarth Thirunavukkarasu Swinburne University of Technology, Australia.
Session Chair	Dr. Karthika Renuka D, Prof. IT, PSGCT Dr. R .Rekha, ASP, IT, PSGCT Dr. Vinoth Kumar B, Prof. IT, PSGCT Dr. A. Natarajan, Prof, EEE, PSGCT Dr. Nirmal, HoD, ECE, Karunya IST Dr. K Ramakrishnan, Dean, MCET Dr. K. Thiyagarajan, AP(Sl. Gr), ECE, PSGCT Dr. T. Hamsapriya, Visiting Prof, AI&DS, PSGiTech Dr. T. Chellamuthu, AP, EEE, PSGCT
No. of Participants	120

1. Dr. P. Vijayakumar, HoD/ECE & Dean (Electrical and Computer Engineering), welcomed the gathering.
2. The conference report was presented by Mr. D. Venkatesh, AP/ECE.
3. Dr. P. V. Mohanram, Secretary of PSG iTech, delivered the presidential address. He emphasized the importance of blending traditional knowledge with modern technological advancements in the development of high-end medical equipment. Dr. Mohanram insisted on leveraging the talent and skills of young minds to create indigenous medical-grade products that are both precise and accurate, meeting international standards.
4. Dr. R. Rudramoorthy, Director of PSG CARE, emphasized the significance of the conference and its contribution to the allied fields. He highlighted that systems embedded with Artificial Intelligence are still inferior to humans, as they cannot think independently when faced with new situations.
5. In his inaugural address, Mr. Muralidhara Hosahalli mentioned that approximately 85 percent of medical devices are imported from foreign countries. He stressed the importance of transforming research papers and patents into products with practical applications.
6. Mr. Muralidhara Hosahalli highlighted the importance of fostering a mindset of perfection and adopting an interdisciplinary approach to developing medical devices. According to him, the three key attributes of good professionals are competency, the application of skills, and attitude.

7. The keynote address was delivered by Dr. Loganathan Ravi, Process Engineer (MOCVD), IQE plc, United Kingdom. He discussed various challenges in electronic industries, ranging from device development to systems.

8. In another keynote address, Prof. Mehdi Seyedmahmoudian and Dr. Gokul Sidarth Thirunavukkarasu from Swinburne University of Technology, Australia, explained various trends aimed at achieving zero carbon footprint in production.

9. After the keynote sessions, 139 papers were presented across 9 tracks, chaired by subject experts. Best Papers were identified and awarded in each track.

The dignitaries are releasing the conference proceedings in the inaugural function on 28th June 2024

Professional Society and Club Activities

Event title	Voting Awareness Pledge
Date and Duration	1st April 2024
Department	NSS
Co-ordinators	Dr.P.Chinnaraj, Associate Professor Maths Department Dr D.Thangaraju , Associate Professor, Physics Department Ms.K.Santhiya, Assistant Professor, Department of AI&DS
No. of. Participants	900 students

1. NSS of PSG iTech has conducted a voting awareness campaign in the campus on 01.04.2024. The first, second and third year students together around 900 young first-generation voters' have taken the pledge to vote.
2. The conducted pledge to vote fairly was aimed at fostering transparent, inclusive, and ethical electoral practices, encompassing commitments to prevent voter fraud, respect vote confidentiality, and uphold democratic values.
3. The initiative targeted a diverse audience, disseminating the pledge through online platforms, public campaigns, and collaborations with electoral authorities and civil society organizations.
4. Implementation included educational initiatives and monitoring mechanisms to ensure adherence, with recommendations for sustained engagement to promote fair voting practices in future electoral cycles.
5. Three videos were shown by NSS volunteers on voting awareness directed by the election Commission of India.

Voting awareness campaign held on 1st April 2024

Event title	Seven Day Special Camp
Event category	NSS Camp
Date and Duration	05th to 11th April 2024
Co-ordinators	Dr P.Chinnaraj, Associate Professor Maths Department Dr D.Thangaraju , Associate Professor, Physics Department Ms. Santhiya, Assistant Professor, AI&DS Department
No. of. Participants	90 student volunteers

1. The NSS camp began with a focus on positivity, as volunteers divided into seven teams and engaged in various tasks.
2. The day continued with outreach efforts in the nearby village, including informing school students about the camp and conducting management games to foster teamwork. Later, an interactive session with alumni and a thought-provoking debate on generational respect added depth to the day's activities.
3. The vibrant cultural performances of all teams, spreads joy and laughter. The subsequent days were filled with similar Vigor, including morning yoga sessions, fieldwork, community outreach, and educational lectures, culminating in a final day of rallies, valedictory functions presided over by distinguished guests, and a feedback session for continuous improvement, marking the end of a fulfilling and impactful seven-day camp.
4. Throughout, the focus remained on holistic development, community engagement, and gratitude to the organizers for the enriching experience.

Group photo session with NSS volunteers along the Principal and NSS Programme Officers

Event title	"Emerging Trends in Deep Learning for Multimodal Image Fusion and Analysis"
Event Category	One day Seminar
Date and Duration	13th April 2024
Department	ECE
Co-ordinators	Dr M Jothibasu, AP(Sl.Gr) - ECE Ms D Archana, AP(Sr.Gr) - ECE
Chief Guests/ Resource Speakers	Dr Sudhakar Radhakrishnan Mr Boopathi Sakthivel Dr S Esakkirajan Dr C Bagavathi
Session Chair	Dr P R Natarajan (Former Chairman IE(I), Coimbatore Local Centre) Dr M Yuvaraja (Joint Honorary Secretary IE(I), Coimbatore Local Centre)
No. of Participants	52 faculty

1. The chief guest Dr Sudhakar Radhakrishnan, Professor and Head, Department of ECE, Dr.Mahalingam College of Engineering and Technology presented on the medical image processing and analysis, starting with the types/modalities used in medical Imaging and covered various aspects from data processing to classification, compression and wavelet transform.

2. Mr Boopathi Sakthivel, Founder and CEO, Prashan Medical Technologies, Coimbatore explained about some medical devices like X-Ray, CT, MRI and PET machines and their application. He also talked on the business aspects of biomedical research and motivated the students.

3. Dr S Esakkirajan, Professor, Department of Instrumentation and Control Systems Engineering, PSG College of Technology handled an engaging session on Transform Domain based analysis and de-noising of signals.

4. Dr C Bagavathi, Assistant Professor (Sr. Gr), School of computing, Amrita Vishwa Vidyapeetham explained in detail the importance of Multi-modality in image processing, comparing various available image processing techniques. Dr M Yuvaraja, Joint Honorary Secretary IE(I), Coimbatore Local Centre extended the vote of thanks.

Dr C Bagavathi during her session on the topic "Image Processing" on 13th April 2024

Event title	Voting Awareness Program
Date and Duration	16th April 2024 & One Day
Participants	Teaching and non-teaching staffs along with students
Co-ordinators	Dr P.Chinnaraj, Associate Professor, Maths Department & Dr D.Thangaraju , Associate Professor, Physics Department
No. of Participants	100 staff

1. The primary audience for this event is the maintenance staff and the aim was to raise awareness about the importance of voting in a democratic society. During the event, NSS volunteers from PSG iTech highlighted that voting is not just a right but also a civic duty, crucial for the proper functioning of a democratic system.
2. Bycasting their votes, individuals have a say in governance, which in turn affects their daily lives and the broader community.
3. Dr. P. Chinnaraj, the NSS program officer, attended the event and played a significant role in guiding the proceedings. Approximately 100 participants, including the maintenance workers and other attendees, participated in the event.
4. At a certain point during the event, everyone stood to take a pledge, reinforcing their commitment to voting and encouraging others to do the same.
5. The pledge served as a reminder of the collective responsibility to participate in the democratic process. The event was concluded successfully, with attendees leaving with a greater appreciation for their role in a democracy and the importance of exercising their right to vote.

Maintenance workers and other attendees are taking pledge during the awareness programme

Event title	All India NCC Trekking : 2024
Event Category	Trekking
Date and Duration	06th to 13th May 2024 - 8 days
Participants	One ANO and Two NCC Cadets (PSG iTech)

1. The All India NCC Girls Trekking Expedition for NCC Senior Wing and Junior Wing (Girls Division) was conducted by the NCC Directorate of Tamil Nadu, Puducherry, Andaman and Nicobar, under the arrangements of the NCC Group Headquarters, Coimbatore.

2. The expedition took place in two phases at Nilgiris, Tamil Nadu, from 06 May 2024 to 13 May 2024, and from 16 May 2024 to 23 May 2024.

3. The first phase of the expedition, held from 06 May 2024 to 13 May 2024, saw the participation of approximately 525 cadets from various states across the country. The Trekking Expedition covered a distance of approximately 70 km, reaching heights of approximately 7250 ft.

4. Among these participants, 105 cadets represented the Tamil Nadu Directorate, with 28 cadets specifically from the Coimbatore group. Our college was represented by one ANO and two cadets: Cadet Manashwini C. from the 1st year of CSE and Cadet Mokshitha Jayachandran from the 1st year of EEE, accompanied by ANO Lt. Vilasini V., Assistant Professor, Department of CSE.

5. The expedition provided a platform for cadets to engage in physical and mental challenges, fostering teamwork, resilience, and leadership skills in the beautiful and challenging terrain of the Nilgiris.

Group photo session with the NCC Girls during Trekking Expedition along with ANO

Event title	Environment Happening Tomorrow
Event Category	Guest Lecture
Date and Duration	07th May 2024 & One hour
Co-ordinators	Dr. P. Chinnaraj, Associate Professor, Maths Department Dr. D. Thangaraju, Associate Professor, Physics Department Ms. S. Santhiya, Assistant Professor, AI&DS Department
No. of Participants	75 students

1. The event started with Tamizh Thai Valthu. Dr. P. Chinnaraj, NSS Co-ordinator gave an introduction about our guest Mr. Siva, Environmentalist Foundation of India (EFI) Volunteer.
2. He started his lecture with live examples and information about water conservation and he also shared many things which would be helpful to improve our thoughts about environmental awareness.
3. The volunteers, with their commitment and enthusiasm, played a pivotal role in making the event a success. The lecture aimed at raising awareness about the lake conservation and necessary steps to be followed to save the water bodies and wildlife.
4. The event served as a valuable learning experience for NSS volunteers, students to gain knowledge. The active participation of NSS volunteers, students and faculty members contributed to the event's success.
5. Dr. P. Chinnaraj, Associate Professor, Maths Department (NSS Co-ordinator) presented a memento to the speaker and delivered the vote of thanks.

Dr. P. Chinnaraj, NSS Co-ordinator presenting a memento to the speaker

Event title	Seedball making event
Event Category	Plantation
Date and Duration	22nd May 2024 and one hour
Department	NSS
Co-ordinators	Dr. P. Chinnaraj, Associate Professor Maths Department
No. of Participants	46 student volunteers

1. The event was a significant step towards environmental sustainability and reforestation efforts. The session focused on crafting seed balls using seeds from neem, bamboo, and banyan trees, which are known for their ecological benefits.

2. A total of 850 seed balls were produced during the event, reflecting the participants dedication and efficiency. A group of 46 enthusiastic NSS volunteers participated in the event under the guidance of Dr. P. Chinnaraj, the program officer. Their collective efforts were geared towards enhancing biodiversity and contributing to the green cover in the region.

3. The hands-on activity not only provided practical knowledge about seed ball making but also emphasized the importance of environmental conservation. The volunteer's engagement and teamwork played a crucial role in the event's success, demonstrating their commitment to ecological stewardship.

4. The event was further supported by Mr. Siva S. Bala, the acting organizer from EFI, whose expertise and coordination ensured smooth execution. His involvement underscored the collaborative spirit between the NSS unit and EFI, aiming to foster a greener future.

Seedball making event held on 22nd May 2024

Event title	Celebration of "World Telecommunication and Information Society" Day on the Theme "Digital Innovation for Sustainable Development"
Event Category	Professional Society Body Activity
Date and Duration	18th May 2024
Department	IE & ECE
Co-ordinators	Dr M Jothibasu, AP(Sl.Gr) - ECE Ms D Archana, AP(Sr.Gr) - ECE
Chief Guests/ Resource Speakers	Mr S Ramachandran, Principal Consultant – Manufacturing Engineering Infosys Knowledge Institute Bangalore.
Session Chair	Dr J Krishnamoorthi (Chairman, IE(I), Coimbatore Local Centre) Dr G Madhan Mohan (Honorary Secretary, IE(I), Coimbatore Local Centre)
No of Participants	180 students

1. The technical lecture was delivered by Mr S Ramachandran, Principal Consultant - Manufacturing Engineering, Infosys Knowledge Institute, Bangalore. Dr J Krishnamoorthi, Chairman, IE(I), Coimbatore Local Centre gave the welcome and presidential address.

2. Dr P Vetrivelan, Associate Professor, ECE felicitated the event. The importance of World Telecommunication and Information Society Day was highlighted in a speech by Dr. G. Ranganath, President, The Institution of Engineers (India), Kolkata, which was played during the celebration of World Telecommunication Day 2024.

3. Dr M Jothibasu, IE(I) Institutional Coordinator, introduced the guest speaker. Mr. S Ramachandran discussed various digital technologies and their potential to drive sustainable practices across industries. His insights included the application of IoT, AI, and data analytics in enhancing efficiency and reducing environmental impact.

4. The guest speakers were presented with a memento as a token of gratitude for taking time to enlighten the young minds. The vote of thanks was proposed by Dr G Madhan Mohan, Honorary Secretary, IE(I), Coimbatore Local Centre. He also highlighted the benefits of being an IE(I) member and motivated the students to participate in IE (I) activities.

Dr J Krishnamoorthi, Chairman, IE(I), Coimbatore Local Centre delivering the welcome address during the event on 18th May 2024

Event title	World Environment Day celebrations
Event Category	Tree plantation
Date and Duration	05th June 2024 & one hour
Co-ordinators	Dr. A. Kumaravel, Faculty Coordinator (Eco Club)
No. of Participants	85 students

1. The World Environment Day, celebrated on 5th June 2024, marked a significant step towards environmental conservation and awareness.
2. This year's theme, "Restore Our Earth," emphasized the urgent need to take proactive measures to combat climate change, deforestation, and environmental degradation.
3. As part of this global initiative, the eco-club organized a tree plantation drive aimed at enhancing green cover and promoting sustainable practices.

Students planting trees on 05.06.2024 at Miyawaki forest area in PSG iTech

Capacity Building

Event title	One day Workshop on "நமக்கு நாமே தூண்டுகோலாக"
Event Category	Teaching-Learning Practices
Date and Duration	18th May 2024 – One Day
CTLP Coordinators	Dr Chitra V, Associate Professor, Mathematics Dr Jothibasu M, Assistant Professor (Sl.Gr), ECE Department
Chief Guest	Thiru. Bharathipuraskar RJ Mayiliragu K. Sundararajan (Educator, Spiritual Self-Confidence Orator, Writer), All India Radio, Coimbatore
No. of Participants	52 staff

1. Dr.C.L.Vasu, Dean Academics, welcomed the gathering and provided insights on how to equip ourselves with knowledge and skills in the area of Artificial Intelligence.
2. Dr.P.V.Mohanram, Secretary, PSG iTech emphasized the importance of differentiating between subject and object, advising against letting anything disturb inner peace, and understanding that everything happens for a reason.
3. Dr.M.Jothibasu, CTLP Coordinator, introduced the chief guest, Thiru. Bharathipuraskar R J Mayiliragu K. Sundararajan.
4. Thiru. Mayiliragu K. Sundararajan shared various insightful matters, including: Appreciation, Involvement, Ignoring negativity, Value of time, Dedication, Subconscious mind. He enriched his speech with quotes from Thirumanthiram, Narayani, and other sources. He conducted various engaging activities and one such activity was object-finding.
5. The staff members actively participated in all the events and enjoyed the workshop. They found the activities and insights shared by the chief guest was valuable and enriching. Finally, as a token of appreciation, a memento was presented to the chief guest.
6. The formal vote of thanks was proposed by Dr.V.Krishnamurthy, Librarian, PSG iTech.

Active participation by the staff members

Other Major Events:

Event Title	Samartha: 24
Date and Duration	13th April 2024 6.00 to 8.00 pm
Chief Guest	Dr. P.Vijayakumar Dean (Electrical and Computer Engg.)
No. of Participants	All Boys and Girls Hostel residents approx. 1000

1. Ms. Vallikanu, Girl's Hostel Secretary welcomed the gathering.

2. Dr N.Saravanakumar, Principal, PSG iTech delivered the presidential address and featured the essence of hostel life.

3. Dr P Vijayakumar, Dean (Electrical and Computer Engg.) explained the complexities of self-care in the hostel among different branches and their importance in constructing good friendship. The Chief guest Dr. Vijaykumar's address was well received by students.

4. Mr. Ela Sanat, Boy's Hostel Secretary delivered the vote of thanks.

The hostel admin team along with Council members

Event title	Annual Day 2024
Date and Duration	26th April 2024 & 2 hours
Co-ordinators	Dr. P. Vijayakumar, Dean (Electrical and Computer Engineering) Dr. V. Jailaxmi HoD, S&H Dr. S.Aramuthakannan, ASP, Mathematics
Chief Guest	Dr. R. Velraj, Vice Chancellor, Anna University, Chennai
Session Chair	Shri. L. Gopalakrishnan, Managing Trustee, PSG and Sons' Charities
No. of Participants	750

1. 9th Annual Day was celebrated on 26th May 2023 at PSG Convention Centre.
2. Dr. N. Saravanakumar, Principal, welcomed the gathering and presented the Annual Report for the academic year 2023-2024.
3. Dr. R. Velraj, Vice Chancellor, Anna University, Chennai delivered the Chief Guest address, presided over the function and delivered the presidential address. In his chief guest address, he congratulated the management for providing awards for faculty and students that are the driving force for the better performance. Later, the Chief Guest along with Managing Trustee, Principal, Secretary, and Heads of the Departments awarded the overall Best-Outgoing Student Awards. During the event, Deans, all Department Heads, faculty and staff members were present.
4. Dr. P. Vijayakumar, Dean – Electrical and Computer Engineering, PSG iTech, proposed the vote of thanks.

Dr. R. Velraj giving the overall Best-Outgoing Student (Boys) Award to Mr Sharan V of EEE

Event title	9th Annual Sports Day (Sudeva)
Date and Duration	27th April 2024 & 2.00 pm to 6.00 pm
Department	Department of Physical Education
Co-ordinators	Mr. A. Robinson, Physical Director, Mr. Eashwar, Assistant Physical Director, Mrs. R. Vaishnavi, Assistant Physical Directress
Chief Guest	Mr. G. R. Vaishnav, Indian Volleyball Player
No. of Participants	455 (Boys and Girls) 26 (Faculty and Staff members)

1. The 9th Sports Day was celebrated at PSG iTech on 27.04.2024. Dr.N.Saravanakumar, Principal, PSG iTech and Ar.G.Tamilvanan, Principal, PSG IAP presided over the function.

2. Mr. G. R. Vaishnav, a renowned Indian Volleyball Player, 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 sports students.

3. Earlier, Heads of the Dept. and Members of the Faculty distributed the certificates to the participants and winners of various events organized by the Dept. of Physical Education. The finals of the 4x200 relay event were conducted for boys and girls and prizes were distributed to the winners by the chief guest.

4. During the valedictory function, Ms. U. Sasmitha, III B.E. ECE, Sports Secretary of the college welcomed the gathering and Dr. N. Saravanakumar, Principal delivered the presidential address. He highlighted the importance of sports and exercises. Additionally, he introduced the new infrastructures for sports that will be implemented this year. He also motivated the students to do both morning and evening session practices.

5. Mr. G. R. Vaishnav highlighted the significant achievements made by students in various tournaments organized at the zonal and state levels and appreciated them. He emphasized the value of sports quotas in central government jobs and encouraged students to utilize social media for the betterment of sports.

6. Later, Sports Joint Secretaries Mr. S. R. Nikhil Kannan of II B.E. CS&BS and Ms. C. C. Brindha Sree of II B.E. EEE, delivered the Men's and Women's Annual Sports Reports separately. Finally, Men Sports Secretary Mr. C. Kishore of III B.E. ECE delivered the Vote of Thanks.

Chief Guest Mr. G. R. Vaishnav, Principal of PSG iTech Dr. N. Saravanakumar, PSG IAP Ar. G. Tamilvanan award the Overall Championship Trophy for Girls to Alakanandha House which scored 294 points

Event title	Alumni Induction Program for 2020-24 Batch
Date and Duration	9th May 2024 & 3 hours (5:30 pm to 7:30 pm)
Department	Alumni Association
Co-ordinators	Dr. M. Sathiyanathan, Associate Professor-EEE
Resource Person	Dr. C. L. Vasu, Dean –Academics and Dr. P. Vijayakumar, Dean- Electrical and Computer Engineering
No. of Participants	269

1. Mr. S U Navaneetha Krishnan, the President of PSG iTech alumni Association, welcomed the audience and emphasized the notable accomplishments of the alumni. Dr. C L Vasu, Dean-Academics, delivered the keynote address. He highlighted the academic and placement accomplishments of PSG iTech.
2. Dr. P Vijayakumar, Dean - Electrical and Computer Engineering, encouraged students to establish strong networking connections with their classmates and other students on campus, to help with employment requirements and for additional needs.
3. Alumni shared their remarkable experiences throughout their time in college and expressed gratitude towards the faculty members for their unwavering support and encouragement during their academic journey.
4. The Deans and Head of Departments allocated the Merit-Cum-Need scholarships to first and second year students. The scholarship cost of Rs. 9.9 lakh covers the tuition fees for 36 students.
5. The project teams from 2020-24 batch and faculty mentors in each department were awarded for the best two final year projects. The alumni batch coordinator for the 2020-24 batch was introduced to the alumni.
6. Dr. P Vetrivelan, the Dean of the Students Union, together with the Heads of Departments and Deans, presented awards and certificates of appreciation to the office bearers of the students union. Deans, HoDs, faculty members, and coordinators from the Alumni Association were also in present at this event.
7. Dr. M. Sathiyanathan, Associate Professor, Department of Electrical and Electronics Engineering, and Faculty Incharge of the PSG iTech Alumni Association, expressed gratitude on behalf of the organization. He expressed gratitude to the alumni for their kind contributions for Merit-Cum-Need based scholarships for the students. Additionally, he stated that a total of 50 scholarships have been approved for the academic year 2023-24.

Dr. C. L. Vasu, Dean – Academics and Dr. P. Vijayakumar, Dean - Electrical and Computer Engg have delivered special address and distributed the Merit-Cum-Need Based scholarships to first and second year students

Event title	'Sri Vidhya Ganapathy Temple 8th Annual Day Celebration'
Date and Duration	27th June 2024 & Two Hours
Co-ordinators	Dr Jothibasu M, Assistant Professor (Sl.Gr), ECE Department Ms K D Radhamani, Office Superintendent
No. of Participants	80 faculty and staff

1. PSG iTech celebrated its 8th Annual Day of 'Sri Vidhya Ganapathy Temple on 27th June 2024. The celebration was graced by the esteemed presence of Dr. N Saravanakumar, Principal, PSG iTech. His warm welcome and spiritually uplifting address set the tone for a day of devotion and community bonding.

2. The celebration commenced with a special morning pooja performed by the temple priests at 9:00 am, drawing a significant number of devotees who participated with great reverence. The distribution of prasadam at 11:30 am was a significant part of the event, where attendees received blessed food, symbolizing the sharing of divine blessings.

3. It was followed by a traditional lunch. The Annual Day Celebration was a resounding success, achieving its objectives of celebrating the occasion and bringing the community together.

A glimpse of special alangaram of 'Sri Vidhya Ganapathy'