

PSG Institute of Technology and Applied Research
Quarterly Report (Oct – Dec 2021)

Events Organized:

Students Union Inauguration:

PSG Institute of Technology and Applied Research (PSG iTech) inducted the new office bearers for its Students' Union for the academic year 2021-2022 on 11.10.21 (Monday). Dr G Chandramohan, Principal, welcomed the gathering and spoke about the various activities organized by Students' Union in the past. At the same time, he requested the clubs to organize more events for students to enhance their skills for stamping success in their desired career. Shri L Gopalakrishnan, Managing Trustee, PSG Institutions, delivered the presidential address and offered his felicitations. He requested the members to conduct more activities and help every student to enjoy their stay in the campus and take part in sports activities, which will help to stay physically fit. Dr P Vetrivelan, Dean, Students' Union, introduced the new office for the academic year 2021.

Chief Guest of the event Mr Raja Gopal Sunkara IAS, Coimbatore City Municipal Commissioner congratulated all the newly selected office bearers of the Students' Union and requested the members to be ready to address the difficulties faced by students at any point of time. During the talk, he recalled some of his college day memories and shared some tips to excel in life. Also, he urged the members to have plans from day one and execute them before the completion of their tenure. Further, he appealed to them to utilize the time effectively and focus on both academic activities and extracurricular activities. Interestingly, he compared the City Corporation with the Students' Union in identifying, understanding and solving the problems faced by the people and students and shared the challenges involved in solving the problems. Then, he urged the members of the Students' Union to stay in touch with all the students and help them develop their unique skills required for their life. Finally, Mr B Aakash, Final Year B.E. ECE, Secretary, Students' Union, proposed the vote of thanks. The event came to an end with a group photo with all the members.



Principal Dr G Chandramohan, Managing Trustee Shri L Gopalakrishnan, Coimbatore City Municipal Commissioner Mr Raja Gopal Sunkara IAS, Secretary Dr P.V. Mohanram, Dean Students' Union Dr P Vetrivelan along with newly-selected office bearers of the Students' Union are in the photo during the Inauguration of Students' Union 2021

Navratri Golu Celebrations 2021

As part of the Navratri celebrations, *Golu Alankaram*, a display of figurines, was jointly organized by the Drawing and Painting Club (Tulika), Cooking Club (Pushti:) and Music Club for the third year in a row. The *Golu Alankaram* was decorated and displayed in the Office of the Controller of Examinations from 11th to 13th October, 2021. Dolls and idols contributed by members of faculty and students adorned the *Golu* arrangements.

Approximately, 100 clay dolls were arranged in 9 tiers with idols ranging from Nava Shakthi, Ashta Lakshmi, Dasavatharam, Arupadai Veedu, Lord Vishnu, Lord Brahma, and Lord Nataraja etc. Especially, Goddess Varalakshmi idol, an epitome of health, wealth, and prosperity, was beautifully decorated with jewels and kept it in a pot.



Glimpse of Golu Alankaram at Exam Cell on 11th October 2021

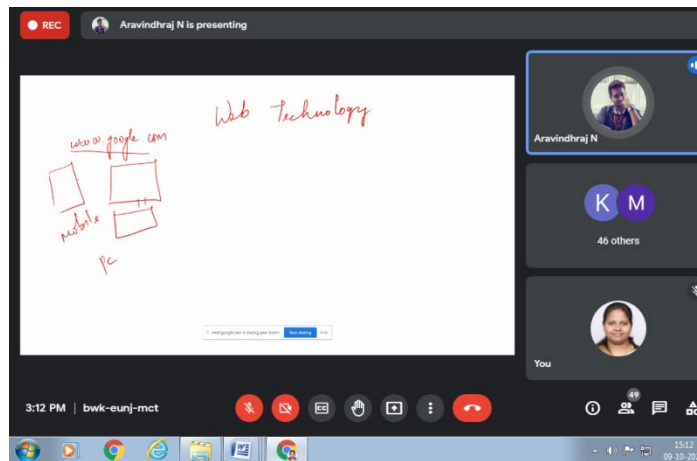
PSG iTech Band members along with Ms. Shanmuga Bhagyasree, an alumna, rendered soulful Bhajans during the first day of the Golu display. Principal Dr. G. Chandramohan, Secretary Dr. P.V Mohanram and Dr R Manimegalai, Professor and Head, Dept. of Computer Science and Engineering presided over the Navratri celebrations.

Apart from Navratri and Saraswati Pooja celebrations, Navratri Art and Cooking feast were organized by respective club members. During the event, students distributed the divine Prasadham. Also, *Mulaipari*, specially prepared by the students, was kept in display in front of the Golu arrangements to add beauty to the festival. Some alluring art works of students were displayed in the hall.

The event was organized successfully by Dr.G.Santhanamari, Ms.M.Deepa, Ms. N. Susithra, Dept. of ECE, Ms.K.Lakshmi Kalpana Roy, Dept. of CSE, and Mr.C.Gopalakrishnan, Dept. of Mech.

Workshop on “Web Technology: HTML, CSS, JavaScript, and PHP with SQL”

The Department of Computer Science and Engineering in association with Computer Science and Engineering Association, the Institution of Engineers (India) PSGI Students’ Chapter organized a workshop on “Web Technology: HTML, CSS, JavaScript and PHP with SQL” on 09th Oct 2021. Mr. N. Aravindhraj, Assistant Professor, Dept. of CSE, PSG iTech, served as the resource person and provided hands on training on HTML for the beginners. Approximately, 50 students participated in the workshop and benefitted.



Workshop on “Web Technology: HTML, CSS, JavaScript, and PHP with SQL on 09th October 2021

Content Writing Workshop

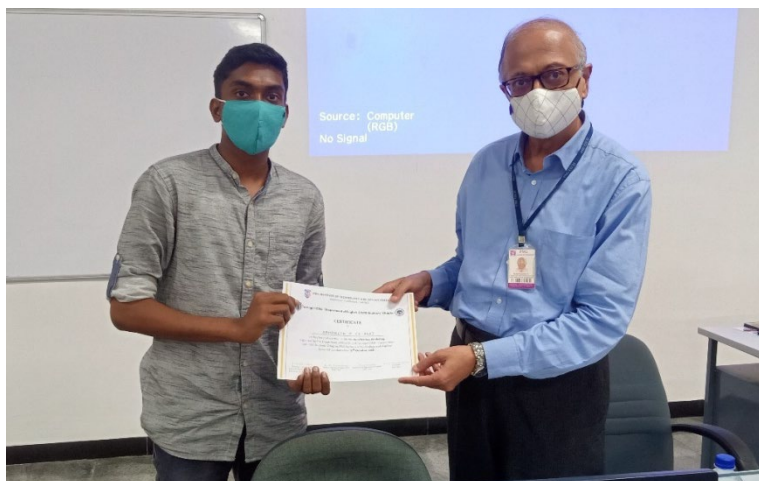
Tarangini Club and the Department of English in association with Indian Society for Technical Education (ISTE) Students’ Chapter of PSG iTech organized a workshop on Content Writing on 12th October 21. Mr D Muralidhar, Manager Training, PSG II, Associate Dean – Higher Education and Training, Dept. of Production Engineering, PSG College of Technology served as the resource person and addressed the participants on various aspects of content writing. Ms.N.Susithra, Assistant Professor, Dept. of ECE, welcomed the gathering and introduced the resource person to the audience.

During the workshop, Mr.D Muralidhar shed light on different types of contents, art of writing contents for various mediums, and tips and tricks for producing effective contents for various purposes. Apart from these, he spoke about the efficacious use of technical tools for writing, proofreading and editing like MS Word and Grammarly.com. The speaker demonstrated the impact of technological tools on writing and underscored the demerits of using such technologies with some examples from various texts.

Other significant components of writing like readability, consistency, spellcheck, syntax and various other metrics associated with writing were also discussed in brief to make participants understand the essentials of writing skills. Approximately, 20 students from various departments and members of faculty participated and benefitted through the workshop.

Dr.P.V.Mohanram appreciated the efforts taken by Tarangini and Dept. of English in organizing such need-based workshops for the students and discussed the demand for good content writers and the job prospects. The session ended with feedback and group photo.

Finally, Ms. N Susithra, Assistant Professor, coordinator of the workshop, proposed the vote of thanks. Dr. K Pramila, Professor and Head, Dept. of English, Ms. N Susithra and Mr K Sakthi Prasanth, Assistant Professors and coordinators of Tarangini Club, coordinated the workshop.



Mr. D. Muralidhar, Manager Training, PSGII, presenting Certificate of Participation to a participant after the Workshop on Content Writing held on 12th October 21

One-day ISEA workshop on “IoT-Edge Ecosystem: A Security Perspective”

The Department of Computer Science and Engineering in association with IIT (Guwahati) organized a one - day ISEA workshop on “IoT-Edge Ecosystem: A Security Perspective” on 18.10.2021. Dr R Manimegalai, Professor and Head, Dept. of CSE, welcomed the gathering.

Dr G Chandramohan, Principal, delivered the presidential address and appreciated the Dept. of CSE for organizing such need-based workshops for the student and faculty members. Speaking on the occasion, he highlighted the importance of imparting knowledge on cyber security and appealed to the students to go beyond the classroom learning and explore the latest trends and knowledge available in this trending field. He stated that cyber security is one of the critical fields in the IT sector. Next, he appreciated the efforts taken by the department in collaborating with IIT (Guwahati) in hosting such workshops for the larger benefit of the students from several colleges of the city.

Dr P V Mohanram, Secretary, offered his felicitations and informed that self-reliance through knowledge, training, and awareness is the need of the hour. In addition, he appreciated the resource persons for educating the members of faculty about the latest methodologies of teaching computer science and requested them to set-up a lab with a vision to provide students an opportunity to develop new applications for addressing the problems faced in the industries and societies. During the workshop, Prof Sukumar Nandi, Senior Professor, IIT Guwahati, thanked the college for taking steps to host such productive programmes for the student’s community.

He spoke about the need for developing new insights and spreading awareness about information security. Also, he shed light upon the projects and PhD dissertations that focussed on the information security and need for future generations in spreading knowledge and awareness about the data security among the members of society including kids and old age people. Later Dr John Jose, Assistant Professor, IIT Guwahati lauded the efforts taken by scientists and health care professionals in vaccinating such a great population and helping people to overcome Covid19. While briefing about the workshop, he highlighted the opportunities waiting for the students and institutions in the field of information security and challenges in protecting confidential data.

Shri Sanjay Kumar Vyas, Scientist 'F', Director, HRD, MeitY, Govt. of India, delivered the inaugural address and emphasised on creating awareness about cyber security among the people of India. In addition, he called for a collaborative learning approach for sorting out the challenges faced by the country and ways to address them via proper training, education and awareness. Further, he stated that the Govt. is keen in organizing boot camps, hackathons, and various competitions for students in developing fresh insights on cyber security. Finally, Dr I Kala, Associate Professor, Dept. of CSE, proposed the vote of thanks.

Dr. S V Srikanth, Joint Director, C-DAC, Hyderabad shed light on various key requirements of an IoT application and shared the reasons for security vulnerabilities that are happening around the world with felicitous examples of such liabilities in IoT applications. He highlighted several applications of IoT such as mimo, google nest etc.

In another session, Dr.Ruchika Gupta, Post-Doctoral Fellow, IIT Guwahati shared some glimpses on paradigm from uncore to multicore. Then, she enunciated the routing algorithm, a procedure to lay down routes to transfer data packets from source to destination. Finally, a live interactive session with student was conducted by Dr. Sukumar Nandi and Dr. John Jose. More than 200 Students and Faculty members from various colleges of Tamil Nadu benefitted.



Group photo of the participants along with the chief guest during the workshop on “IoT-Edge Ecosystem: A Security Perspective ” held on 18th Oct 2021

Student Induction Programme -2021

PSG Institute of Technology and Applied Research (PSG iTech) inaugurated the First Year Induction Program on 20.10.21 (Wednesday). Shri. K Pandiarajan, Chairman, Ma Foi & CIEL Groups, Chennai participated as the Chief Guest and enlightened the students with his insightful thoughts on various aspects of academic and professional life. Dr. G. Chandramohan, Principal, welcomed the gathering and spoke about the various achievements made by the students and faculty in the previous years. It was stated that the college has been ranked 131st in the NIRF-2021 and consistently secured top ranks in the academic performance released by Anna University, Chennai. Also, it was mentioned that PSG iTech is considered as one of the most-sought engineering colleges in Tamilnadu by the students with high-cut offs and almost all the seats are filled in the first two rounds of the Anna University Engineering Admissions (TNEA). During the event, the chief guest Shri. K Pandiarajan honoured the best outgoing students and the over-all best outgoing student of the college.

In his presidential address, Shri L Gopalakrishnan, Managing Trustee, spoke about the establishment of PSG Saravajana School exactly before 100 years and the significant vision set by the four brothers “education for all”. He added that PSG Institutions has a diverse student population in the campus and explained about the various state-of-the-art infrastructural facilities available for students. He requested the students to utilize all the facilities in the campus and become a successful person.

Shri K Pandiarajan, Chief Guest, reminisced his collegiate days at PSG College of Technology and spoke about the way the latest technologies and ideas shaped the entrepreneurship model in India and in various other countries. He explained how some of the significant revolutions like Agricultural Revolution, Industrial Revolution, and IT revolution shaped the world and deliberated about the next revolution as G-Governance, I-Innovation, V- Value, and E-Entrepreneurship (GIVE) along with various examples and stories from real life incidents.

Further, he differentiated science, engineering, and technology with examples to make students to understand the interconnections between them. He emphasized that questioning spirit is important for every student and students must be inquisitive. He encouraged the students to develop self-respect and be self-motivated in their lives. Also, he asked the students to set a goal in life and work towards achieving their dreams for a happy and harmonious living. At last, he urged the students to develop good rapport with everyone and set the right attitude towards life.

In his felicitation address, Dr P.V. Mohanram, Secretary, recapitulated the significant points shared by the chief guest and encouraged students to do more projects during the course of study. Importantly, he appealed the students to ask more questions in the classrooms to gain fresh perspectives. Finally, Dr P Vetrivelan, HoD, Dept. of ECE proposed the vote of thanks.



Ms.S.Roshninaveena, (B.E. ECE 2017-2021), receiving the Best Outgoing Student award from the Chief Guest Shri. K Pandiarajan, Chairman, Ma Foi & CIEL Groups, Chennai during the Inauguration of First Year Students Orientation Programme on 20.10.21

Informal and Interactive Session on “Life Long Learning”

The Department of Computer Science and Engineering in association with Computer Science and Engineering Association organized an interactive session on “Life Long Learning” for the II B.E. CSE students on 25th October 2021. Mr. S. Ramachanchran, Principal Consultant, Engineering Infosys, Knowledge Institute, addressed the students about the importance of networking to achieve their goals. Besides sharing some tidbits from his personal experiences, he explained the way networking helped him to obtain admission to PhD program in Nanyang University, Singapore. The session was interactive and interesting. All the students participated enthusiastically and clarified their doubts.



Interactive session on “Life Long Learning” held on 25th October 2021

Quiz Contest

The Quiz Club of PSG I Tech in collaboration with Students' Union conducted a Quiz Competition on 28th October 2021 to commemorate the 75 years of India's Freedom. Students from various departments enthusiastically participated in the Quiz Contest. The event was aimed to sensitize students about the freedom fighters and various struggles encountered by them for Indian Independence. Members of the club explained the rules for the Quiz Competition, which consisted of two rounds, the preliminary, and the finals. Among the 20 participants, who participated in the preliminary round, six teams were shortlisted for the finals. Students found the event fruitful and they had an enthralling experience. At the end of the event, the winners were awarded with certificates. Finally, the event coordinator proposed the vote of thanks.



Students participating in the Quiz Contest organized by the Quiz Club of PSG iTech to commemorate the 75th Anniversary of Indian Freedom on 28.10.2021

Hands on Training on Reverse Engineering by 3D Printing

A hands-on training programme on “Reverse Engineering by 3D Printing” was conducted between 28th and 30th October, 2021. Participants were given training on several areas such as scanning, modeling, building, slicing, and optimization. They were given ample opportunity to work in different software such as Sense 3D, Solidworks, Simplify 3D, Inspire. During the programme, lattice optimization, topology optimization, and stiffness optimization were demonstrated using case studies such as humanoid arm, prosthetics, and military barrels respectively.

Totally, forty participants attended the programme and some of the notable participants include a dentist from Rainbow Hospitals, Bengaluru, industry personals from PLM Siemens, Pune, LMW, Coimbatore, and members of faculty from academia from Kumaraguru College of Technology, Coimbatore and Builders Engineering College, Tirupur. Finally, Dr P V Mohanram, Secretary, PSG iTech, Dr N Saravanakumar, Professor and Head, Department of Mechanical Engineering, PSG iTech felicitated the participants with Certificate of Appreciation.



Dr N Saravanakumar, HoD (Mech), Mr. J Nagarjun, the faculty trainer, along with the participants at the end of the training programme on 30th October 2021

Tree Plantation:

As part of “International Climate ActionDay” celebration, the Eco Club of PSG iTech organized a Tree Plantation Programme in the college premises on 29th October 2021. Dr. G. Chandramohan, Principal, inaugurated the event. After planting saplings, Principal briefed the students about the importance of planting trees, and vision and mission of the College. About 40 students eagerly participated and planted saplings. Dr. A. Kumaravel, Faculty in-Charge of Eco club, coordinated the event.



Principal Dr. G. Chandramohan planting a sapling during the event held on 29.10.2021

Coding Contest on “Clash of Codes”

Clash of Codes, a coding contest, was organized for II and III B.E CSE students in association with The Institution of Engineers (India) PSGI Students’ Chapter and Computer Science and Engineering Association on 01st November 2021. The contest was conducted with the help of HackerRank, an online coding platform. Two separate problem sets were framed from wide range of concepts from algorithms, mathematics, data structures, and bit manipulations. The questions made the contestants to think out-of-box and helped them to increase their coding, logical thinking and reasoning skills. The contest served as a motivation factor for many students to enter into the world of Competitive Programming. Totally, ninety nine students participated and enhanced their coding skills.



Coding Contest was held on 01st November 2021 at PSG iTech

NBA Expert Team Visit

A team of experts from the National Bureau of Accreditation (NBA) under the chairmanship of Professor Dr Avinash Gajanan Keskar visited PSG iTech from 12th to 14th Nov 2021 to evaluate the quality of programmes offered by the college and for the grant of NBA Accreditation for all the programmes.

S.No.	Name of the Members
1.	Prof.AvinashGajananKeskar-Chairperson
2.	Prof. Farhan Kidwai-Programme Expert Team-Member-CIVIL
3.	Dr.Sarbjeet Singh-Programme Expert Team-Member-CSE
4.	Dr.Manoj Kumar Panda-Programme Expert Team-Member-EEE
5.	Dr.SanjivTokekar-Programme Expert Team-Member-ECE
6.	Dr.PiyushGohil-Programme Expert Team-Member-MECH



Dr.G.Chandramohan, Principal, making a presentation before the NBA Expert Committee during their visit.



Dr.R.Manimegalai, Professor and Head, Dept. of CSE,making the presentation before the expert



Members of NBA Expert Committee visiting the central facilities and infrastructure of the college

Five day Faculty Development Programme on Mathematical Foundations of Data Science

The Department of CSE, PSG iTech in association with PSG College of Technology and PSG CARE conducted a 5-day Faculty Development Programme on “Mathematical Foundations of Data Science” during Saturdays from 9.10.2021 to 21.11.2021. Dr. R. Manimegalai, Professor and Head, Dept. of CSE, PSG iTech, delivered the welcome address. Dr.G.Chandramohan, Principal, PSG iTech, Dr.P.V.Mohanram, Secretary, PSG iTech, Dr. R. Rudramoorthy, Director, PSG CARE, and Dr. R. Nadarajan, Head, Department of AMCS, PSG College of Technology, offered their felicitations. Around thirty two faculty members from PSG Institutions and other engineering colleges in and around the city participated.



Inauguration of the FDP on Mathematical Foundations of Data Science held on 09th Oct 21

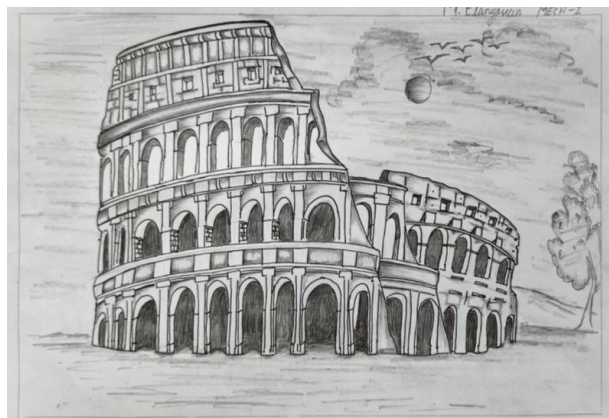
The 5-day FDP ended with hands-on session on exploratory data analysis using Python by Lt. V. Vilasini, Asst. Professor, Dept. of CSE, PSG iTech and demonstration of Edraw and Origin Pro to generate visuals by Ms. K. Lakshmi Kalpana Roy, Asst. Professor, Department of CSE, PSG iTech, who were also the organizers of the FDP.

Sankatahara Chaturthi celebration

Sankatahara Chaturthi was celebrated at Vidhya Ganapathi temple on 23rd November, 2021 in the august presence of the Managing Trustee Shri L Gopalakrishnan along with Dr P V Mohanram, Secretary, Dr G Chandramohan, Principal, PSG iTech, Ar Venkatesh Kumar, Principal, PSGIAP, Dr Nadarajan, Placement Officer, PSG Tech, faculty, and staff members of PSG iTech. An outdoor sketching activity based on the theme “Trip to a Monument” was conducted by the Drawing and Painting Club as a part of Sankatahara Chaturthi celebrations.



A glimpse of the Pooja celebration at Vidhya Ganapathy temple



A drawing competition was organized on the theme “Trip to a Monument” by Drawing and Painting Club

Project Expo 2021-22

The Department of Electronics and Communication Engineering, in association with ECE Association (ECA) and IETE Students’ Forum (ISF), organized a Project Expo-2021 on 16th and 17th Dec 2021 at National Instruments Graphical System Design Centre (NIGSDC) Laboratory. Dr G Chandramohan, Principal, inaugurated the event. Dr P Vetrivelan, Head, Dept. of ECE, faculty members from the Dept. of ECE and other departments evaluated the projects.

Students from all the departments visited the projects. Initially, all the sixty five registered students were split into 22 teams. Later, the students displayed and demonstrated their innovative projects to the evaluators and the visitors. Many interesting projects from different domains like IoT, Electrical, Machine learning, Web and App development were exhibited. Totally, there were around sixteen hardware and six software projects were kept for the demonstration.



Student participants explaining their projects to the Principal and faculty members on 17th Dec 2021

Convener Dr. P Vetrivelan announced the results and appreciated all the winners and participants. The event was coordinated by Dr. M Jayasanthi Associate Professor, Ms. A. K. Kowsalyadevi, Ms. D. Archana Asst. Professors, Dept. of ECE.

S.No	Project Title	Batch members	Prize
1.	Electricity theft detection system	Gowsika D Naveena C Rama Lakshmi S	I
2.	A-EYE (See the Deaf, Hear the Blind)	Athul Krishna R Colin Rolance D ShyamVikram S	II
3.	LIFI & ultrasonic communication	Devanand R P Karthikeyan A Mahesh Krishna	III
4.	Smart street lights	Lavanya R Anuvratha Vijay	III

Inauguration of ECE Association(ECA)and IETE Student Forum(ISF)

The Department of Electronics and Communication Engineering of PSG iTech inaugurated the ECE Association (ECA) and IETE Students' Forum (ISF) on 08.10.2021. Mr. Prakasham Ponnusamy, Software Development Specialist, Bosch Engineering and Business Solutions, Coimbatore, served as the chief guest. Dr P Vetrivelan, Head, Dept. of ECE, introduced the newly selected office bearers for the academic year 2021-2022. He encouraged the association to conduct more co-curricular, technical, and non-technical activities for the larger benefit of students. Further, he highlighted the importance of understanding and practicing all the twelve Program Objectives, Program Educational Objectives, and Program Specific Objectives.

Mr. M M Sanjit, Secretary (ECA) and Mr. B Ram Narayan, President (ISF) discussed the monthly activities plan, project work consolidation, and conduct of career guidance. Further, the implementation of technical potpourri, arrangement of technical talk, and workshop episodes were discussed in the meeting along with the commencement of electronics & coding club and management & analyst club. Importantly, students were encouraged to write technical papers and publish them in journals.

While delivering his addresses on “Semiconductor Revolution across the Industries”, the chief guest Mr. Prakasham Ponnusamy spoke about the industrial revolution versions from 1.0 to 4.0, artificial intelligence (AI), IoT, and blockchain. The significance of semiconductors in the automotive, infotainment, telecommunication, and shipping industries was highlighted. He mentioned about the transformation of mechanical systems to electronics via sensors along with the electronic control unit (ECU), control area network (CAN), and graphical processing unit (GPU). Moreover, he explained the smartness of various equipment and its connection with the internet, application, and merits of LED with energy-saving at an affordable cost. Around eighty students participated in this event. Finally, Ms. C Aishvarya, Joint Secretary (ISF), proposed the vote of thanks. The event was coordinated by Dr. M Jayasanthi and Dr. G Santhanamari, Associate Professors, Dept. of ECE.



Dr. P Vetrivelan, HoD-ECE, Chief guest, Mr. Prakasham Ponnusamy, Dr. M Jayasanthi, Associate Professor along with the office bearers of ECE Association (ECA)

NCC Annual Training Camp

The annual 9-day NCC training camp was held at Avinashilingam Institute for Home Science and Higher Education for Women from 22nd to 30th November 2021. NCC officers, Girl Cadet Instructors (GCIs), Permanent Instructor (PI) Staff, and 260 cadets from various colleges in and around the city of Coimbatore participated in the training. Fifteen senior cadets attended the camp for C certificate, eight junior cadets attended for B certificate from PSG iTech. Every day, the cadets were trained physically and participated in various competitions. The first day events started with the welcome speech by Maj. Sripriya, Administrative Officer of 5 (TN) Girls Battalion NCC, Coimbatore.



Cadets with Camp Commandant Maj. Sripriya, SM Sarabjit Singh, ANOs Maj. KavithaSri, Capt Dr.R. Shanthi, Capt. Rachel Priskilla, Lt. V. MalarVizhi , GCIs and PI staff

The cadets were divided into four companies- Alpha, Bravo, Charlie and Delta and our college was a part of the Bravo Company headed by Havildar Jebaraj. Parade training was given to participants. Later, college teams were divided for the drill competition and each college practised individually after the company drill. Then, the theory classes were conducted on various subjects like Field Craft and Battle Craft, Health and Hygiene, Weapons, Map Reading, First Aid, and Fire Fighting etc. Practical demo of map reading, kholna - jhodna of weapons was demonstrated and the students had the chance to do the same practically.

The PI and GCI staff prepared the students for both physical and written examination. Besides training sessions, extra-curricular activities and competitions like debate, extempore, quiz, drill test, written exam were conducted every day. The drill competition was held on 29th Nov for all 12 teams and prizes were distributed on the last day (30th Nov 2021). In the competitions held, PSGiTech cadets bagged meritorious positions.

Ms.S.Kavya of IV Year B.E. ECE won the gold medal in debate competition, Ms.S.Kanishka of IV Year B.E. ECE won the gold medal in Kholna - jhodna, Ms.S.Manjuvidya of III B.E. EEE won the silver medal in quiz, and our contingent won the third place in the drill test headed by contingent commander K K Shreenidhaa of IV Year B.E. ECE.



Sgt. Kavya S receiving the gold medal for Debate Competition

The camp provided the cadets a chance to witness life beyond the campus and imparted several soft skills like time management, teamwork, and endurance along the process. The 9-day camp ended with the closing ceremony at the auditorium.

NSS Special Camp 2021

Under the motto of “Not Me But You”, the NSS volunteers of PSG I Tech conducted a 7-day special camp at Vellanaipatti village, North Coimbatore served the people of Vellanaipatti and Serayampalayam village from 15th to 21st Dec 2021 under the guidance of NSS Programme Officers Dr.P.Chinnaraj, Asst. Prof (Sl.Gr) and Dr. R. Ravikumar, Asst. Prof (Sl.Gr). Sixty five enthusiastic volunteers participated in this camp with enthusiasm and worked diligently. The volunteers stayed in the Periyannayagi Amman temple and carried out their services on all seven days. “Youth for Clean India” was the theme for the camp.



Inauguration of NSS Camp by Dr G Chandramohan, Principal on 15th Dec 2021



Volunteers going on a rally on the theme “Avoid Tobacco and Plastics”

Orphanage Visit to Sri Sankara Sevalayam

The National Service Scheme (NSS) Club of PSG iTech organized a one-day visit to Tiruppur-based orphanage named Sri Sankara Sevalayam on 20.11.2021. Dr.P.Chinnaraj, Assistant Professor (Senior Grade) and NSS Program Officer along with NSS student members raised funds of Rs.10,000/- and collected contributions in the form of toys, dresses, and stationary items, and donated them to students of the orphanage. The inmates of the orphanage were engaged happily and productively in several activities like passing the ball, musical chair, dancing and singing. They were encouraged to display their unique talents like singing and dancing. Later, all the students enjoyed a delicious lunch together with a grateful prayer. The NSS volunteers served food for the students to make their day memorable. Finally, children and the caretakers expressed their thoughts about their enriching experience. Dr.D.Thangaraj, Asst. Professor, Dept. of Physics, accompanied the volunteers and guided the students about the joy of sharing.



Dr P Chinnaraj, Asst. Prof (Sl.Gr.) of Mathematics &NSS Program Officer, Dr.D.Thangaraju,Asst.Professor,Dept.ofPhysics,alongwithNSSvolunteersareinthegroup photo taken during the orphanage visit to Sri Sankara Sevalayam on 20.11.2021

Inauguration of Association of Consulting Civil Engineers (I) - Student Chapter 2021-2022”

The Department of Civil Engineering in association with the Association of Consulting Civil Engineers (India) organized the “Inauguration of Association of Consulting Civil Engineers (I) - Student Chapter 2021-2022” on 3rd Dec 2021 (Friday). Dr. M I Abdul Aleem, Professor and Head, Dept. of Civil Engineering, welcomed the gathering and delivered the presidential address. He explained about the strong ties between ACCE (I) and PSG iTech student chapter. Followed by, Mr. K Sakthiprasanth, Assistant Professor, Dept. of Civil Engineering, briefed about the ACCE (I) and introduced the office bearers for the academic year 2021-22. Er. J Prem Kumar, Chairman, ACCE (I), Coimbatore, addressed the students on “Chance or Choice of Civil Engineering”. He appreciated the interest of students for opting Civil Engineering program and requested them to make fullest use of this opportunity and strengthen their knowledge.

Also, he elaborated the recent trends in Civil Engineering like building information modelling (BIM), drone surveying, 3D printing, and artificial intelligence. In addition, he gave some tips to students on how to improve their communication and professional skills. Finally, Mr. K S Risvan, President, ACCE (I), Student chapter, PSG iTech, proposed the vote of thanks.



Er. J Prem Kumar, Chairman , ACCE(I), Coimbatore Chapter and all dignitaries along with Student Office Bearers of ACCE (I) - Student chapter 2021-22, PSG iTech

National Conference on Recent Advances in Computing and Information Technology

The Department of Computer Science and Engineering of PSG iTech organized a 2-day national-level conference on “Recent Advances in Computing and Information Technology” during the 3rd-4th December, 2021 with the theme of Artificial Intelligence and Computer Vision. The conference was well-received by the faculty members, students, delegates from various colleges in Tamil Nadu and southern parts of India.



Dr G Chandramohan, Prinicipal, PSGiTech presenting Memento to the Chief Guest Mr Ganesh Kumar Sundaram, Vice President – Strategic Initiatives, Payoda Technologies along with Dr P V Mohanram, Secretary, PSGiTech, Dr R Manimegalai, Head of CSE, PSGiTech and Organizing Secretaries Dr V C Mahavishnu and Mr N Aravindhraj

Intelligence and Computer Vision. The inaugural function started with an invocation. Dr R Manimegalai, Professor and Head, Dept. of Computer Science and Engineering, delivered the welcome address. She welcomed the gathering and emphasized on the need for conducting such conferences. Dr V C Mahavishnu, one of the organizing secretaries, presented the conference report. Out of eighty three papers received, forty one papers were accepted for presentation after double-blind review.

Principal Dr G Chandramohan, shared his views on computer vision, artificial intelligence and compared it to the human brain and its functionalities. He also briefed about the importance of Cyber security and its uses in various fields.

Dr P V Mohanram, Secretary at PSG iTech, highlighted the importance of presenting papers at international conferences. He asked the students to participate and publish papers in Scopus-indexed journals. He underlined the use of artificial intelligence in railways, market trends, healthcare and self-driving cars, etc. He also quoted an example from Mahabharata, where Sanchaya was informing the scenario of war field to Dhritarashtra which is similar to computer vision technology.

The chief guest of the conference Mr Ganesh Kumar Sundaram, the Vice President - Strategic Initiatives at Payoda Technologies, Coimbatore enlightened the audience by illustrating the future of artificial intelligence. He elaborately discussed the research issues, challenges, and industry trends in the field of artificial intelligence and computer vision. He underscored the different use cases of artificial intelligence such as security, finance, medical, autonomous vehicles, etc. He stressed the importance of upskilling the students in the following domains: machine learning, deep learning, robotics, computer vision, and convolutional neural networks. Also, he encouraged the students to contribute in open-source community projects. The session ended with question-answer, where several students had the opportunity to interact with the chief guest.

Finally, Mr N Aravindhraj, one of the organizing secretaries of the conference, proposed the vote of thanks.

Eminent speakers from industry and academia were invited to give the keynote speeches as part of the national conference on “Recent Advances in Computing and Information Technology”. The keynote speeches include 1) AI and Data Science Trends for the Decade by Dr Ebin Deni Raj, IIIT – Kottayam 2) Building a Career in Cyber Security Tata Consultancy Services – Hyderabad by Mr Vishak Raman, Director - Security Business, Cisco - India & SAARC 3) Trustworthy AI : Industry Perspective by Dr Sitarama Brahmam Gunturi, Head, Software Product Development, TCS – Hyderabad and 4) Artificial Intelligence in Social Network Analysis by Dr M Venkatesan, NITK – Surathkal.

Combined Annual Training Camp - 2021

A 7-day NCC Annual training camp for 6 (TN) Medical Company was held at RVS Technical Institute, Sulur from 6th to 12th of December, 2021. Two hundred cadets from in and around Coimbatore attended this camp to qualify them for appearing in the B certificate examination. 16 senior cadets from attended this camp. The camp began with the opening speech delivered by Major Dinesh Davis.

The camp was administered by 7 Permanent Instructor Staff and 2 Associate NCC Officer. The cadets were divided into three companies Alpha, Bravo and Charlie and our college was a part of Charlie company. Rigorous physical and drill training was given to cadets along with weapon training, war field training and basic wartime medicine.

Every day, the cadets were trained physically and students taken part in competitions. In the weapon training session, we had a hands-on session on kholna-jhodna and rifle shooting. During war field training, they were trained to pitch a tent, along with Field Craft and Battle Craft and Reading maps. In

basic medical course, the students learnt how to administer first aid and how to maintain personal health & hygiene. Rifle shooting and kholna-jhodna competition were held on 11th of November 2021 in which cadet Mr.K M.Sriram of 2nd-year, B.E. Mechanical secured the second place in rifle shooting and cadet Mr.S Atharsh of 3rd - year, B.E. EEE secured the first place in kholna-jhodna. The camp culminated with cultural events and a closing address by Maj. Dinesh Davis. This camp helped students to understand the hardships in life and inculcated discipline and punctuality.



AIMTDR

Conference 2021:

Combined Annual Training Camp 2021

The Dept. of Mechanical Engineering of PSG College of Technology and PSG iTech jointly organized the 8th International and 29th National Conference on “Transformational Changes in Manufacturing” during 9th-11th December 2021.

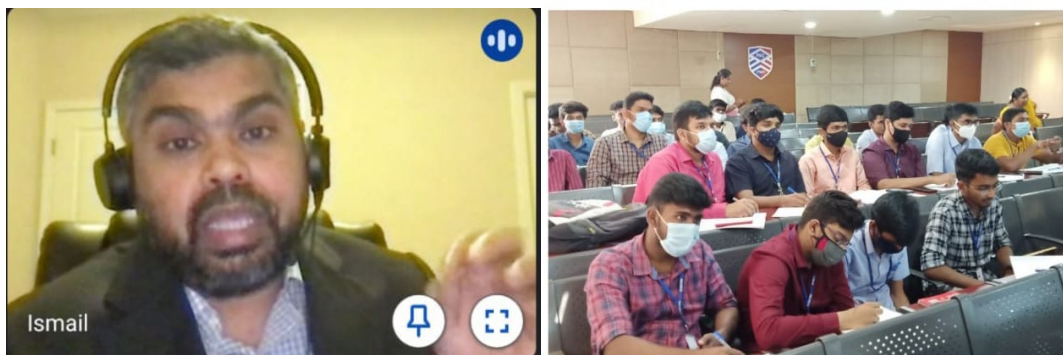
The conference served as a platform for intensive networking and fruitful interaction, where technocrats, academicians, researchers, practicing engineers, entrepreneurs, corporate executives, industrialists, startup professionals, and budding engineers exchanged their ideas and shared their experiences.



ShriL Gopalakrishnan, Managing Trustee, PSG Institutions presenting the Lifetime achievement Award to Mr Mohanram, IMTMA, Bangalore during the AMTDR 2021 conference on 08.12.21

Talk on ‘Decision Science and Intelligence in the Context of an AI/ML Driven World’

The Department of Computer Science and Engineering, PSG iTech organized the eighth Technical Talk under the banner Bits, Bytes & Packets, a series of Online Talks on Computer Science Topics and Alternative Career Options, in association with the Institution of Engineers (India) PSG I Students Chapter held on 10th December 2021. Mr. Ismail Syed Mohammed, Managing Director, North America Oracle Utilities Industry Lead, Accenture – USA, delivered the talk. He started with the importance of artificial intelligence (AI) based applications and how AI is changing our daily lives: i) the way we socialize, ii) the way we personalize, iii) the way we automate and industrialize, and, iv) the way we augment human intellect. Also, he explained the impact of gap between decisions taken and AI driven solutions. He described how decision intelligence impacts tech-giants like Uber Eats, Swiggy and BigBasket. He highlighted that decisions are influenced by i) what we want to achieve i.e. outcome, ii) things that we care about i.e. factors and weight, iii) priorities i.e. order of importance, and, iv) the available options. Further, he explained that the decision intelligence framework involves outcomes, decisions, and mechanics. Around 152 students and faculty members from various engineering colleges across Tamil Nadu have attended and benefitted from the talk.



Talk on ‘Decision Science and Intelligence in the Context of an AI/ML Driven World’ held on 10th December 2021

Entrepreneurship Awareness Camp

The Entrepreneurship Development Cell (EDC), in association with PSG STEP, organized Entrepreneurship Awareness Camp from 21 to 23 Dec 2021. The event was sponsored by PSG STEP with a sum of Rs.20,000. About 85 students from various departments participated and got trained in entrepreneurial skills. Dr G Chandramohan, Principal, welcomed the gathering. Chief Guest Er. Manikandan, Founder and CEO, GREENERG Mobility Solutions Pvt. Ltd, Coimbatore delivered the inaugural address and motivated the students to become entrepreneurs at the earliest age in life after graduation. Followed by his session, Dr R Ramachandran of PSG CT delivered a lecture on “Entrepreneurial Competencies”. In another session, Ms B Kayalvizhi, Assistant Director of MSME, Coimbatore, delivered lecture on “MSME- Policies & Support Schemes”, Ms Niveditha Ramasamy, Interior Designer, Utpura, shared her entrepreneurial journey. On 23.12.2021, participants visited the Incubation facilities available at PSG College of Technology, Peelamedu.



Principal, Dr G Chandramohan presenting a memento to the chief guest during the Entrepreneurship Awareness Camp held on 21.12.2021

Project Exhibition

The Electrical and Electronics Engineering Association and ISTE Students chapter jointly organized a project exhibition on 22nd December, 2021. Students of all five departments visited the exhibition. Totally thirteen projects were displayed in the expo. Students, who exhibited their project work, gave a detailed explanation to all the visitors. Principal, Dean and HoD appreciated the efforts taken by the students. The event was coordinated by Dr. C. S. Subash Kumar, Associate Prof and Dr. M.Sathiyathan, Asst.Professor (Sr. Gr.).



Principal Dr. G. Chandramohan interacting with second year EEE students during project exhibition

The projects were evaluated by the faculty members and first three places were chosen for prize. The projects which won prizes are listed below:

Prize		Project Title	Project Team
First		Baby Monitoring System	Sharan.V, Sharan.U Varsha.N, Sai Shri Mouriya C.M
Second		Eazykart-Intelligent Shopping Trolley	Vignesh M, Mohammad AseemAsfak
Third		Bluetooth Based Induction Motor Monitoring System	Shahana R, Dharsana A, Preethi K
		Fire Fighting Robot	Rohit.H, Prabakaran T, Manoranjan.M, Sreehareesh VL, SanjayKumar K

National Mathematics Day -2021

To commemorate the birth anniversary of great mathematician Srinivasan Ramanujan, the Department of Mathematics organized the National Mathematics Day on 22nd December 2021. Dr. T Velusamy, Former Principal, Government Arts College, Paramakudi, served the chief guest and delivered a talk on “Positive Thoughts in Younger Minds”. He spoke about the Ramanujan’s result on infinity. Around 80 students from all branches of engineering departments actively participated in this lecture. Dr. V. Jailaxmi, Professor and Head, Department of Mathematics, welcomed the gathering. She explained that the magical number 1729 is the smallest number which can be expressed as the sum of two cubes in two different ways discovered by Srinivas Ramanujan. Later, Dr. S. Aramuthakannan, Associate Professor, introduced the chief guest. Dr. R.S Sankarasubramanian, Professor, proposed the vote of thanks. As part of the celebration, Maths Quiz: “Cipher 1729” was conducted by the “iTech Intellect Quiz Club. About fifty five students from all the branches of first years participated in this Quiz competition. Prizes were distributed for the first three prize winners.



National Mathematics Day Celebration on 22nd December 2021

NCC Orientation Programme (2021 - 2022)

The NCC orientation programme (2021 - 2022) for 6 (TN) Medical Company NCC and 5 (TN) girls Battalion NCC took place on 24th December 2021 at PSG iTech.

Mr J Avinash, Asst. Commandant Indian Coast Guard and the event, participated as the chief guest. Dr.G.Chandramohan, Principal and Dr.P.V.Mohanram, Secretary of PSG iTech offered their felicitations. Lt. V Vilasini presented the camp report followed by a ranking ceremony for the seniors. Later, the chief guest Mr J Avinash shared his rich experience of becoming an Assistant Commandant in the Indian Coast Guard. Also, he motivated the young NCC cadets to pursue a career in armed forces. Dr.G.Chandramohan, Principal, highlighted the integral role of NCC in educational institutions. Next, Dr PV Mohanram, Secretary, PSG iTech, shared his memories with the chief guest during his good old college days, hardships which he had gone through. The event was coordinated by faculty Lt. V Vilasini and CTO. P. Gajendran.



Dr. G. Chandramohan, Principal addressing the integral role of NCC to Cadets



Chief Guest Mr Avinash J addressing the gathering during NCC orientation

Guest Lecture on “Artificial Intelligence: Past, Present, and Future”

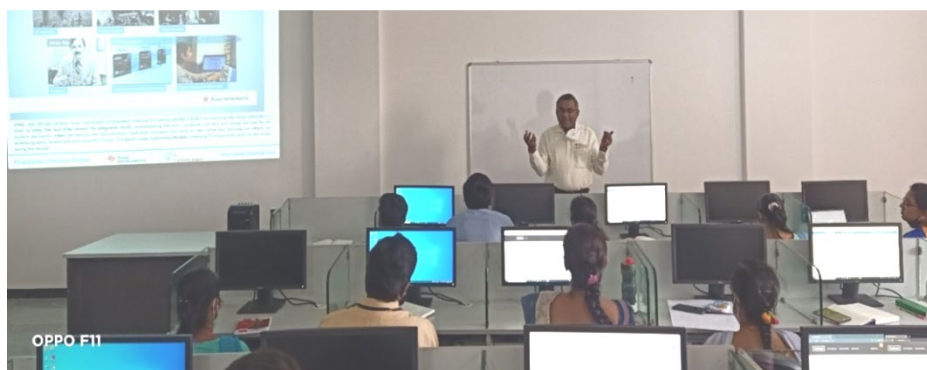
The Department of Computer Science and Engineering, PSGiTech organized a Guest Lecture on Artificial Intelligence (AI): Past, Present, and Future on 23rd December 2021. Dr. G. Chandramohan, Principal, PSGiTech, delivered the welcome address and Dr. R. Manimegalai, HoD, Dept. of CSE, introduced the Chief Guest Dr. C. Mohan, Distinguished Visiting Professor (Tsinghua University). The resource person addressed the students on “Artificial Intelligence (AI): Past, Present, and Future”. He discussed various issues and the need for the AI and emphasized on the fact that “Data is the New Oil”. He elaborated the 3 waves of AI and the use of Knowledge Representations. The session was very interactive and was well-received by the participants. At the end of the session, Dr. V. C. Mahavishnu, Assistant Professor (Sr. Gr), Dept. of CSE, proposed the vote of thanks.



Guest Lecture on “Artificial Intelligence (AI): Past, Present and Future” held on 23rd Dec 2021

Three days FDP on “Internet of Things and Wireless Sensor Network”

The Department of Electronics and Communication Engineering conducted a three-day Faculty Development Programme (FDP) on “Internet of Things and Wireless Sensor Network” from 20.12.2021 to 22.12.2021. The training was conducted by the Texas Instruments University Programme through STEPS Knowledge Services Pvt. Ltd, Coimbatore. Mr. V. S. Ramesh, Director, STEPS Knowledge Services Pvt. Ltd, addressed the students and members of faculty. Finally, Dr. G. Chandramohan, Principal, thanked the resource person, participants, coordinators and distributed the certificates.



Mr. V. S. Ramesh, Director, STEPS Knowledge Services Pvt Ltd, addressing the participants on “Internet of Things and Wireless Sensor Network” on 20.12.2021