

PSG Institute of Technology and Applied Research

Annual Report April 2020 - March 2021

1. Institutional Achievements

GRIHA Certification



PSGi Tech has been awarded Four Star Provisional Rating by GRIHA

ACI Award for University Student activities – Excellent University 2020



PSG iTech has been awarded “2020 Excellent University Award” by American Concrete Institute for three consecutive years

2. MoUs

MoU signed between NHAI and PSG iTech

The National Highways Authority of India (NHAI) and the Department of Civil Engineering, PSG iTech entered into a Memorandum of Understanding (MoU). The signing of the MoU held on 12th August 2020. The objective of MoU is to share the knowledge mutually by NHAI and PSG iTech with respect to improving the infrastructure of the road stretch adopted by PSG iTech under the ambit of Institutional Social Responsibility on NH 544 (Chengapalli to Walayar). The adoption of road stretch by the institution helps in accessing the important and necessary data by faculty and students of PSG iTech for conducting critical research activities and suggest measures to improve the quality and safety aspects of the adopted stretch. The MoU will also help the institution to create additional laboratory facilities supporting the research related to road transportation. Dr.P.V.Mohanram, Principal, Dr.G.Chandramohan, Vice-Principal and Dr.M.I.Abdul Aleem, Head of Department of Civil Engineering, PSG iTech along with Mr.U.Udhayasankar, Project Director, NHAI were present during the signing of the MoU.



MoU signed between NHAI and PSG iTech held on 12th August 2020

MoU signed between M/s A&A Associates Chennai and PSG iTech

PSG iTech has signed a Memorandum of Understanding (MoU) with M/s A & A Associates, Chennai on 9th October 2020 for collaborative research between the two organizations in the broader area of Water and Sanitation. Dr. P.V. Mohanram, Principal, PSG iTech and Mr. Vivek Subramanian, Director, A & A Associates signed the MoU in the presence of Dr. M.I. Abdul Aleem, HoD, Department of Civil Engineering, Dr.N.Saravanakumar, HoD, Department of Mechanical Engineering and Dr. P. Perumal, Professor, Department of Civil Engineering. During the occasion, Dr. P.V. Mohanram, Principal emphasized the need for forging partnerships between academia and industry to work on socially relevant projects. Dr. M. Devasena, Associate Professor, Department of Civil Engineering and Dr.P.Manoj Kumar, Associate Professor, Department of Mechanical Engineering are the key technical experts for the research project which is intended to find solutions to the existing water problems and thereby improving efficiency of academia - industry for benefit of the society in large.



MoU signed between M/s A & A Associates, Chennai and PSG iTech on 9th October 2020

MoU between PSG iTech and M/s Padmavahini Transformers Pvt. Ltd

On 3rd December 2020, Department of Electrical and Electronics Engineering, PSGiTech, Coimbatore signed a Memorandum of Understanding (MoU) with M/s. Padmavahini Transformers Pvt. Ltd., Coimbatore. The MoU covers research collaboration in the development of sustainable dielectric materials, high voltage engineering and power industry waste management, and facilitates internship and training for students and industry personal. Dr. P V Mohanram, Principal, PSG Institute of Technology and Applied Research, Coimbatore welcomed Mr. R Vathirajan, Managing Director and Mr N Karthik from M/s Padmavahini Transformers Pvt. Ltd., Coimbatore, and Dr. G Chandramohan, Vice-Principal, Dr.C L Vasu, HoD, Department of Electrical and Electronics Engineering, Dr. G Latha, HoD, Department of Chemistry and other Professors from PSG Institute of Technology and Applied Research, Coimbatore.



Dr. P V Mohanram, Principal, Mr. R Vathirajan, Managing Director, M/s. Padmavahini Transformers Pvt. Ltd., Coimbatore exchanging the MoU in the presence of Dr. G Chandramohan, Vice-Principal, Dr. C L Vasu, HoD-EEE, Dr. G Latha, HoD – Chemistry, professors and other dignitaries

The Principal congratulated Dr M Mohamed Iqbal, Associate Professor, Department of EEE and Dr A Hariharan, Assistant Professor, Department of Chemistry for initiating the research work in collaboration with M/s Padmavahini Transformers Pvt. Ltd., Coimbatore. He pointed out that Industry-Institute Interaction is for mutual benefit, and betterment of society at large is a need for the hour.

The principal recalled the motto of PSG management, 'Service to mankind is a service to God' and hence the facilities available can be used by industry experts also. Dr. G Chandramohan thanked the industry experts for their interest towards the collaboration and motivated the faculty members to focus more on sponsored research. Dr. C L Vasu thanked Mr. R Vathirajan for all the support rendered for research work. Mr. R Vathirajan thanked Principal, Vice-Principal, HoDs and all the dignitaries for the opportunities given and mentioned that the research team is currently developing cost effective materials for the transformer application. Dr M Mohamed Iqbal briefed about nature of the research work taken up currently and he thanked wholeheartedly Mr. R Vathirajan and his team for the support that is being provided.



Mr. R Vathirajan, M/s. Padmavahini Transformers Pvt. Ltd., Coimbatore interacting with Principal, Vice-Principal, HoDs and other dignitaries

3. Major programs (department / colleges programs etc)

Presentation Session on NBA-SAR

IQAC of PSGiTech conducted a presentation session on their respective SAR (NBA) prepared by Department of Mechanical Engineering & Department of Electronics and Communication Engineering. The presentations were made by respective HoD's on 25.06.2020 (Thursday). It was attended by ten faculty members including Principal, Vice Principal and various HoD's.



Dr P Vetrivelan, HoD (i/c) Dept. of ECE presenting his department NBA presentation

Review Session on NBA-SAR

IQAC of PSGiTech conducted a review session by Dr G Sankarasubramanian, Former Professor and HoD, Civil Engineering, PSGTech, on SAR (NBA) prepared by Department of Mechanical Engineering & Department of Electronics and Communication Engineering. The session was conducted in Civil Engg. Seminar hall on 26.06.2020 between 9.30 am to 1.30 pm. Twenty faculty members across all the departments including Principal, Vice Principal and HoDs attended the session.



Dr P Subbaraj, Dean(Electrical Sciences) presenting a memento to Dr G Sankarasubramanian, Former Professor, Civil Engineering, PSGTech during the review session on NBA-SAR on 26.06.2020

The 74th Independence Day Celebrations

India's 74th Independence Day was celebrated in PSG iTech with adherence to Covid-19 protocols, including wearing of protective respiratory masks and social distancing. Dr P V Mohanram, Principal, PSG iTech, unfurled the national flag and delivered the Independence Day address. In his commemorative speech, he spoke about the sacrifices made by the freedom fighters, their patriotism, and inner-strength. Also, he cited excerpts from the Indian Noble laureate Rabindranath Tagore's celebrated work Gitanjali. Later, Dr. S. Arumuthakannan, Associate Professor, Dept. of Mathematics, delivered a motivational talk on "Manathil Uruthi Vendum". He quoted the poetic lines from the works of the freedom fighter Mahakavi Bharathiyar. Members of faculty, staff and quarters residents participated in the ceremony and paid their tributes. Finally, Dr G Chandramohan, Vice-Principal, proposed the vote of thanks.



Dr P V Mohanram, Principal, hoisted the national flag during the 74th Independence Day



Dr P V Mohanram, Principal, delivered the welcome address on the eve of Independence Day

Orientation for Lateral Entry Students

PSG iTech has organized a Virtual Orientation for the lateral entry students, who have joined under the Management Quota, on 5th September 2020 in the college premises. Principal Dr.P.V.Mohanram welcomed the lateral entry students from different disciplines and addressed on several academic challenges they are likely to encounter. During the interactions, it was emphasized that students could approach the Members of Faculty without any inhibitions and unstinting support would be ensured for their academic career. Students were asked to utilize the state-of-art infrastructure facilities available on campus for carrying out their project work and for other research- related activities. Earlier, Mr.C.Mhanoj, an alumnus of B.E. Mechanical Engineering (2019 Batch) and an Employee of Bajaj Auto Ltd., Pune shared several fruitful tips to emerge as a successful graduate and explained the strategies to get placement offers in core companies through a video footage. ‘Peer-to-Peer Learning Method’ was suggested to understand complex subjects like Mathematics III and IV.

Later, Vice-Principal Dr.G.Chandramohan motivated the students and stressed the importance of technical education in the present scenario and their roles as responsible citizens of the nation. Dr.R.S.Sankara Subramanian, Prof/Maths and coordinator of the event, Dr.M.Arun, Asso. Prof. of Civil Engg, Mr.P.Gajendran, Asst. Prof. of Mathematics, and Mr.N.Sethu Narayanan, Asst. Prof. of English were also present in the event.



Orientation for Lateral Entry Students (Management Quota Category) held on 05th September 2020

First Research Seminar

PSG Institute of Technology and Applied Research, Coimbatore in collaboration with the Institution of Engineers (India) [IEI] organized a Research Seminar on 28th September 2020 in the college premises. Around 27 senior members of faculty from various departments participated in the research seminar. Dr P Subbaraj, Dean (Research-Electrical Sciences), welcomed the participants. He made a presentation listing all the agencies, which fund research projects. In the first session, Dr.P.V.Mohanram, Principal, made an insightful presentation on “Applying for Funded Projects: A Sample Preparation”.

Before the commencement of the session, the need to explore and experience the innate consciousness of every individual was emphasized by one of the songs penned by Thayumanavar, a famous Tamil philosopher and saint. The first session was divided into three sections such as Industry-Institute Interaction Strategies, Research and Development Work Strategies and a Sample DST project presentation that was approved for funding in 2010.

During the session, members of faculty were encouraged to involve in industry-relevant projects and engage in dialogue with industry experts for collaborative project works. Also the following points were emphasized:

- The need for electrically-driven equipments and developing control systems based on latest technologies like Machine Learning (ML), Artificial Intelligence (AI), Internet of Things (IoT) was stressed to uplift the research profile of the institution. Later, participants were requested to contemplate on the action plan for continuing the research work in their area.
- They were sensitized on step-by-step method of developing in-house technologies for addressing the challenges faced by the industries and societies, in general.
- It was also suggested to organize project contests for school students to instill research interests.

Besides, the importance of doing ground-level study and demonstrative capability to share the complete research design were also emphasized during the presentation. For enhancing the quality of project presentation, participants were suggested to prepare a detailed and animated block-diagrammatic representation along with a working model.

Conduct of periodic review meetings along with development work was recommended and researchers were strongly advised to conduct reliability test of critical components pertaining to the development work without fail. In addition, finding an industry partner for effective development and marketability of products was insisted for effective outcome of the product. Finally, the session was concluded with some fruitful strategies like flexibility and credibility in preparing the budget and other technical data related to the project.

In the second session entitled “Innovation and Patent Filing”, Prof.M.Alagar, Visiting Research Consultant (Chemistry), spoke about the three important components of leading a successful life from Thirukkural: gaining knowledge, material life, and enjoying a peaceful life. At the outset, the distinction between innovation and invention was discussed with a technical example. He also stressed about the importance of patent filing and product development with novel ideas, which are complementary in nature. The roles and responsibilities of an effective teacher, especially mentoring, were also discussed.

Citations, h-indexes, and impact factor, which are considered to be the three important components that defines the quality of academic institution, was underscored. Also, participants were motivated to inculcate different thinking skills that are required for doing effective research. Further, the members of faculty were suggested to understand the holistic process in developing and patenting a product successfully in the market.

Few other essential qualities required for a researcher like dedication and devotion were also discussed briefly in the presentation. In addition to steadfast commitment, researchers were encouraged develop the spirit of questioning for achieving the desired research outcomes. Two of his current research projects, industrial waste utilization and solid waste management, were also briefly discussed during the presentation. Finally, Dr G Chandramohan, Vice-Principal, shared his closing remarks and proposed the vote of thanks. In his address, the complementary role of science and engineering in developing technologies was briefed. Lastly, he thanked all the participants and appreciated the organizers for their efforts in organizing the research



Prof.M.Alagar, Visiting Research Consultant (Chemistry), addressing the participants on “Innovation and Patent Filing” during the first research seminar held on 28.9.2020

Navratri Golu Celebrations

PSG Institute of Technology and Applied Research (PSG iTech), in association with various non-technical Clubs of PSG iTech organized Navrathri Golu Celebrations in the college premises during 23 – 27 October 2020. During the nine - day celebrations, a special Golu Alangaram was on the display for the members of faculty, staff and students. Around hundreds of dolls, made of clay were arranged beautifully in nine tiers with Navrathri Idols ranging from Nava Shakthi, Asta Lakshmi, Dasaavatharam, Aaru Padai Veedu, Lord Vishnu, Lord Brahma, and Lord Natraj etc. In addition, a Varalakshmi Idol was set-up using a pot, and, it was decorated with eye-catchy jewels as an embodiment of health, wealth and prosperity.

Our Alumni members, Ms J Jayeeta, Ms R M Swaathi, (B.E. ECE 2015 Batch), Ms T Shanmuga Bhagyasree (B.E. ECE 2016 Batch) and Mr S Sai Krishna(B.E. CSE 2016 Batch) recited devotional songs to invoke the Lord Almighty and made the event a remarkable one, through their lively and soulful renderings. To mark the Navaratri Celebrations, a Special Pooja was performed on the final day of the nine-day event.

Dr P V Mohanram, Principal and Dr G Chandramohan, Vice-Principal, and few members of faculty participated in-person for the Pooja. Special arrangements were made for other members of faculty, staff and students to watch the Pooja via, online platform, Google Meet. Dr G Santhanamari, Associate Professor, Dept. of ECE, along with Ms. Lakshmi Kalpana Roy, Asst. Professor (Sr.Gr), (CSE), Ms. Divya, Asst. Professor, (EEE), Ms. Deepa, Asst. Professor (Sr.Gr) (ECE), Mr. Sakthi Prasanth, Asst. Professor (Civil), Mr. Gopalakrishnan, Asst. Professor (Sr.Gr) (Mech.) and Ms. N. Susithra, Asst. Professor, (ECE), PSG iTech organized the event in a grand manner.



Dr. P.V.Mohanram, Principal, Dr.G.Chandramohan, Vice-Principal, Members of Faculty & Staff attended the special Navratri Pooja, organized on 23rdOctober 2020 in the college premises.

First Year Induction Programme 2020 -21

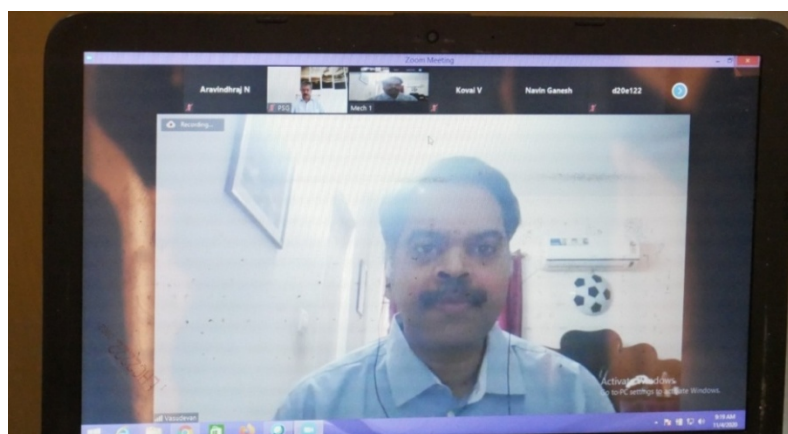
PSG Institute of Technology and Applied Research (PSG iTech) commenced the three-week First Year Induction Programme for the students from 4th November 2020 to 24th November 2020 through online mode with nine alumni speakers and eleven guest speakers. The auspicious event started with felicitations offered by Shri.L.Gopalakrishnan, Managing Trustee, PSG Sons and Charities, Coimbatore. During his address, he highlighted the salient features of PSG Institutions like infrastructure, state-of-the-art laboratories, and outstanding medical services rendered by the PSG Institute of Medical Sciences and Research for the society. Students were requested to seek the help of the counselor during the critical times. He also highlighted the facilities available in PSG Industrial Institute for doing the project works. Also, students were encouraged to utilize the sports facilities available in the campus to keep their mind and physique fit.

Dr P V Mohanram, Principal, welcomed the gathering and introduced the Heads of the departments. In his detailed presentation, matters related to academics, research, projects, placements, and various other aspects of education were elaborated to give a glimpse of the four year academic journey. Mr R Vasudevan, HR Head –Business Group, Tata Consultancy Services, Chennai, delivered the chief guest address on “Industry Expectations and Challenges”. Students were urged to develop three C’s: Curiosity, Communication, and Character for excelling in their personal and professional life. He requested the students to utilize the infrastructure facilities, engage in dialogue, and interact with industry at regular intervals to identify the latest innovations and insights on engineering and technology. Importantly, the speaker appealed the students to develop questioning spirit and application-oriented understanding of technical concepts.

Finally, Dr.G.Chandramohan, Vice-Principal, proposed the vote of thanks. He also spoke about the academic performance of the students during the last six years and various activities organized for students to engage and enhance. Later, he thanked the chief guest, managing trustee, parents, students, and press. Around 300 students along with their parents attended the inauguration.



Dr P V Mohanram, Principal, addressing the students and parents during the First Year Induction Programme held on 04 November 2020. Dr G Chandramohan, Vice-Principal, Dr P Subbaraj, Dean (Electrical Science) are also seen in the picture.



Mr R Vasudevan, HR Head –Business Group, Tata Consultancy Services, addressing the students on “Industry Expectations and Challenges” during the First Year Induction programme held on 04th November 2020.



Mr.R.Nandhakumar, Head, Legal &Admin, Leap Green Energy, Coimbatore addressing the students during the First Year Induction Programme on Future Social Responsibilities of Youth in India Context



Mr.K.Annamalai, Former IPS Officer and Founder, We the Leaders Foundation, addressing the First Year Students during the First Year Induction Programme-2020 held on 12th November 2020



Mr.Subramani, Yoga Master, is demonstrating Padmasana during the First Year Induction Programme– 2020



Dr.P.V.Mohanram, Principal honouring the resource person Mr.V.Rangaraju, Safety Officer, PSG Institutions with a memento during his session on “First Aid, Fire and Safety Awareness” during the First Year Induction Programme on 6th Nov 2020.



Dr. Gopalakrishnan Easwaran, Chair of the Dept. of Engineering, St. Mary’s University, Texas, U.S. addressing the first year students on Learning Experiences in PSG and the U.S. during the First Year Induction Programme 2020 on 18th Nov. 2020.



Dr. V. Kovaichelvan, Director –TVS Institute for Quality &Leadership, TVS Motor Company, Bangalore addressing the students on Transformation of Youth from a Consumer to Contributor during the First Year Induction Programme-2020 held on 19th November 2020



Mr.J.Sujith, Founder, Maatram Foundation, AVP & HR Business Leader, Infosys Ltd., Chennai, addressing the students on Converting Dreams into Reality during the First Year Induction Programme-2020 held on 23rd November 2020



Dr.P.V. Mohanram, Principal, Dr.Chandramohan, Vice-Principal, Dr.P.Perumal and Dr Ramesh, Professors, Faculty and Student Coordinators of Tarangini Magazine are seen in the photo during the release of Tarangini on 24th Nov 2020

NBA Presentation by HoDs and Principal:

As part of preparation for the NBA, a series of presentations by HoDs are arranged related to their department readiness for the NBA. The dates and place of presentation along with photographs are given below:



**NBA Presentation by Dr. R.Manimegalai, HoD/CSE at
CSE Seminar Hall held on 17th November 2020**



**NBA Presentation by Dr. CL Vasu, HoD/EEE at
EEE Seminar Hall held on 20th November 2020**

**NBA Presentation by Dr.P.Vetrivel, HoD/ECE at
ECE Seminar Hall held on 18th November 2020**

**NBA Presentation by Dr. N Saravanakumar, HoD/Mech at
Mechanical Seminar Hall held on 23rd November 2020**

**NBA Presentation by Dr. Abdul Aleem, HoD/Civil at
Civil Seminar Hall held on 19th November 2020**



NBA Presentation by Dr P V Mohanram, Principal at Civil Seminar Hall held on 18th December 2020

Republic Day 2021

PSG Institute of Technology and Applied Research celebrated the 72nd Republic Day on 26th January 2021 in the college premises at 8.00 am. Shri.R.Mylsamy, Managing Director, MM Gears Private Ltd, Coimbatore, served as the Chief Guest and unfurled the National Flag. The event commenced with flag hoisting and National Anthem. Dr. P.V. Mohanram, Principal, delivered the welcome address and recalled the entrepreneurial spirit of the chief guest Shri.R.Mylsamy, who has given employment for hundreds of people in the city. Also, the speech foregrounded the ways and means to calm down the wavering mind through meditation and by uninvolved witnessing. Students were explained about the need for observing the inner consciousness and asked not to be carried away by momentary thoughts.

Shri.R.Mylsamy, in his speech, explained the unsurmountable sacrifices made by the freedom fighters and forefathers to set the country free. During his speech, the philanthropic gestures of P.S.G “Let there be charity, so that others can share my family’s prosperity” was highlighted and audience were requested to share their knowledge and resources with fellow human beings to seek happiness. He appealed the students to utilize the resources available in the college and equip themselves to reach great heights in life. Also, young students were urged to practice meditation and yoga to strengthen their mind and body. Students were requested to understand their larger roles and responsibilities in the society and work for the upliftment. Struggles encountered by parents in their old age, especially how they remain unattended, were highlighted to make young students understand the predominant social challenge.

In addition, the impactful social life led by Mr.P.Subramanian, Founder, Shanthi Social Services, who rendered yeoman service to the society, was recalled and students were asked to commit themselves in social service. Finally, the speaker requested the younger generation to plant saplings, which will be of great help for the future generation. Finally, Dr.G.Chandramohan, Vice-Principal, recalled some of the significant points shared by the chief guest and proposed the vote of thanks. Later, saplings were planted by the Chief Guest, Principal, Vice-Principal, Members of Faculty and Students.



Dr.P.V.Mohanram, Principal, Dr.G.Chandramohan, Vice-Principal, Dr.P.Subbaraj, Dean-Research, honoring the Chief Guest Shri.R.Mylsamy during the Republic Day Celebrations 2021 with a memento

Installation Ceremony of the New Principal Dr.G.Chandramohan

Professor Dr. G Chandramohan has been designated as the new Principal of PSG Institute of Technology and Applied Research (PSG iTech), Coimbatore from 24th February 2021 (Wednesday). Dr. G. Chandramohan has around 38 years of teaching, industry and research experience. He has served at PSG College of Technology in various capacities as Lecturer, Professor, Deputy Controller, Controller of Examinations, Dean - Student affairs and Head of Automobile engineering department. He has served as the Vice Principal of PSG iTech for the past 6.5 years.

During the Installation ceremony, Dr.P.V.Mohanram, Founder Principal, delivered the welcome address and fondly reminisced his professional associations with his mentors Dr.P.Radhakrishnan, Director, PSG Institute of Advanced Studies (PSG IAS), Dr.R.Rudramoorthy, Director, PSG Centre of Academic Research and Excellence (PSG CARE) and many other senior professors at PSG College of Technology during the bygone days as a young professor. Also, he underscored the noble qualities of Dr. R. Rudramoorthy as a teacher and the way he encouraged every faculty to experiment, to learn and to teach.

In his welcome speech, he also appreciated Dr.B.Ramamoorthy, Academic Adviser, PSG Institutions, for all the efforts and guidance that he has been offering all these years for taking this institution to great heights. Also, he recalled the instrumental role played by Dr.B.Ramamoorthy in establishing the PASCO Lab and Polymer Lab for research purposes. Some of his notable qualities like honesty, integrity, and devotion to duty were also highlighted in his speech. Also, he thanked Dr.S.Jayakumar, Professor and Head, Dept. of Science and Humanities, for being a pillar of strength in building this college from the inception and Dr. P. Subbaraj, Dean (Research - Electrical Sciences), for his steadfast commitment in teaching and promoting research culture among the faculty and students.

Speaking on the auspicious occasion, Dr.P.V.Mohanram congratulated Dr.G.Chandramohan, for being promoted as the succeeding Principal of this prestigious institution and praised him for his sincerity, dedication and devotion to duty. He stated that Dr.G.Chandramohan as a man of discipline, integrity, and lifelong learner. Finally, he thanked the management, heads of the departments, members of faculty, staff, and students for their love and support.

Dr.P.Radhakrishnan requested everyone to give standing ovation to Dr.P.V.Mohanram for his selfless service to the college and requested the members of faculty to collaborate with professors and researchers at IITs and NITs for doing meaningful research and getting research grants.

Dr.R.Rudramoorthy, Director, PSG CARE, recalled the time that he spent with Dr.P.V.Mohanram and Dr.G.Chandramohan at PSG College of Technology. Especially, he appreciated the efforts taken by the management in procuring land for expanding the institution to accommodate all the facilities required to promote this institution to international level.

Also, he requested the faculty to invest their full efforts in their academic, administrative, and research works. He lauded the commendable works done by Dr.P.V.Mohanram and requested the faculty to focus on research and add value to the institution.

Dr.B.Ramamoorthy, in his address, shared the remarkable moments he had with Dr.G.Chandramohan during his school and collegiate days and recommended the young teachers to consider the two principals as role models for teaching and learning.

Dr.S.Jeyakumar, Professor and Head, Dept. of Science and Humanities, praised Dr.P.V.Mohanram for his hard work and his commitment. He also congratulated the Dr.G.Chandramohan and wished him all success. Dr.P.Subbaraj, Dean (Research-Electrical Sciences), lauded the achievements of Dr.P.V.Mohanram by citing a couplet from Thirukkural.

Finally, Dr.G.Chandramohan, Principal, commenced his acceptance speech with a note of thanks to everyone and spoke about the greatness of the brand PSG and family culture, which is missing even in great institutions.

Also, he outlined his vision for PSG iTech in nutshell and requested each faculty member to publish at least one paper in reputed journal per year, work for 100% results and placement, and complete at least one online course every year. He requested the HoDs to get two research proposals sanctioned per department every year. Later, he was escorted to the Principal Office.



Dr.G.Chandramohan receiving the order of appointment as the Principal, PSG iTech from Shri L Gopalakrishnan, Managing Trustee, PSG & Sons' Charities on 24.02.2021

National Science Day Celebrations

The Science and Humanities Association and Astronomy club, along with ISTE students' chapter (PSGiTech), celebrated the National Science Day with "Exploring our Universe" as a theme on 24th February 2021. Dr.Devika Kamat, Astrophysicist and Senior Lecturer in Astronomy, Macquarie University, Australia participated as the Chief Guest. Around 150 participants attended the online event. Dr.G.Chandramohan, Principal, welcomed the participants. Further, Dr. P. V. Mohanram, Secretary, PSGiTech, delivered a special address. Dr.Devika, in her talk, compared the human body with that of the universe and visually took the audience through the Milky Way galaxy. She highlighted the methods of exploring the stars along with the elements and their importance. She briefed about the multi-wavelength of the Milky Way. The astronomical telescope and its variants based on the advantages and limitation to study the stars were explained in detail by Dr. Devika Kamat. After the presentation, students interacted with the resource person.

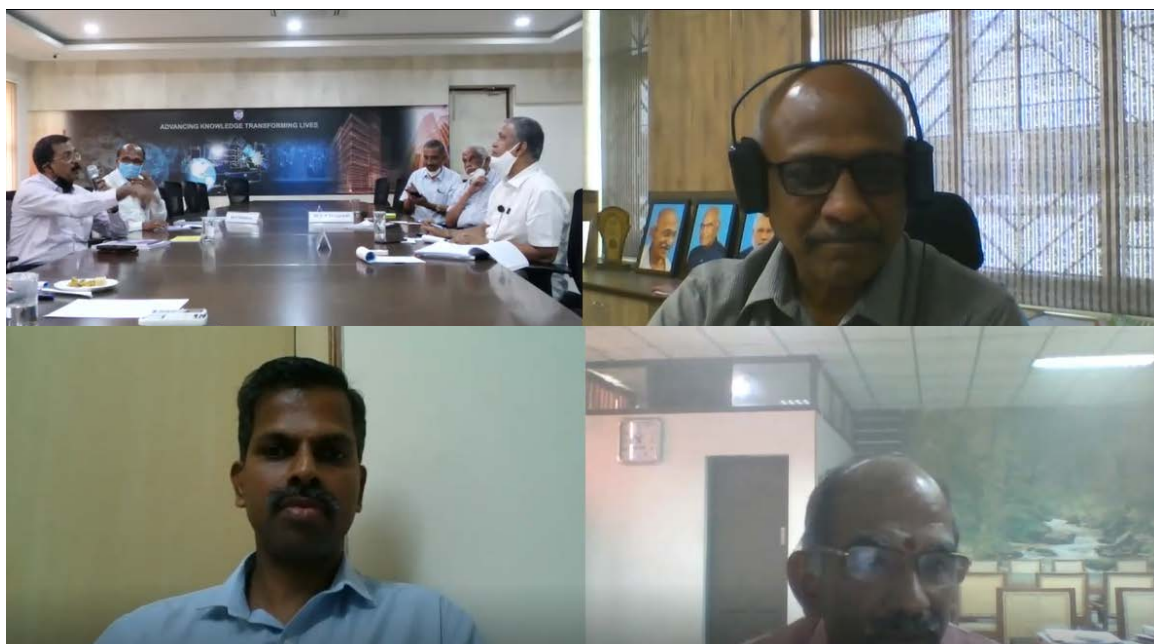


Dr.Devika Kamat, Astrophysicist and Senior Lecturer in Astronomy, Macquarie University, Australia is delivering a special lecture on "Exploring Our Universe" on 24th February 2021.

6th Planning and Monitoring committee meeting, 3rd Management Committee meeting and 7th Governing Council Meeting

The 6th Planning and Monitoring committee meeting was held on 22nd February 2021 (Monday), the 3rd Management Committee meeting was held on 17th February 2021 (Wednesday) and the 7th Governing Council Meeting was held on 23rd February 2021 (Tuesday) at College Board room from 10.00 am to 1.00 pm both in-person as well as online more using zoom platform. The following data pertaining to the academic year 2020-2021 were presented and approval sought beside the appropriate items.

- Action Taken Report on academic and other activities of the 6th GC meeting and 5th P&MB meeting
- Approval of faculty, supporting staff recruitment/ Promotion
- Summary of University Results
- Student and faculty achievements
- Placement Statistics & Training
- Research Outcome & Consultancy seed money
- List of sanctioned funded projects & Patents granted
- Suggestions from Planning and Monitoring Board for implementation
- Annual budget



6th Planning and Monitoring committee meeting was held on 22nd February 2021



3rd Management Committee meeting was held on 17th February 2021



7th Governing Council Meeting was held on 23rd February 2021



7th Governing Council Meeting was held on 23rd February 2021

International Women’s Day Celebrations

PSG Institute of Technology and Applied Research in association with the Women Empowerment Cell (WEC), Drawing and Cooking club, organized a special lecture on the occasion of International Women’s Day on “Leveraging the Existing Support System at Workplace and Home to Achieve our Goals and Ambitions” on 8th March 2021. Dr.R.Manimegalai, Professor and Head, Dept. of CSE and Chairperson of the Women Empowerment Cell, welcomed the gathering.

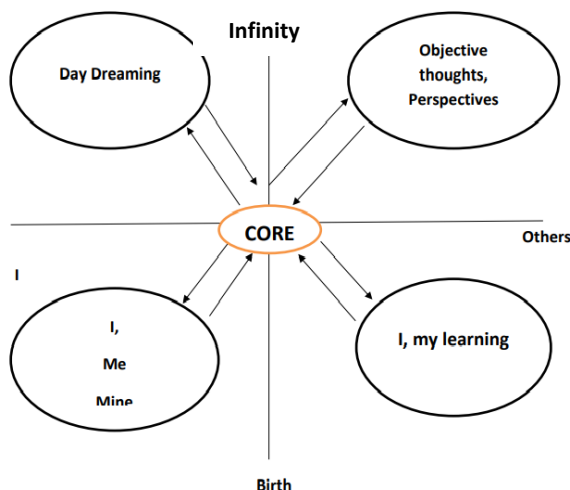
Dr.G.Chandramohan, Principal, delivered the presidential address and stated with pride that a girl has been nominated as the Chairperson of the student union for the first time in PSG iTech. While felicitating the speaker, Dr.G.Chandramohan lauded the intellectual pursuits and yeoman services being rendered by Smt Sashi Chandran through counseling and training sessions in various areas for the different sections of people in the society.

Also, the commendable activities carried out by the women empowerment cell was appreciated and they were encouraged to do more activities in the future. Also, Dr.G.Chandramohan explained about the importance of the lecture titled “Leveraging the Existing Support System at Workplace and Home to achieve our Goals and Ambitions”. He highlighted the crucial role played by women at home and office. Later, Dr.C.V.Pavithra, Member, WEC, introduced the chief guest to the audience.

Smt. Sashi Chandran, in her insightful presentation, expressed her happiness and pride in revisiting the prestigious PSG Institutions and appreciated the aesthetics of the campus. She spoke about the significant challenges faced by women in society through case studies and personal observations.

While offering some constructive solutions to overcome the challenges faced by women, she pointed out how we miss to appreciate ourselves as a constructive resource in a given situation. She motivated the young participants to be joyous in their lives and find meaning in their living.

Smt. Sashi Chandran, Founder and CEO, Nitya Gurukula, Coimbatore addressed the participants on various challenges encountered by women in personal and professional life and discussed some of the effective strategies to handle difficult situations through case studies and personal experiences. Further, she explained the Cartesian coordinate system identified by her spiritual mentor Nataraja Guru, the disciple of Narayana Guru. She succinctly described consciousness using the four quadrants proposed by him: I, Others, Birth, and Infinity coupled with some of the psychological and behavioral attributes required for holistic living.



- Quadrant I – Self-centered Individual Being
- Quadrant II – Learning Individual
- Quadrant III – Adolescent Age
- Quadrant IV – Professional Being

She stated that goal in life is to go to the core of one’s being (center) through awareness and express oneself through all the four quadrants in life and briefed about the components of holistic model of human being:

1. Physical/Biological-body
2. Psychological-emotions
3. Cognitive Beliefs- thoughts, memory, knowledge
4. Behavioral – body language, posture, gesture
5. Social Communication- interactions
6. Spiritual- energy, power

The speaker pointed out the steps to be followed to become an effective person in handling different situations of life.

They are as follows:

- Feel the bodily sensations and emotions
- Understand the process of meaning making in life

- Perceive the expressions of life through behaviors
- Learn to express your thoughts clearly without any hesitation
- Understand the importance of flow in life – pause – moving

Ms.N.Nikketh Nazrin and Ms.Sudha demonstrated three NG Tai Chi exercises for enhancing the mind, body and spirit. Prizes were distributed to the winners of various events like cooking, drawing and painting organized in connection with women’s day celebration and students delivered brilliant speeches, recited poems and soulful songs praising womanhood. Dr.M.Devasena, Associate Professor, Dept. of Civil, and Co-Chairperson of WEC, proposed the vote of thanks.



From the left: Dr.R.Manimegalai, Prof. and Head, Dept. of CSE and Chairperson of Women Empowerment Cell, Dr.G.Chandramohan, Principal, and Chief Guest Smt. Sashi Chandran, Founder and CEO, Nitya Gurukula, Coimbatore are in the photo during the International Women’s Day celebrations held on 8.3.2021

Second Graduation Day Ceremony

PSG Institute of Technology and Applied Research (PSG iTech), Coimbatore celebrated the Second Graduation Day Ceremony on 27th March 2021 (Saturday) in the newly inaugurated PSG Convention Center. Shri.G.R.Karthikeyan, Founder Trustee, PSG & Sons’ Charities, welcomed the gathering and spoke about the inception of PSG iTech and its vision for imparting quality technical education for the meritorious students across the country. He congratulated all the eleven university rank holders from various branches and 319 graduates of 2015-19 batch. Also, he welcomed the National Educational Policy (NEP), introduced by the Govt. of India, and its vision for establishing multi-disciplinary universities across the country for empowering quality higher education.

Prof M.K.Surappa, Vice-Chancellor, Anna University, delivered the commencement address. In his insightful address, he acknowledged the management for establishing the state-of-the-art PSG Convention Center, which will provide a platform for organizing distinguished lecture-series and world-class conferences. He congratulated all the university rank holders and graduates for their hard work and dedication. At the same time, he extended his appreciations to all their parents and members of faculty for their continued support.

Prof M.K. Surappa lauded the visionary management in extending yeoman service for the society by producing quality education for all the members of the society. While he reminisced the visionary statement of Shri P.S.Govindaswamy Naidu, “Let there be Charity, so that others can share my family’s prosperity” hundred years before, he requested the young graduates to consider such noble visionaries as their role models.

Also, he appreciated the efforts taken by the PSG Management in providing job opportunities and skill development programmes for the upliftment of the society. Further, he appealed to the graduates to focus on start-ups, which play an inevitable role in the development of the country. He requested the graduates to utilize all the knowledge and skills gathered over the years for uplifting the people around them. At the same time, he urged the graduates to think about the purpose of their lives, and, envision how they can transform the society in a meaningful way, with the help of latest and cutting-edge technologies. Especially, he prompted the graduates to think about taking the digital technologies to the reach of common man in the society, to simplify the work like applying for Aadhar Card and doing bank transactions; the above, defines real progress and success of the society. At the same, he insisted on data privacy and data security of individuals.

With reference to Covid-19 pandemic, the Vice-Chancellor, encouraged the graduates to exploit the power of big data analytics in handling the pandemic situation by timely collection of exhaustive data at various stages.

While he welcomed all the latest technologies, he mentioned that the challenge lies not in developing new technologies but overcoming the challenges faced by the society like covid-19, by effectively using such technologies. Therefore, he urged all the graduates to embark on the latest technologies in finding solution for the challenges faced by the society. Also, he listed out the breakthrough technologies identified by MIT that can impact the society like: green hydrogen, lithium-metal batteries, digital contract tracing, hyper - accurate positioning, remote everything, multi - skilled AI, TikTok recommendation algorithms, and GPT 3.

In addition, he urged the young graduates to engage themselves in addressing the challenges of lithium-ion batteries for use in electric vehicles i.e. cost, life, quick charging, weight, inflammability during collisions etc. also, alternate solutions need to be developed in these area of research by fresh engineers. Citing the social progress index, he mentioned that it is need of the hour is to build an inclusive society rather than leading a sophisticated and luxurious life. He added that a progressive society has consider the various parameters to increase the social progress index like improved environment quality, access to healthcare and education, reduction in traffic density and crime rate, sanitation, access to drinking water, housing and so on. Small countries like Norway, Denmark, Finland and New Zealand secured places in Tier I, but the so-called developed countries like the U.S and U.K. secured places only in Tier II category.

Also, he appealed to all the graduates to lead an inspiring life, set higher goals in life and achieve them with utmost happiness. Further, he requested all the fresh graduates to adhere to the high moral and ethical values while uplifting the standard of life of an inclusive society. Finally, students were urged to use their knowledge and skills that have acquired during their formative years at PSG iTech in solving the above-mentioned issues of the society.



Prof.M.K.Surappa, Vice-Chancellor, Anna University, giving away the degree certificate to Ms. J.S.Pavithraa, who secured the ninth rank in the University exams. From the Left: Dr.M.I.Abdul Aleem, Professor and Head, Dept. of Civil Engineering, Dr.G.Chandramohan, Principal, Shri.L.Gopalakrishnan, Managing Trustee, Shri.G.R.Karthikeyan, Founder Trustee, and Dr.P.V.Mohanram, Secretary are gracing the occasion during the Second Graduation Day Ceremony



Prof M.K. Surappa, Vice-Chancellor, Anna University, delivering the Commencement Address during the Second Graduation Day held on 27.3.21

Workshop on “e-NBA”

A one-day workshop on e-NBA was conducted by Internal Quality Assurance Cell (IQAC) on 30.03.2021 (Tuesday). Dr S J Thiruvengadam, Dean Academic Process, and Dr S Baskar, Dean Research and Development of TCE, Madurai had explained salient features of each criterion based on SAR in the morning session. In the afternoon session, individual department criteria prepared for the submission of e-NBA were reviewed by them, and suitable inputs were given to the individual criterion coordinators.



Dr S J Thiruvengadam, Dean Academic Process, TCE Madurai interacting with PSGiTech NBA Coordinators on 30.03.2021

Advaya - 2021

In the initial stages of lockdown, the students were keen on attending online competitions which kindled their competitive spirit. The Pongal holidays gave much time and helped in organizing creative events with the festival theme. The co-ordinators took it as a challenging task and beautifully blended the cultural events with Pongal festival. For instance, the Drawing and Painting Club conducted a Rangoli event, which well coincided with the festival. Similarly, Aindhinai Tamil Mandram conducted a Pattimandram where our students voiced out interesting opinions on Holidays during festival season.

Dr.Aramuthakannan played a role of the judge between the two teams and made the second day of Advaya more interesting. Various events were organized by 13 clubs, virtually. Each event had an active participation of 15 to 20 participants from all 4 years. The events conducted include Pattimandram and Tamizhlodu vilayadu by Aindhinai Tamil Mandram, Mr. and Ms. Advaya by Tarangini club, Eco Feista by Eco club, Alankaar by Hindi Gyan Shethr, Vitamashot by NSS club, Cosmic colours and Virtual Reality show by Astro club, Foodiligent by Pushti club, Scavenger hunt by Harmony club, Street Photography by Photography club, Rang Rachnatmak by Drawing and Painting club, Karoke kings by YRC Club, Kaanum Pongal event by iTech Radio Society and Cultural quiz by Quiz club respectively.

Similarly using the online platform and conducting events which are equally engaging was another challenge. Google meet, Google forms, Zoom Meeting were the different tools used for hosting the events online. The coordinators of every event were fully focused on the authenticity of the event. They found new ways of utilizing these well established online platforms, for the successful conduct of every event.



During the active discussion by Madhushri, who spoke on the merits of festivals

National Level Technical Symposium Yukta: 2021

PSG Institute of Technology and Applied Research (PSG iTech), in association with Students' Union, and various clubs Conducted the first ever virtual YUKTA: 2021. The National Level Technical Symposium for 3 days on April 9th, 10th & 11th 2021. The technical symposium hosted by PSG Institute of Technology and Applied Research, is an environment to think, compete and grow. Ranging from paper presentations and coding contests to treasure hunts and Pictionary - it's bound to give the students a great number of opportunities to participate in various events.

Yuktaha is the perfect blend of academics and creativity. Swarming with students from different colleges and institutions, Yuktaha gives them all a platform to test out their wits and abilities. This is where budding innovative engineers from different backgrounds compete against the best minds present across various parts of our state. This year, Yuktaha is prepared to come back with more creativity and competition. An opportunity for us all to learn and to test ourselves. Keeping pace with trends in science and technology, we created an engaging agenda of events this year. In this unprecedented covid times, around 500 students from various colleges across the country actively participated in a wide range of academic events like workshops, paper presentations, technical and non-technical events organized by various departments.

Yutka: 2021 Registration Details:

Total number of registrations (paid + unpaid) = 1528; Total number of paid registrations = 525; Total number of unpaid registrations = 1003; Total number of external registrations = 439; Total number of internal registrations = 86.

Dr K B R Varma, Director, Research PSG Institutions released the Yukta: 2021 souvenir and Dr B Ramamoorthi Advisor (Academic) received the first copy and cherished the function. Dr. Ramamoorthi expressed his happiness and congratulated the student's union members. Chairman of PSG iTech, Student's Union Ms Sangavi sri proposed the vote of thanks.



National Level Technical Symposium – Yukta : 2021 held during 09-11th March 2021



Dr G Chandramohan, Principal interacting with coordinators of QGIS workshop as a part of Yukta: 2021 event

4.Inaugural Programs:

Inauguration of Civil Engineering Association 2020 - 2021

The Inaugural Ceremony of Civil Engineering Association was organized by the Dept. of Civil Engineering through online on 24th Dec 2020. Dr.M.I.Abdul Aleem, Professor and Head, Dept. of Civil Engineering, welcomed the gathering. Er.P.N.Ramesh Baabhu, TLR Associates, Dharmapuri served as the resource person and inaugurated the Civil Engineering Association. Mr.P.Balakumar, Asst. Professor (Sr.Gr), Dept. of Civil Engineering, introduced the new office bearers of Civil Engineering Association to the gathering. The list of planned activities for the current academic year were explained in detail by Mr.G.Venkatesh, Student of Final Year B.E. Civil, which includes: Student Pedagogical Programs, Software Training, Guest Lectures, Project Expo, Group Discussions, Alumni Talks. The events are planned meticulously with a vision to develop their technical and interpersonal skills. Then, Ms. R.Suchitra, Student of Third Year B.E. Civil Engineering, introduced the Chief Guest to the gathering and detailed about his achievements in the field of engineering.



Er.P.N.Ramesh Baabhu, TLR Associates, Dharmapuri inaugurating the Civil Engineering Association through online mode on 24th Dec 2020

Later, the resource person addressed the gathering about his views on the importance of attitude, values and conduct in professional context. He quoted that “Attitude decides the Altitude”. He discussed various opportunities in the field of civil engineering like registered engineer, panel engineer, and chartered engineer etc. He enlightened the students with his rich professional skills and knowledge, which helped the students in an extraordinary manner. His optimistic and bright outlook over the field gave confidence and enthusiasm for the students. Then, the meeting was opened for discussion for addressing the student’s doubts. Finally, Mr.S.Pandiraj, Student of Second Year B.E. Civil, proposed the vote of thanks. Around ninety participants attended the meeting.



Dr MI Abdul Aleem, HoD, Civil along with the faculty members attending the Inaugural Ceremony of Civil Engineering Association on 24th Dec 2020

Students’ Union Inauguration

PSG Institute of Technology and Applied Research (PSG iTech) inaugurated the Students’ Union and introduced the office bearers for the academic year 2020-2021 on 23rd January 2021 (Saturday). Mr.S.Saravana Prabhu, SQC Specialist, KLA-Tencor Software India Pvt. Ltd., Chennai inaugurated the Students’ Union and addressed the students and members of faculty on “Discover The New “You”. Dr.P.Vetrivelan, Associate Professor and Head, Dept. of ECE, delivered the welcome address.

Dr.P.V.Mohanram, Principal, delivered the presidential address. During the address, all the newly selected members of students’ union were congratulated and they were requested to organize skill- and knowledge-oriented activities for the larger benefit of the student community in the upcoming days.

In addition, students were appealed to understand and appreciate the rich cultural lineages of India and ancient knowledge systems of the country, which served as the backbone and even challenged the colonial masters like Thomas Babington Macaulay in dismantling the country. Also, the talk highlighted how spiritual and cultural heritage of the ancestral past made the country not only proud but withstand all the cultural degradations set by the external forces.

Further, he requested the resource person to organize exclusive sessions on the subtle aspects of Art of Living in the future, to channel the young students' and their energy in the right direction. Later, Ms.R.Suchithra, Secretary of Students' Union (III B.E. Civil), introduced the chief guest to the audience. Mr.S.Saravana Prabhu, the resource person, spoke about the importance of conditioning the interior self of an individual like mind, soul and body (material), and discussed some of the effective strategies to unify the internal faculties for a holistic living. Students were delineated about the seven levels of existence viz:

- Self
- Ego
- Memory
- Intellect
- Mind
- Breath
- Physical body

They were requested to keep all the listed above, in the best condition to excel in their personal, professional and social spheres of life. It was stated that life is not a smooth road as it is filled with ups and downs. Therefore, learners were requested to stay optimistic and approach life with confidence and hope. Further, they were demonstrated about the change of breath patterns in different states of mind like happiness, sadness, anger etc. and they were strongly advised to remain happy irrespective of situation. Also, they were told not to look for reasons for being happy. Finally, Dr.G.Chandramohan, Vice-Principal, succinctly recapitulated the significant points shared by the resource person and introduced the newly selected office bearers to the spectators. Ms.R.Suchithra, Secretary, Students Union proposed the vote of thanks.



Dr.P.V.Mohanram, Principal, Dr.G.Chandramohan, Vice-Principal, Senior Faculty Members, Members of Students' Union Advisory Committee, and newly selected office bearers for the academic year 2020-2021 are seen in the photo during the event organized on 23rdJanuary 2021

Association Inauguration and release of Department Magazine

The Dept. of CSE inaugurated the Computer Science Engineering (CSE) Association for the academic year 2020-2021 on 27th Feb 2021 at PSG iTech. Dr G Chandramohan, Principal, welcomed the gathering. Dr P V Mohanram, Secretary, presided over the function and offered some useful tips to improve the course delivery. Prof C Pandu Rangan, Professor, IIT Madras was the Chief Guest. Dr R Manimegalai, Professor and Head, Department of CSE, introduced the chief guest to the audience. Prof C Pandu Rangan inaugurated the association and released the department magazine, “BITS & BYTES”. Dr.A.C.Sumathi, Faculty in-charge of CSE Association introduced the office bearers of the association. Dr B Ramamoorthy, Advisor (Academic), PSG Institutions, felicitated the chief guest by recalling their associations at IIT Madras and stressed that both faculty members and students need to make sure that classes are interactive.



CSE Association Office Bearers at the Inaugural Function on 27th Feb 2021

CSE Association Office Bearers:	
President	P.E Aravindhan – IV BE CSE
Secretary	Sreenithi N- III BE CSE
Joint secretary	Anjhanaa A K – III BE CSE
Treasurer	Harikrishna M – III BE CSE
Public Relation Officer	Ashwin Balaji S – III BE CSE
Executive Members	1. Tharun S -II BE CSE 2. Rawat Batul -II BE CSE 3. Susmeta - II BE CSE 4. Premkumar I M- II BE CSE

Prof C Pandu Rangan, delivered the inaugural address on “Joy of Algorithms: MORE for LESS”. He started with Divide and Conquer approach and explained how to tweak and refine the divide using conquer approach by calculating additional information.

He also illustrated solving the subarray-sum-problem using the enhanced divide and conquer approach to reduce the time complexity from $O(n^2)$ to $O(n)$. Prof Pandu Rangan urged the students to think and look for possible alternative solutions. The session was very interactive and informative.

Installation of Rotaract Club

PSG Institute of Technology and Applied Research (PSG iTech), in association with Rotaract Club of Coimbatore Saicity, installed the Rotaract Club on 30th March 2021 (Tuesday) in the presence of Secretary Dr P.V. Mohanram, Principal Dr G. Chandramohan, President of Rotary Club of Coimbatore Saicity Rtn. Shanmugam S. P and various other members of Rotary and Rotaract club across the Coimbatore district. The idea behind the inception of Rotaract Club at PSG iTech is to hone the soft skills and managerial skills of the students beyond academics and help them become socially responsible citizens. After the function, members of the club along with the dignitaries planted saplings as a mark of inception.

Rtn. Shanmugam S. P., President, Rotary Club of Coimbatore Saicity, welcomed the gathering and thanked the management for installing Rotaract Club at PSG iTech. Also, students were told how to help the socio-economic conditions of the people around everyone by organizing events and extending all possible help for the needy people. Rtr. Janani Mani, District Rotaract Representative, Rotary International District 3201 (Special Invitee), administered the Rotaract Pledge for the newly inducted members of the club and listed various benefits of joining the Rotaract like building friendship and developing social network. Further, she stated about the transformative capacity of the club and appealed the members to contribute holistically. Rtn. Gopinath A, Joint Secretary, Rotary Club of Coimbatore Saicity, extended his wishes and listed various projects undertaken like Gift of Life, Sastra, Tree Plantation, Sai Care for cancer patients, and Blood Donation.

Dr P.V. Mohanram, Secretary, in his address, appealed the members to organize productive events for the larger benefit of the student community and explained the significance of the name *Adya*, which means the great beginning. Also, he emphasized on the need for organizing programs like national integration, cultural values, and personal finance for developing responsible and selfless citizens of the country.

Speaking on the occasion, Rtn. Myilsamy R., Club advisor, Rotaract club of PSGiTech (Guest of Honor) stressed on the importance of managing time with examples and introduced various Rotaract Club members in the city to help students familiarize and partner with other clubs for organizing fruitful events. Further, he briefly spoke about the mission and vision of the Rotaract club in addressing the social challenges.

Dr G Chandramohan, Principal, in his address, reinstated the vision of PSG “Let there be charity so that others can share my family’s prosperity” and urged the young students to extend their selfless service to the society. Also, he shared the achievements made by PSG iTech students in co-curricular and extra-curricular activities. Particularly, he appreciated the design of the agenda, which exemplifies the time management skills of the club. In addition, he requested the students to be active in the club to help themselves for grabbing opportunities like placement, internship, and projects. While talking about the greatness of the club, he stated that happiness comes not by getting but by giving. Finally, Mr.C.P.Shabariram, Assistant Professor, Dept. of CSE, and Faculty coordinator of the club, proposed the vote of thanks.

Student Representatives of the Rotaract Club of PSG iTech:

- Rtr. Rashmika T - III Year CSE, President
- Rtr. Boopathi Raja S - II Year Mech, Vice President
- Rtr. Karthic Raja V S - II Year Civil, Secretary
- Rtr. Sugassini M - II Year EEE, Joint Secretary
- Rtr. Poornakala G - II Year ECE, Treasurer



Dr. P.V. Mohanram, Secretary, Dr. G. Chandramohan, Principal, along with other dignitaries and members of Rotary and Rotaract Club of Coimbatore during the Installation Ceremony of Rotaract Club at PSG iTech on 30.3.2021

5. NSS / NCC events

NSS Day

PSG Institute of Technology and Applied Research in association with National Service Scheme (NSS) Unit observed 52nd NSS Day on 24th September 2020. Ms. T.Akshara, B.E. ECE (Second Year) and NSS Volunteer, kick started the event with a prayer song. Dr.G.Chandramohan, Vice-Principal, PSG iTech, delivered the welcome address. During his address, he recounted the historical significance of NSS Day and advised the young students to offer selfless service for the society. In addition, students were asked to equip their technical and soft skills through various online learning platforms like Coursera. Dr. M. Yuvaraju, Regional Programme Co-ordinator for NSS, YRC and RRC, Anna University Regional Campus, Coimbatore served as the Chief Guest and addressed the Student Volunteers. While addressing the student volunteers, he thanked the Principal and Vice-Principal for their instrumental role in supporting each and every endeavour organized by the regional chapter. Also, he emphasized the transformative power of NSS in shaping the personality of future citizens and lauded the service offered by the NSS Unit of Anna University, which consists of 44,500 volunteers. Also, students were advised to respect and learn from their teachers.

In addition, Dr M Yuvaraj shared his experience of meeting real-life heroes Marry Kom and Arunima Sinha, and stressed the importance of self-motivation and self-confidence. Besides, he spoke the struggles faced by great personalities like the football player Ronaldo, business tycoon Jack Ma, and co-founder of WhatsApp Jan Koum in their early life. Students were insisted to inculcate good thought and set right attitude to succeed in their personal and professional life. Later, Mr.B.Akash, student of Third Year B.E. ECE, introduced the office-bearers for the year 2020-2021. Dr.R.Ravikumar, NSS Officer and Asst. Professor, Dept. of Humanities, proposed the vote of thanks. Dr.P.Chinnaraj, Asst. Professor (Sr.G) and NSS Programme Officer co-ordinated the session.



Coordinators of the event along with Dr.G.Chandramohan, Vice-Principal, PSG iTech during NSS Day celebration held on 24th September 2020

Fit India Movement Cyclothon – 2020

The Department of Physical Education of PSG iTech organized Fit India Movement Cyclothon at Sports complex on 22nd December 2020 at 5.30 pm. Mr. A. Robinson, Director of Physical Education, PSG iTech, delivered the welcome address and Guest of honor Dr. S. Aramuthakannan, Associate Professor, Department of Mathematics, inaugurated the Fit India Movement Cyclothon. Around 20 members participated in this event. Around 10 children residing in the staff quarters participated enthusiastically in the Fit India Movement Cyclothon.



Dr. S. Aramuthakannan, Associate Professor, Dept. of Mathematics, and Guest of Honour inaugurated the Fit India Movement Cyclothon on 22nd December 2020.



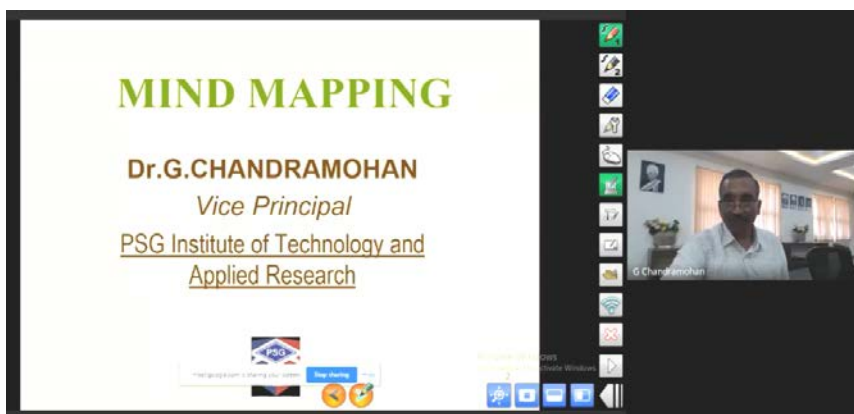
PSG iTech Staff, Faculty members and Staff children have participated in the Fit India Movement Cyclothon on 22nd December 2020

6. Conferences / workshops / seminars/webinars conducted

Online Webinar on “Mind Mapping”

An online webinar on “Mind Mapping” was conducted by Dr.G.Chandramohan, Vice-Principal, PSG iTech on 23.05.2020. About 140 staff members of various PSG Institutions attended the session through the online platform Google Meet. The programme was inaugurated by Dr.R.Rudramoorthy, Director, PSG CARE.

The participants were briefed on the technique of creating mind map for academic purpose with real life examples. The webinar was organized by PSG CARE.



Online Webinar on “Mind Mapping” conducted by Dr.G.Chandramohan, Vice-Principal, PSG iTech on 23.05.2020

Guest Lecture for School Teachers on “Conducting Online Classes”

A Guest Lecture for school teachers on “Conducting Online Classes” was delivered by Dr.G.Chandramohan, Vice-Principal, on 22.06.2020 at PSG iTech. 30 school teachers from PSG School, Vedapatti, PSG Primary School, Peelamedu and GRD CPF School attended the training programme. The programme was presided by Dr.B.Ramamoorthy, Advisor (Academic), PSG Institutions. Dr.P.V.Mohanram, Principal, PSG iTech proposed the vote of thanks. The participants were trained in conducting online classes using Google Meet, Google Form, Google Calendar and Google Classroom. The participants were also exposed to the use of ELMO projector for taking online classes.



Participants of the programme during the Guest Lecture for school teachers held on 22.06.2020

First National Conference on “Communication System & Design 2020 (NC²SD 2020)”

The Department of Electronics and Communication Engineering organized a one day First National Conference on “Communication System & Design 2020 (NC²SD 2020)” on 29th June 2020. This conference provided a common forum for budding electronics and communication engineers to meet and exchange knowledge and experiences. Thereby, finding innovative approaches and feasible solutions to build the nation with the latest technologies. Dr. P. Subbaraj, Dean (Research) inaugurated the conference and welcomed the gathering. Dr.E.Malar, Professor, EEE department, Dr.P.Vetrivelan, Associate Professor & HoD(i/c), ECE department along with organizing secretaries and faculty colleagues from the department released the proceedings of the conference.

Release of conference proceedings by Dr.E.Malar, Professor, EEE department -NC²SD2020 held on 29th June 2020

Mr.Jeyasingh Pathrose, Chief Technology Officer, Jasmin Infotech, Chennai, delivered the keynote address on Technological Advancement and its Applications. The key points discussed by the speaker were:

1. Future Direction of the Enterprise –The Digital Era is transforming into the Information Era
2. Current technologies that characterize knowledge
3. IoT provides several vertical opportunities
4. Top 10 AI healthcare applications
5. Future of Manufacturing Industry, Smart Transportation
6. Smart Educational services, Smart farming etc.

The keynote address was followed by presentation of papers based on research through Google Meet platform. There were 3 parallel sessions and 26 research papers were presented by authors from various institutions. The proceedings and e- certificates were issued to all authors of the registered research papers. Dr.P.Vetrivelan, Associate Professor, HoD (i/c) - ECE delivered the vote of thanks and motivated the students and faculty to conduct many such conferences. Dr.S.Vanitha, Associate Professor, Mr.M.Jothibas, Assistant Professor (Senior Grade) and Ms.M.Sowmiya, Assistant Professor were the organizing secretaries for the conference.

National Conference on Emerging Technologies for Electric Vehicles and Smart Grid Integration

The National Online Conference on “Emerging Technologies for Electric Vehicles and Smart Grid Integration” was conducted by the Department of EEE, PSG Institute of Technology and Applied Research, Coimbatore on July 1 & 2, 2020. It provided a common platform for faculty members, researchers, industry experts and students to discuss the advances and recent trends in this area. Dr.Subbaraj P Dean (Research) inaugurated the conference and the conference was presided by Dr. Vasu C.L., Professor & Head / EEE. On July 1st, twelve research papers were presented through Google Meet platform on IoT and Automation Systems Track and Dr.E.Malar Professor/EEE was chairperson for this session. Dr. Geetha Mani, Associate Professor, VIT, Vellore was the expert speaker. She shared her findings on research work on Fuel Cell Modelling and Control.

She shared her findings on research work on Fuel Cell Modelling and Control.

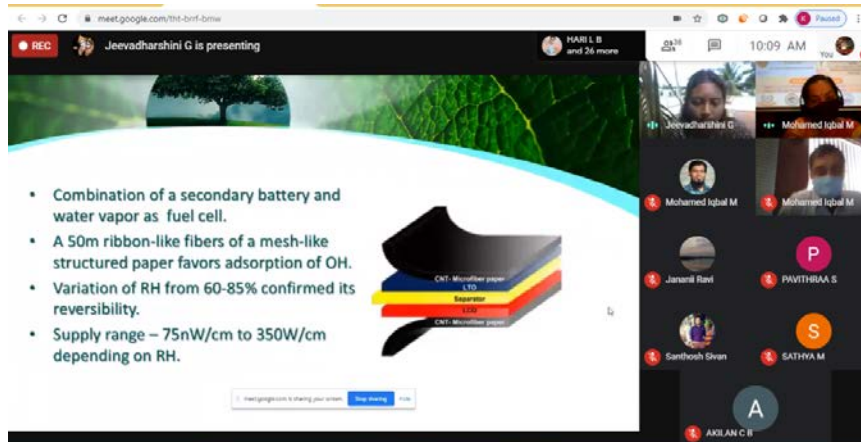


Conference Team Members of the National Online Conference on “Emerging Technologies for Electric Vehicles and Smart Grid Integration” held on 1st July 2020

On 2nd July, Dr. Enamul Haque, Senior Lecture, Deakin University, Australia was the expert speaker; He shared his views on Grid Integration of Renewable Energy System: Control Strategies, Impacts and Challenges. The key points delivered to the audience by the speakers were:

1. Ongoing research activities in the field of fuel cells
2. Necessity of providing simple solutions to the engineering problems especially in wind energy systems
3. Hybrid electric vehicle charging

Fourteen research papers were presented through Google Meet platform on 2nd July, 2020. Dr. Subash Kumar C. S. Associate Professor/ EEE was chairperson for this session. As a whole, 26 research papers were presented by authors from various institutions. Two best papers from each track were identified for awards. All authors of who presented their work were issued E-Certificate. The conference ended with a positive note from participants to conduct many such conferences in the years to come.



Participant Ms. Jeevadarshini presenting her findings

Webinar on “The Concept of Time”

A webinar on “The Concept of Time” was organized by the Dept. of ECE on 3rd July 2020. Mr. Bhagath Singh Karunakaran, CEO, Kalcycito Infotech Pvt. Ltd., Coimbatore addressed the participants on “A Journey to Track Time”. He highlighted some of the interesting and unknown engineering concepts behind some commonly known facts. He explained the terms like jitter, latency and skews; and discussed the 4th industrial revolution and time sensitive networks. About 90 participants, comprising the members of faculty and students from different disciplines in PSG iTech, attended the webinar. The session was interactive and appreciative. Dr. P. Reba, Associate Professor, and Ms. N. Susithra, Asst Professor, Dept. of ECE, PSG iTech coordinated the session.



Event Brochure – A webinar on “The Concept of Time” held on 3rd July 2020

Webinar on “VLSI SoC Design using Open source EDA tools”

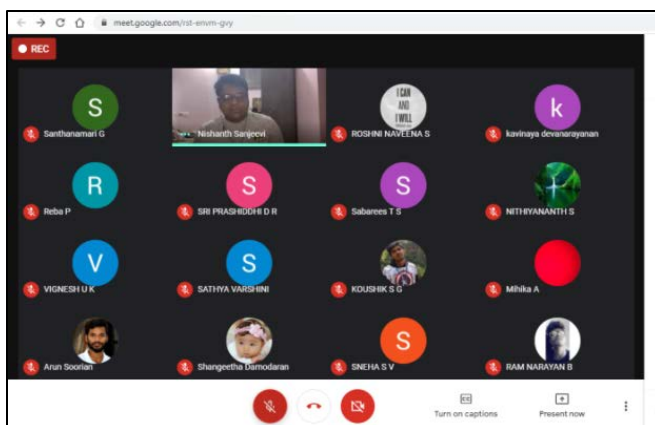
The Dept. of ECE organized a webinar on “VLSI SoC Design using Open Source EDA tools” on 4th July 2020. Mr.M.Kunal Ghosh, Director and Co-founder of VSD Corporation Pvt. Ltd, Bangalore served as the resource person. Package view of chips, how a chip is interconnected with the package, hardware IPs were illustrated during the webinar. A demo on open source tools like Yosys, GrayWolf, Repalce, and TrironCTS were carried out for the design and implementation of serial peripheral interface integrated circuits. The design parameters like area, power and timing had been simulated and a layout was created during the session. About 73 participants attended the event and got benefitted. Dr.M.Jayasanthi, Associate Professor and Mr.K.Paldurai, Asst. Prof (Sr.Gr.), Dept. of ECE were the co-ordinators of this programme.



Webinar on “VLSI SoC Design using Open source EDA tools” held on 4th July 2020

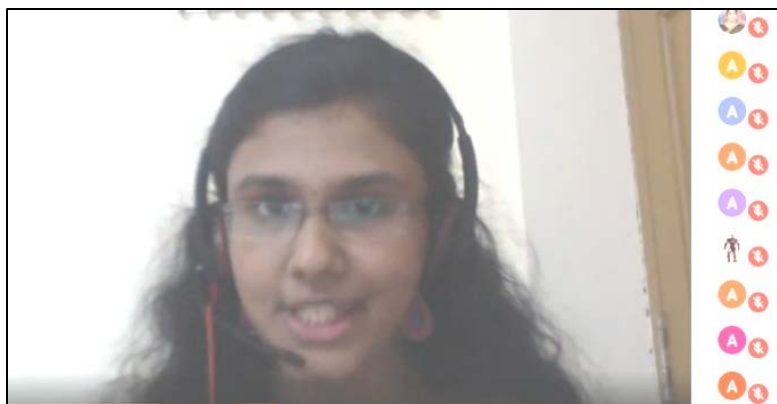
Alumni Webinar Series

The Dept. of ECE organized a series of webinars facilitated by the distinguished alumni of PSG iTech during 6th-7th July 2020. Mr Nishanth Sanjeevi, an alumnus of B.E. ECE (2015 – 2019) facilitated the first session on 6th July 2020. About 100 participants from various branches of the PSG iTech B.E. ECE, B.E. CSE, B.E. EEE attended the session. The topic was entitled as "The Transformation from Student to a Professional". Some of the vital points discussed were: usage of emails for professional communication, importance of teamwork, interpersonal skills, and punctuality. Students were advised to follow the professional qualities, practise experimentations and explore novel ideas through their projects. The mantra for success, according to the speaker, is: "If something needs to be done, it has to be done". He also shared about his rich work experience at Microsoft and his significant contributions to Surface Pro.



Participants are attending the Webinar by Mr S Nishanth held on 6th July 2020

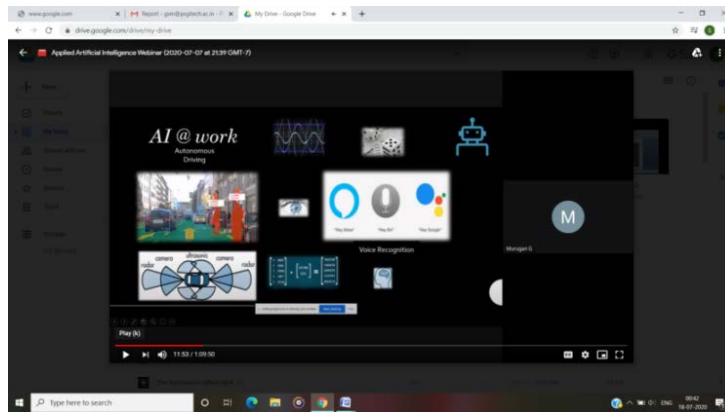
Ms.Srreenandhini, Qualcomm, an alumna of B.E. ECE (2014-18 Batch) facilitated the second day session on 7th July 2020. She is well-known for her excellent communication and managerial skills during his collegiate days. She has been serving in Qualcomm for about two years and her focus is Silicon Validation. She delivered a motivational talk on “Elixir of Victory”. About 90 participants from various disciplines at PSG iTech attended the event. She discussed several pivotal qualities required to emerge as a successful person like leadership, self-respect, hard work and team coordination. She also highlighted some inspiring personalities, whom she admired in her life such as the 2014 Noble Prize winner for peace Ms. Malala Yousafzai. Her session was energetic and filled with thought-provoking questions, and vibrant discussions.



Ms.Srreenandhini, delivering the webinar on the title “Elixir of Victory” held on 7th July 2020

National Webinar on “Applied Artificial Intelligence”

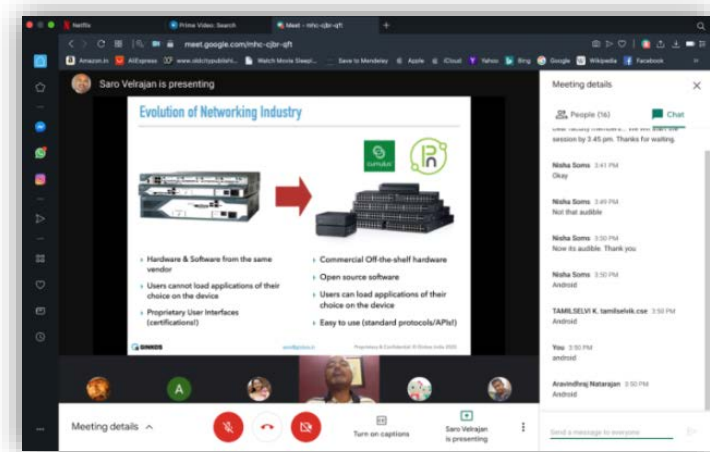
A webinar on “Applied Artificial Intelligence” was organized by the Dept. of Electronics and Communication Engineering on 8th July 2020. Members of faculty and students from PSG iTech and various other institutions in Coimbatore region also joined via Google Meet. About 140 participants attended the webinar. Dr P. Vetrivelan, Associate Professor and Head (in-charge), Dept. of ECE, welcomed the gathering. Dr G Santhanamari, Associate Professor, Dept. of ECE, introduced the resource person Mr Murugan, Chief Technology officer, NI Drive, Tokyo. The session commenced with an introduction to artificial intelligence (AI) and concepts in machine learning (ML) and deep learning (DL). He demonstrated the development of regression model from Celsius to Fahrenheit temperature conversion in addition to AI ecosystem and shared the tools and libraries employed.



A glimpse of webinar on “Applied Artificial Intelligence” held on 8th July 2020

Webinar on “Overview of Software Defined Networks”

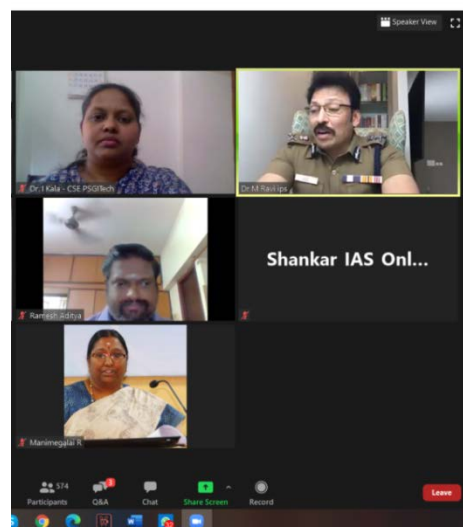
A webinar on “Overview of Software Defined Networks” was organized by the Dept. of CSE on 10th July 2020 through the online platform, Google Meet. About 20 participants from various technical institutes across Tamilnadu attended the session. Dr A C Sumathi, Asst. Professor (Sl. Gr.), Dept. of CSE, PSG iTech welcomed the gathering and introduced the resource person Mr. Saro Velrajan, Chief Strategy Officer, Ginkos India, Chennai. During his address, the resource person spoke about some latest ideas about software-defined networking (SDN) requirements and offered some insights on control plane and data plane in Network function virtualization (NFV). The session was vibrant and interactive with mind-blowing questions.



Mr Saro Velrajan explaining about networking switches in the webinar and the responses of the participants during the webinar on “Overview of Software Defined Networks” held on 10th July 2020

Talk on “Effective Preparation for Civil Service (IAS/IPS/IFS/IRS) Exams”

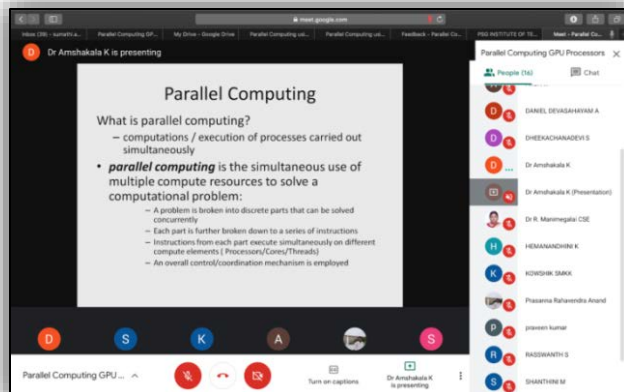
A special lecture on “Effective Preparation for Civil Service (IAS/IPS/IFS/IRS) Exams” was organized by the Dept. of Computer Science and Engineering on 11th July 2020 in association with Shankar IAS Academy & the Institution of Engineers (India) PSGI Students’ Chapter. Dr M Ravi, IPS, Additional DGP, Special Task Force, Erode, Tamilnadu addressed the IPS aspirants on effective preparation method for Civil Service exams and shared some fruitful tips to emerge as an IPS officer. About 600 participants, consisting of students from various colleges and members of faculty, participated in the event. Several doubts were addressed during the interaction and the event was well-received by the participants. The event was organized through Zoom, an online platform. An e-certificate was sent to all the participants, who remained active throughout the session.



Dr M Ravi IPS-Additional DGP, Special Task Force, Erode and the organizers during the session on “Effective Preparation for Civil Service Exam” held on 11th July 2020

Webinar on Parallel Computing using GPU Processors

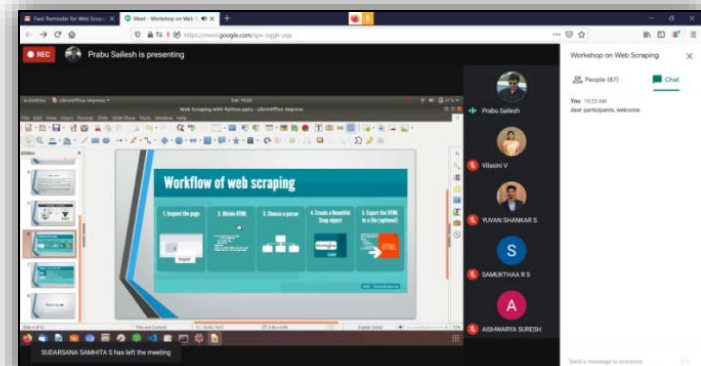
A Webinar on “Parallel Computing using GPU Processors” was organized by the Dept. of CSE on 11th July 2020 through the online platform, Google Meet. About 20 students from the Second and Third year B.E. CSE attended the session. Dr A C Sumathi, Asst. Professor (Sl. Gr.), Dept. of CSE, PSG iTech, welcomed the gathering. Dr K Amshakala, Associate Professor, CIT, Coimbatore graced the occasion and served as a resource person. In her address, the participants were explained about the parallel processing concepts using exciting real-time examples. Her speech contained fascinating insights on architecture and Graphical Processing Unit (GPU) and briefed about the working principles of the NVIDIA processor. Also, she highlighted the distinction between GPU and Central Processing (CPU) units.



Dr Amshakala, Associate Professor, CIT explaining parallel computing during the webinar held on 11th July 2020

Online Workshop on “Web Scraping using Python”

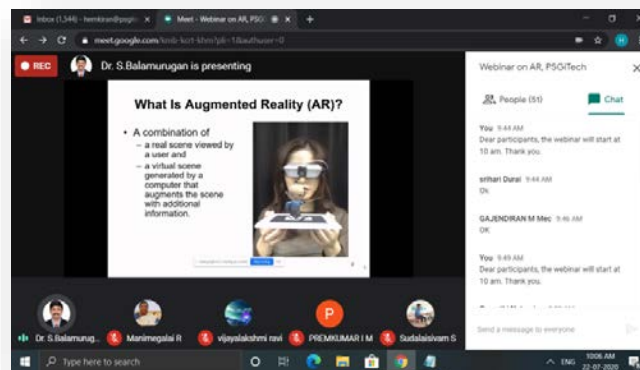
The Dept. of Computer Science and Engineering, PSG iTech in association with Indian Society for Technical Education (ISTE) Students’ Chapter (TN 366) organized a one-day online workshop on “Web Scraping using Python” on 18th July 2020. Mr Sailesh Chandrasekaran, Software Developer, Tata Consultancy Services, Chennai facilitated the session. About 90 students from various institutions across Tamilnadu attended the session through the online platform, Google Meet. Dr. R. Manimegalai, Professor and Head, Dept. of CSE, PSG iTech inaugurated the workshop. At the end of the workshop, a self-assessment was conducted through Google Forms.



Hands on Workshop on “Web Scraping using Python” was facilitated by Mr Sailesh Chandrasekaran, Software Developer, Tata Consultancy Services, Chennai on 18th July 2020

Webinar on “Augmented Reality and its Industrial Applications”

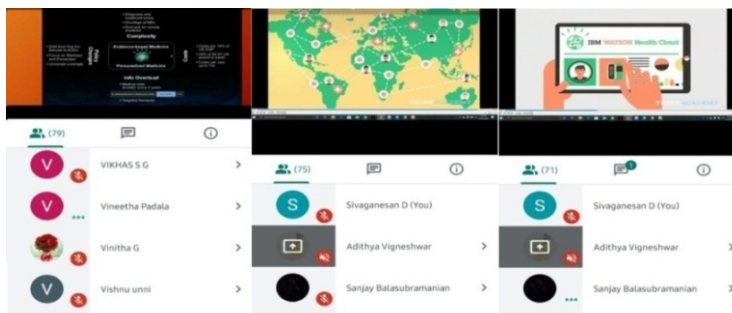
A webinar on “Augmented Reality and its Industrial Applications” was conducted on 22nd July 2020 by the Dept. of Computer Science and Engineering, PSG iTech through the online platform, Google Meet. Dr.S.Balamurugan, Director (R&D), Intelligent Research Consultancy Services (iRCS), Coimbatore was the resource person for the webinar. The resource person briefed about AR along with several other real-time applications. He explained the variations between AR and virtual reality (VR). The session concluded with a Q&A session. This webinar was coordinated by Ms.S.Hemkiran, Asst. Professor (Sr.Gr.), Dept. of CSE, PSG iTech.



Webinar on “Augmented Reality and its Industrial Applications” held on 22nd July 2020

Webinar on “Data Science in Industrial Applications”

The Dept. of CSE conducted a webinar on “Data Science in Industrial Applications” for the students and members of faculty on 25th July 2020. Dr. R. Manimegalai, Professor and Head, Dept. of CSE, delivered the welcome address. Mr. Adhitya Vigneshwar Padmanabhan, Project Coordinator, IBM India Ltd, Bengaluru deliberated on “Usage of IBM Tools” and Mr. Sanjay Balasubramaniam, L&T Thales services Ltd, Chennai made a presentation on “Data Extraction APIs in Data Science Applications”. About 220 participants across India participated in the event. Mr. S. Thivaharan, Asst. Prof (Sl. Gr) and Dr. D. Sivaganasan, Professor, Dept. of CSE, PSG iTech coordinated the event.



Participant’s interaction during the session on “Data Science in Industrial Application” held on 25th July 2020

FDP on “IoT”

The Dept. of CSE conducted a three-day online Faculty Development Program (FDP) in association with Computer Society of India (CSI) from 10th to 12th July 2020. About 352 participants across the world participated in the virtual FDP. The first session was facilitated by Mr. Venkat Subramanian, who is working as a Mozilla Rep, Singapore. During the session, he addressed on web of things (WoT), Web Socket and other recent trends in internet of things (IoT) with a demo on the steps to control and monitor devices over web using WoT. The second session was facilitated by Mr. M. Surya Prakash, Senior Robotics Engineer, Goldbell Group, Singapore. During the session, he deliberated on unmanned aerial vehicle (UAV) and flying mechanics, salient features of robot operating system (ROS) with a demo on application of robotics in agricultural fields and tunnels. The third session was facilitated by Mr Venkatesh Angalakurichi Ramaraj, Data Engineer, Woodbine Entertainment, Canada.



Mr. M. Surya Prakash, Senior Robotics Engineer, Goldbell Group, Singapore explained the UAV during the webinar held on 10th July 2020

Online Webinar on “Enhancing Teaching-Learning Skills in Online Mode”

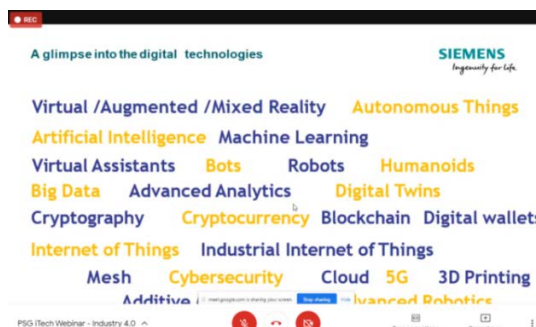
The Centre for Teaching-Learning Practices in association with Indian Society for Technical Education (ISTE) organized a Webinar on “Enhancing Teaching-Learning Skills in Online Mode” on 14th July 2020 to PSG iTech faculty members. In the first session, online demonstration of conducting laboratory classes was collaboratively explained by Dr R Ramesh, Professor / Mechanical and Mr P Balakumar, Assistant Professor (Sr.Gr) / Civil. In the second session, 6 faculty members shared their learnings about teaching-learning practices in Coursera with other participants through online mode Faculty members felt that the webinar was very much useful to build their teaching career. Totally, 84 faculty members participated in the online webinar.



Organizing team of an Online Webinar on the topic “Enhancing Teaching-Learning Skills” held on 14th July 2020

Journey towards Industry 4.0

A webinar on “Journey towards Industry 4.0” was organised jointly by the Dept. of ECE and the Indian Society for Technical Education (ISTE) Students Chapter on 15th July 2020 through the online platform, Google Meet. About 115 participants from various institutions attended this event benefitted. Mr.A.Sreeram, Head – Automation & Drives, Siemens Limited, Coimbatore, delivered the keynote address. Some of the significant points discussed include: industrial revolution from 1.0 to 4.0, digital transformation ideas, challenges in industry sector, mind sphere applications, technologies required for digitalization like industrial IoT, artificial intelligence, machine learning, cyber security and big data. The webinar provided an idea of digital transformation required to familiarize industry 4.0 and was well-received. Ms.M.Sowmiya and Ms.A.K.Kowsalyadevi, Asst. Professors, Dept. of ECE coordinated the session.



Session on “Journey towards Industry 4.0” held on 15th July 2020

Webinar on IEEE Xplore Digital Library

The Dept. of Library, PSG iTech, organized a webinar on “IEEE Xplore Digital Library Training” on 16th July 2020. Dr.V.Krishnamurthy, Librarian, PSG iTech, welcomed the gathering and introduced the resource person Mr.Nanda Lal TS, Senior Training Manager - South India EBSCO Information Services & IEEE Xplore Digital Library. Around seventy participants attended the webinar from different locations. Mr.Nanda Lal TS, made an insightful and interactive presentation on IEEE Xplore Digital Library. He shed light on IEEE Xplore Digital Library, simple and advanced search methods, single and bulk downloads, importance of article reference, and article metrics. The session was informative and well-received by the participants.

The Value of IEEE Research and Career Development

Nanda Lal T.S.
(BBA, MLISc, UGC NET & JRF)
Senior Training Manager
EBSCO Information Services &
IEEE Xplore Digital Library

About IEEE Xplore Digital Library

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What sectors we serve
Our publications are sold to **academic, corporate, and government** organizations around the world via our online database: the IEEE Xplore digital library.

Who we serve
We serve professionals and students involved in **all aspects of the electrical, electronic, and computing fields and all related areas of science and technology** that underlie modern civilization.

Why users need IEEE Xplore
Access to IEEE research helps students, faculty, scientists, and engineers **save time and money by accelerating R&D efforts**, and getting research and products to market faster.

EBSCO IEEE IEEE

Webinar on IEEE Xplore Digital Library held on 16th July 2020

Online International Workshop on “Cyber Security”

The Dept. of Computer Science and Engineering conducted a three-day online international workshop on “Cyber Security” in association with Computer Society of India (CSI) during 18th-20th July 2020. About 219 participants across the world participated in the workshop. The first session was facilitated by Mr Balaji Ravi, Senior Security Solutions Specialist, PCCW Solutions, Singapore. Basics of Cloud Computing were explained during the session. Also, distinction between cyber security and information security was deliberated in a clear and concise manner. The second session was engaged by Dr. Vijanth Sagayan Asirvadam, Associate Professor, Dept. of EEE, Universiti Teknologi PETRONAS, Malaysia. He detailed the importance of embedding the cyber-security elements in industrial and process plant, and pointed out the differences between Internet of Things (IoT) and industrial IoT. The third session was facilitated by Mr SP Vasanth Kumar, Security Lead, Infoziant IT Solutions LLC, St.Louis, USA. He explained about various vulnerabilities present in the real-time scenario and demonstrated the application of SQL injection tools in exploiting those vulnerabilities.

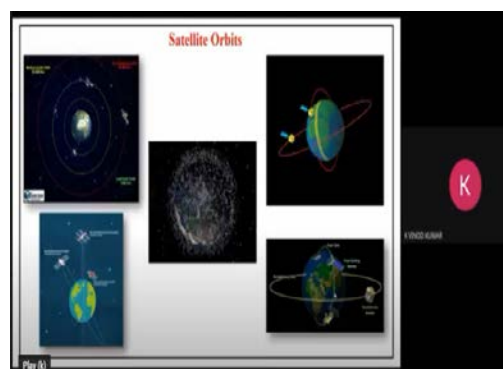
The fourth and final session was facilitated by Mr.Tony Caleb, CEO Infoziant IT Solutions LLC, St.Louis, USA. He demonstrated some real-time examples of using cyber security tools and briefed about some protective techniques of our machines without antivirus software. The workshop was listed in Mozilla international live event blog, which attracted many international participants.



Brochure of the Online International workshop on “Cyber Security” in association with Computer Society of India (CSI) held during 18th and 20th July 2020.

Webinar on “Science and Technology behind Interplanetary Space Flights and Space Vehicles”

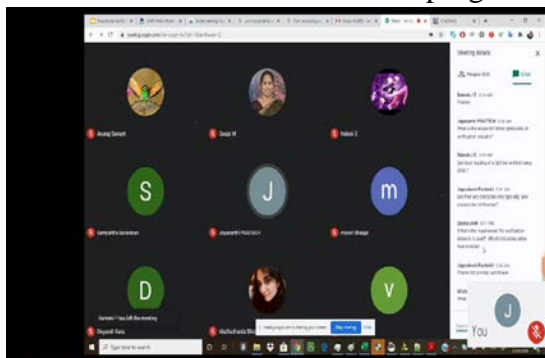
The Department of EEE in association with the IEEE Student Branch of PSG iTech jointly organized a Webinar on “Science and Technology behind Interplanetary Space Flights and Space Vehicles” on 18th July 2020 by Shri. K. Vinod Kumar, Senior Scientist, National Aerospace Laboratories, Bengaluru. With keen interest to understand the Origin and Evolution of the Universe, the guest speaker has explored Modern Physics for more than eight years and has compiled some of the research work related to Cosmology & Evolution of Life. The speaker has taken the audience a virtual tour to the outer space bringing in front the magnificent view of the entire solar system. The importance of satellite based technology in daily lives and military warfare was highlighted. The speaker then discussed some of the challenging issues and potential research areas for the young people to pursue in space flights and discussed the career opportunities in the same.



Webinar on “Science and Technology behind Interplanetary Space Flights and Space Vehicles” held on 18th July 2020

Online Webinar on Functional Verification of Complex SoC designs using UVM

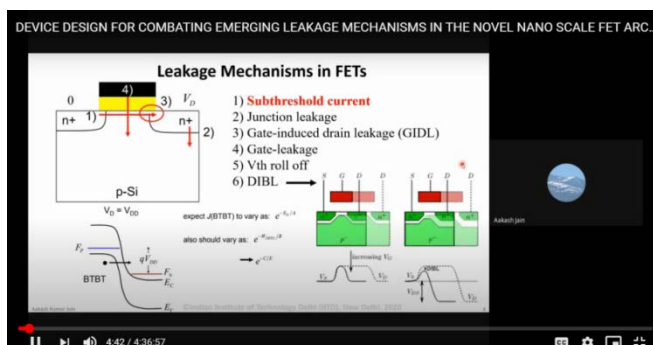
The Dept. of ECE organized a webinar on “Functional Verification of Complex SoC designs using UVM” on 20th July 2020. Mr. Renif Lal Ebinezar, R&D Division, ASIC/FPGA Design Validation Engineer, Nokia, Belgium served as the resource person. Some basic concepts in universal verification methodology (UVM), its frameworks, different phases and classes in UVM were explained during the webinar. Particularly, SoC verification interested the participants. Also, verification of processor IPs with bare-metal Code in UVM was discussed. This webinar has provided fresh insights on verification field. Totally 92 participants attended the event and got benefitted. Dr. M. Jayasanthi, Associate Professor, and Ms. M. Deepa, Asst. Professor (Sr.Gr.), Dept. of ECE were the co-coordinators of this programme.



A glimpse of the participants during the online webinar held on 20th July 2020

Webinar on “Device Design for Combating Emerging Leakage Mechanisms in the Novel Nano scale FET Architectures”

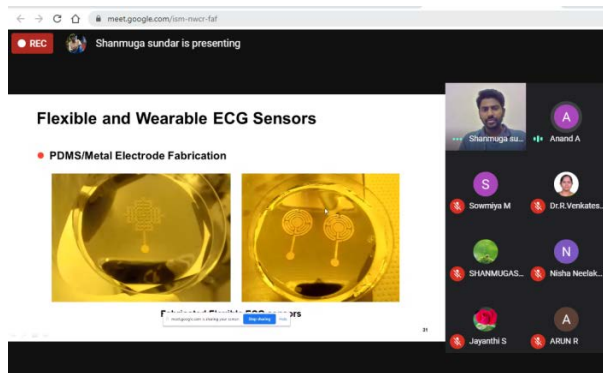
A webinar on “Device Design for Combating Emerging Leakage Mechanisms in the Novel Nanoscale FET Architectures” was organised jointly by the Dept. of ECE and The Institution of Electronics and Telecommunication Engineers (IETE) on 24th July 2020 using the online platform, Google Meet. Dr. A. K. Jain, Postdoctoral Research Fellow, National University of Singapore graced the occasion as the resource person. Some of the key points discussed were: role of process technology and barriers to scaling, emerging substitutes for conventional Boltzmann FETs, dominant leakage mechanism, SOI BOX engineering, gate engineering and extension region engineering. About 85 participants from various institutions participated and benefitted. Mr. A. Anand, Asst. Professor (Sr.Gr), Dr. G. Santhanamari Associate Professor, and Ms. M. Deepa, Asst. Professor (Sr.Gr), Dept. of ECE coordinated the event.



Resource Person sharing the views of Device designs for combating emerging leakage mechanisms in the novel nanoscale FET architectures on 24th July 2020

Webinar on “Wearable Electronics: Technology and Challenges”

A webinar on “Wearable Electronics: Technology and Challenges” was organised jointly by the Dept. of ECE and IETE on 30th July 2020 via online platform, Google Meet. About 100 participants from various institutes participated and benefited from the webinar. Dr. Shanmuga Sundar Dhanabalan, Postdoctoral Research Fellow, Functional Materials and Microsystems Research Group, RMIT University, Australia,

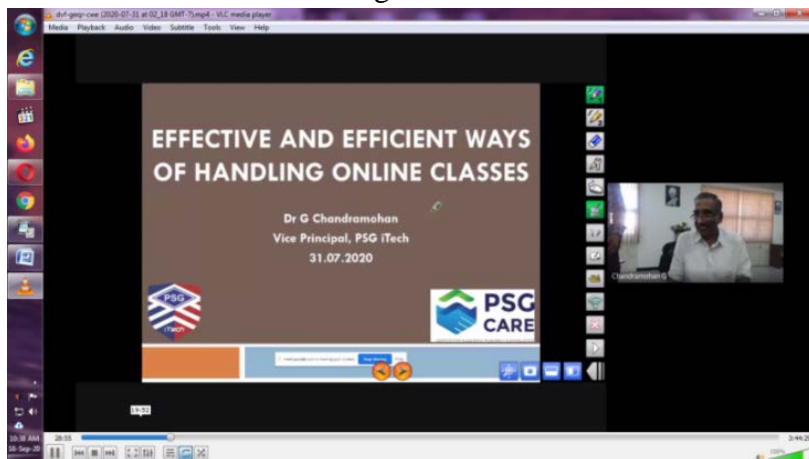


facilitated the session. The resource person thrown light on flexible and wearable electronics, flexible substrate – materials and methods used for Fabrication, wearable ECG sensors made up of flexible materials, SMDs and pulse oximeter. Mr.A.Anand, Ms.M.Deepa, and Ms.M.Sowmyiya, Asst. Professors, Dept. of ECE, PSG iTech coordinated the session.

Resource Person sharing the Sensors made up of flexible materials held on 30th July 2020

Online Session on “Effective Methods of Handling Online Classes”

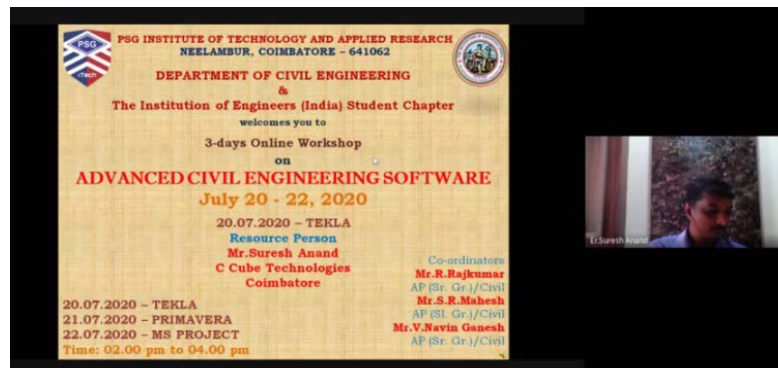
PSG Center for Academic Research and Excellence (CARE), Coimbatore organized two online sessions on “Effective and efficient ways of Handling Online Classes” on 17th and 31st July 2020. Dr.R.Rudramoorthy, Director, PSG CARE, offered his felicitations and inaugurated the session. Dr.G.Chandramohan, Vice-Principal, PSG iTech addressed the participants on “Effective Methods of Handling Online Classes”. About 172 participants attended the first session held on 17th July 2020 and 112 participants attended the second session on 31st July 2020. Participants from various schools and colleges of PSG Institutions attended the event. The sessions were conducted through Google Meet, an online platform. Various tools available for facilitating online classes like Google Meet, Google Form, Google Calendar, Google Drive, Google Classroom, Poll-maker, Vizia, etc were briefed during the session. Also, the use of ELMO projector was demonstrated for effectively conducting online classes.



Dr G Chandramohan, Vice-Principal, delivered an online lecture on “Effective and efficient ways of handling online classes” on 31st July 2020

Workshop on “Advanced Civil Engineering Software”

The Dept. of Civil Engineering, PSG iTech, conducted a three-day online workshop on “Advanced Civil Engineering Software” during 20th-22nd July 2020. The technical session was facilitated by Er.P.Suresh Anand and Er.K.Saravana Kumar from C Cube Technologies, Coimbatore. During the session, some of the basic concepts in advanced civil engineering softwares like Tekla, Primavera and MS Project were explained in detail. About eighty participants from across the country, including undergraduate and postgraduate students of Civil Engineering, members of faculty and industry professionals, participated in the workshop.



Er.P.Suresh Anand, C Cube Technologies, Coimbatore facilitating a workshop on “Advanced Civil Engineering Software” on 20th July 2020

Webinar on “Robotic Process Automation (RPA) for Personalised Assistance”

A Webinar on “Robotic Process Automation for Personalised Assistance” was organized by the Dept. of Library, PSG iTech, on 31st July 2020. Dr.V.Krishnamurthy, Librarian, PSG iTech, introduced the resource person Dr.V.Bhuvanewari, Associate Professor, Dept. of Computer Application, Bharathiar University, Coimbatore. About fifty participants from various disciplines actively participated and gained fresh insights. Dr.V.Bhuvanewari made a detailed presentation with some real-time examples. During her presentation, she explained how RPA helps to improve error-free work and reduces the task processing time. The session was well-received by the participants.

Robotic Process Automation for Personalised Assistance
Webinar Date: 31-07-2020

Dr.V.Bhuvanewari
Associate Professor
Department of Computer Applications
Bharathiar University
Coimbatore
bhuvanew_v@yahoo.com, bhuvana_v@buc.edu.in
visit at www.budca.in/faculty.php

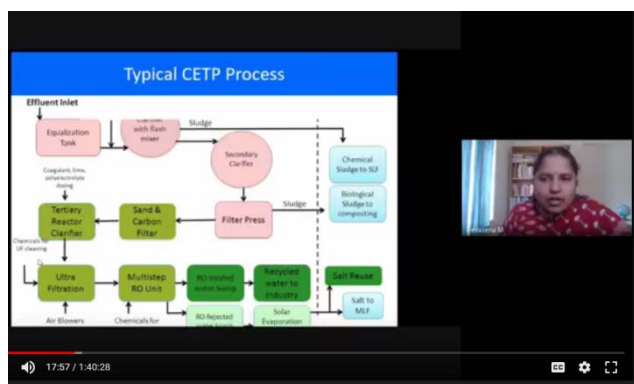
RPA Myths

MYTHS	FACTS
Human will be No Longer Required	Human Decision Couldn't be Replaced
RPA use Robots	RPA use Software Bots
100% Accurate	May be Unambiguous as Workflow is made by Human
Automate 100%	Only Specific Tasks can be automated
Replace BPO Industries	Will suitable for all Industries with repetitive work
Not Suitable for Small Industries	

Webinar on “Robotic Process Automation for Personalised Assistance” held on 31st July 2020

Online FDP on “Integrated Urban Water & Wastewater Management”

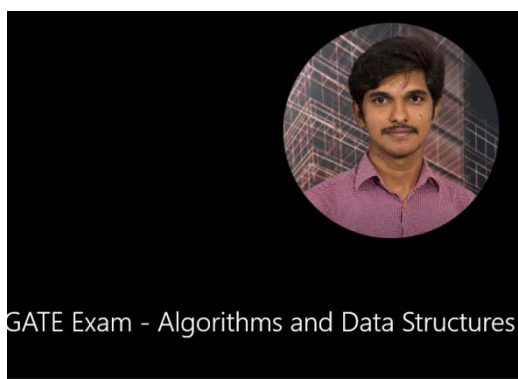
The Dept. of Civil Engineering, PSG iTech, conducted a five-day online FDP on “Integrated Urban Water & Wastewater Management” during 27th- 31st July 2020. About 250 participants across the country including members of faculty, research scholars, industry professionals and postgraduate students, attended the program. Latest advancements in the field of Water and Wastewater Treatment were deliberated during the sessions. The technical sessions were facilitated by Dr. K.Sri Bala Kameswari, Senior Principal Scientist CSIR-CLRI, Chennai; Dr.Harold Leverenz, Research Engineer, UC-Davis, California, US; Dr.Praveena Gangadharan, Asst. Professor of Civil Engineering, IIT Palakkad, Kerala; Dr.N.Ramsundram, Associate Prof and Head, Dept. of Civil Engineering, KCT, Coimbatore; and Dr.M.Devasena, Associate Professor of Civil Engineering, PSG iTech, Coimbatore. The program was co-ordinated by Dr.M.Devasena, Associate Professor, Ms.D.Pricilla, and Ms.V.Selvapriya, Asst. Professors, Dept. of Civil Engineering.



Dr.M.Devasena, Asso Prof. of Civil Engg delivers a lecture on “Integrated Urban Water & Wastewater Management”

Talk on “Cracking GATE Exam - Algorithms and Data Structures”

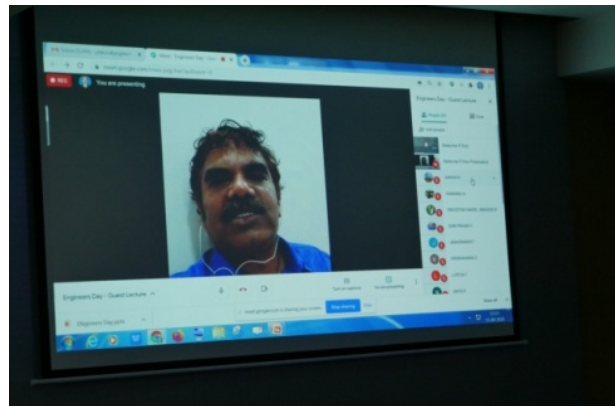
The Dept. of Computer Science and Engineering, PSG iTech in association with The Institution of Engineers (India) PSGI Students’ Chapter organized a talk on “Cracking GATE Exam - Algorithms and Data Structures” on 1st August 2020. Mr C. P. Shabariram, Asst. Professor, Dept. of CSE, PSGiTech, Coimbatore, who has consequently scored 92.8, 87.5, and 86.8 percentile, shared his rich experience, some productive strategies for GATE preparation (CS), and key approaches to solve GATE Questions. Also, he shared some basic concepts in Data Structures and Algorithms from the previous year question papers. About 354 participants, comprising students and members of faculty, participated and discussed their doubts.



Mr C. P. Shabariram, Asst. Professor, Dept. of CSE delivered a lecture on “Cracking GATE Exam - Algorithms and Data Structures” on 1st August 2020

“Engineers Day -2020”

Commemorating the birth anniversary of Sir Mokshagundam Vishveswaraya, students and members of faculty in the Dept. of Civil Engineering celebrated the “Engineers Day-2020” on 15th September 2020. A short video, explaining his significant contributions, was screened as a tribute. A webinar on “Employment Opportunities for Civil Engineers in IT Sector” was organized. Dr.M.I.Abdul Aleem, Professor and Head, Dept. of Civil Engineering, welcomed the gathering. Er.Ramasamy Murugan, Program Manager IBM, Bangalore delivered the keynote address. Mr. P. Balakumar, Asst. Professor, Dept. of Civil Engineering, proposed the vote of thanks.



Er. Ramasamy Murugan delivered the Keynote Address during Engineers Day Celebration held on 15th September 2020

Virtual Session on Online Teaching and Assessments

PSG Center for Academic Research and Excellence (CARE), Coimbatore has organized a five-day workshop on “Effective Teaching Techniques for Online Teaching” for the teaching fraternity in PSG Schools from 21st to 25th September 2020. Dr. G Chandramohan, Vice Principal, PSG Institute of Technology and Applied Research, Neelambur, Coimbatore delivered a virtual session on “Online Teaching and Assessments” on 23rd September 2020.

Dr. R. Rudramoorthy, Director, PSG CARE welcomed the participants. The session focused on Five Pillars for Online Teaching and Assessment, Effective Engagement of Students, Importance of Peer Assessment, Efficacious Utilization of Google Forms and Vizia Software. Around 200 teachers from various schools of PSG Institutions attended the session along with two in-person learners from PSG iTech. During the above session, the need for effective and efficient teaching and learning was emphasized through an interesting anecdote. Later, participants were introduced to various activities like conducting quizzes, peer-assessments, and reviewing process. Some of the best practices followed in PSG iTech like knowledge enrichment through Coursera, National Programme on Technology Enhanced Learning (NPTEL), and SWAYAM were highlighted. The participants were encouraged to complete at least one online course to understand the international standard set by the leading universities across the world on teaching and learning. Finally, the presentation concluded with a Ted Talk Video on “What Leads to Success?” by Richard St. John. Finally, Dr. R Deepa, Chief Coordinator, PSG CARE proposed the vote of thanks.



Dr. G.Chandramohan and Mr.V.Navin Ganesh, Asst. Prof, Dept. of Civil Engineering, are facilitating a workshop for the teachers of PSG Schools, Coimbatore, held on 23rd September 2020

Virtual Session on Conduct of Online Laboratory Classes: A Demo for School Teacher

Dr. P V Mohanram, Principal, PSG iTech facilitated a virtual session on “Conduct of Online Laboratory Classes: A Demo for School Teacher” on 24th Sep 2020 along with Mr.P.Balakumar and Mr.V.Navin Ganesh, Asst. Professors (Senior Grade), Dept. of Civil Engineering. Dr. R. Rudramoorthy, Director, PSG CARE welcomed the participants and introduced the resource person. Before the commencement of the session, various challenges faced by the teachers, especially for lab, were identified through an online survey and the same were addressed. Some of the major challenges identified in conducting online lab sessions were Effective Engagement of Students, Access to Monitoring Student Exercises and Audio-Visual Feedback from the Learners. During the session, various fruitful strategies were deliberated for the participants to tackle the challenges like:

- Effective Use of Cameras for Demonstration
- Allowing Limited-in-person Learners
- Few Virtual Learners and Receiving Regular Acknowledgement from the Learners
- Stable Network Connection
- Use of Speakers to Listen to the Learner’s Ideas Instantaneously
- Dummy Screen to know what is being presented on Screen.
- Open Broadcast Studio, an online streaming and recording software, was recommended for effective conduct of lab session.

In addition, a demonstration on Hooke’s Law was presented to the audience with step-by-step guidance. Besides demonstration, lab facilitators were requested to employ a combination of various other teaching techniques like use of suitable videos, quizzes and polls to cater to the needs of different learners. Teachers were asked to help the students to think rather than rote memorization and apply the concepts learned in various other platforms for holistic learning. Around 157 teachers from PSG Schools attended the session along with in-person learners from PSG iTech. Finally, Dr. R Deepa, Chief Coordinator, PSG CARE proposed the vote of thanks.



Dr. P.V.Mohanram, Principal, and Mr.P.Balakumar, Asst. Prof address the challenges faced by the teachers during the conduct of online lab session, as part of their presentation on “Conduct of Online Laboratory Classes: A Demo for School Teachers” held on 24th September 2020

International Webinar on “Semiconductor Devices & its Applications”

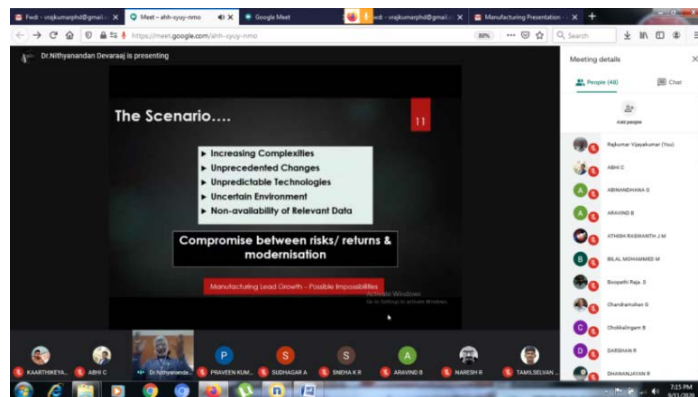
An International Webinar on “Semiconductor Devices & Its Applications” was jointly organized by the Institution of Engineers (India) PSGI-Students Chapter and the Dept. of Electronics and Communication Engineering on 15th August 2020 through the online platform, Google Meet. Dr. Balakumar Muniandi, Patent Engineer in JCIP, Taipei, Taiwan shared some insights on implementations of semiconductor devices and its applications. The webinar explored an in-depth understanding of the topics and was highly informative. Totally 41 students from various institutions attended the webinar and benefitted. Mr. M.Jothibas, Asst. Prof, Ms.M.Deepa Asst. Professor (Sr.Gr) and Ms. D.Archana, Asst. Prof, Dept. of ECE, coordinated the event.



Turbo boost techniques & Control topology of TI

Online Lecture on “Manufacturing: Challenges and Excitements”

The Dept. of Mechanical Engineering in association with The Institution of Engineers (India) organized a special lecture on “Manufacturing Challenges and Excitements” on 11th September 2020. Dr.V.Rajkumar welcomed the distinguished speaker Dr. Nithayanandan Devaraaj, Executive Director, Amex Alloys Pvt. Ltd. About 10 members of faculty and 60 students attended the online session. The speaker stressed the importance of manufacturing in the current scenario and its effect on the GDP. Also, he emphasized the importance of the Japanese concepts like TPS, Lean, KANBAN, Just-in-time (JIT) manufacturing and their effect on manufacturing and supply chain. He quoted some examples for JIT and SBC techniques. Dr.G.Chandramohan, Vice-Principal, proposed the vote of thanks.



Special Lecture on “Manufacturing: Challenges and excitements” by Dr. Nithayanandan Devaraaj ED, Amex Alloys Pvt Ltd. held on 11th September 2020

International Webinar on “Recent advances in AI for Data Science, Computer Vision and Natural Language Processing”

The Department of Computer Science and Engineering, in association with The Institution of Engineers (India) PSGI Students’ Chapter, organized an International Webinar on “Recent advances in AI for Data Science, Computer Vision and Natural Language Processing” on 29th October 2020. The Speaker, Dr Mario Kolberg, Senior Lecturer, Computing Science, University of Stirling, addressed the participants on the recent advancements in Artificial Intelligence for Data Science, Computer vision and Natural Language Processing. Around seventy external and internal students and members of faculty participated in the event. The event was well-received by the participants. Participants were given e-certificate. Key ideas:

- Deep learning for computer vision and natural language processing
- Data Science
- Computer vision
- Artificial Intelligence
- Natural Language processing

- Image Processing
- Information retrieval
- Pattern recognition
- R Programming



Dr Mario Kolberg, Senior Lecturer, Computing Science, University of Stirling, addressing the participants during the International Webinar on “Recent Advancements in AI for Data Science, Computer Vision and Natural Language Processing” held on 29th October 2020.

Lecture on “3D Printing”

PSG iTech, in association with the Indian Society for Technical Education (ISTE) Student Chapter organized a guest lecture on 3D Printing for the first year students as part of Technological Advancements- Lecture Series on 12th Dec. 2020. Mr.Vignesh Hari, an alumnus of KTH Royal Institute of Technology, Sweden, addressed the students on various aspects of 3D Printing Technology. Dr.P.V.Mohanram, Principal, welcomed the students and faculty participants. During the welcome address, students were explained about the importance of ISTE and were requested to identify and explore some of the latest state-of-the-art technologies like Artificial Intelligence, 3D Printing and expand their horizon of knowledge.

Mr. Vignesh Hari, in his detailed presentation, defined 3D Printing, differentiated subtractive and additive manufacturing, and explained in detail about the working of 3D Printing and its industrial applications with interesting videos and pictures. Students were elaborated on the materials that could be employed for 3D printing technology like plastics, ceramics, and metal. The resource person also highlighted on Metal 3D Printing and discussed the advantages of Power Bed Fusion (PBF) process. In addition, he explained about the application of PBF process in various fields like medical, aerospace, and automation. Also, the future of 3D Printing and its impact were discussed. Finally, Dr M I Abdul Aleem, Secretary (ISTE PSG iTech), Professor and Head, Dept. of Civil Engineering, proposed the vote of thanks and invited all the interested students to explore various avenues of knowledge in 3D printing. Mr.D.Venkatesh, Asst. Professor, Dept. of ECE, coordinated the session.



Dr. I Abdul Aleem, Secretary (ISTE -PSG iTech), Dr PV Mohanram, Principal, Mr.Vignesh Hari, KTH Royal Institute of Technology, Sweden, Dr.G.Chandramohan, Vice-Principal and Dr.P.Vetrivelan, Associate Professor and Head (i/c), Dept of ECE, during the lecture on 3D Printing, held on 12th Nov. 2020.

Event on “Anybody can Cook”

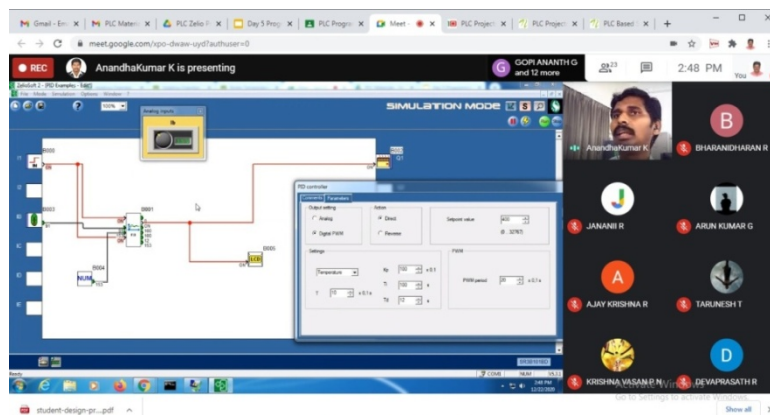
Cooking is an inevitable life skill and the management of PSG institutions supports the faculty of PSG Institute of Technology and Applied Research, Neelambur, Coimbatore in organizing activities to promote and develop the same through the cooking club Pushti:. One such interesting event was conducted on 5th December 2020 called “AnyBody can Cook”, for all the first year students. Around 200 students joined the session via Zoom. Principal Dr. P V Mohanram and Vice Principal Dr. G Chandramohan began the session with a note on the importance of cooking irrespective of gender and age. A step by step live demonstration of cooking “Pumpkin Halwa” was made by a team of faculty and staff members headed by the Pushti: club co-ordinator Dr.G. Santhanamari, Associate Professor, Department of ECE. Around 15 students performed the same from their homes and casted their screens live while others participated as active observers. The ingredients, their cost and the nutrient value were outlined during the demo. The session was lively and interactive. Even the novice students expressed their motivation to cook and try the recipe at home.



The Team of faculty and staff members of Pushti Club headed by the co-ordinator Dr G Santhanamari with Principal Dr P V Mohanram, Vice Principal Dr G Chandramohan and Dr.N.Saravanakumar, Professor and Head, Dept. of Mech, and P Vetrivelan, HoD Incharge of ECE, after the online live cooking demo

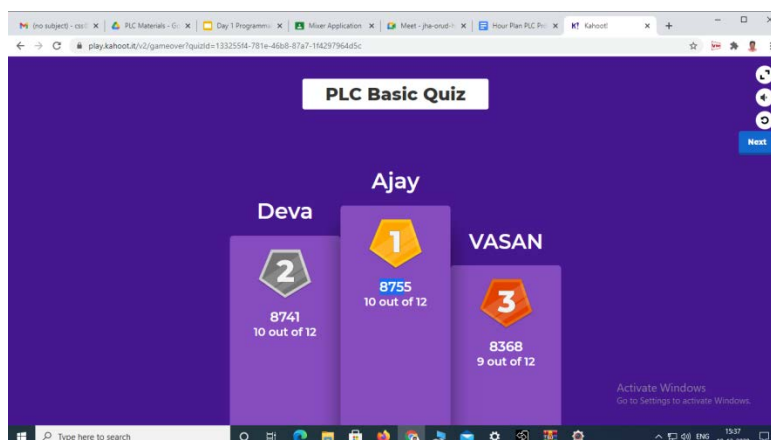
Workshop on PLC Programming:

The Department of Electrical and Electronics Engineering, in association with ISTE – PSGiTech Student Chapter (TN366), organized a six-day online workshop on PLC Programming for third year students of Electrical and Electronics Engineering. The training program was conducted from 17th to 23rd December 2020, for twenty five students and four technical support staff. The simulation training was conducted in Google Meet platform using Zelio software from Schneider Electric. Participants were taught the basics of electrical control circuit using contactors and push buttons, and programming PLC using ladder logic diagram and functional block diagram, in addition to the fundamentals of automation, and developing control logic for different industrial scenarios using PLC.



Screenshot of Online PLC Training Session

The working of push buttons, other input devices, contactors, and starters was demonstrated and integrating all these devices, an automatic water level control system was also demonstrated. On the last day of the raining, students were grouped into three-member batches, projects were allocated and students successfully completed the simulation projects and presented their work. To encourage active learning, assignments, quizzes in Kahoot and Google Forms were conducted at regular intervals.



Screenshot Kahoot Quiz Winners List

Lecture on “Personal and Professional Ethics”

PSG iTech in association with the Institute of Engineers, India (IEI) iTech Students’ Chapter, the Institutions’ Innovation Council (IIC) and Wellness Center, organized a guest lecture on “Personal and Professional Ethics” for the students and members of faculty on 9th January 2021 in the college premises. Dr L.S. Ganesh, Professor (Retd.), Dept. of Management Studies, IIT (Madras) addressed the gathering on the philosophical and practical aspects of ethics in different contexts of life. Dr.G.Chandramohan, Vice-Principal, offered his felicitations and appealed the young students to adhere to ethics in both their academic and personal lives. Dr.R.Manimegalai, Professor and Head, Dept. of Computer Science Engineering, welcomed the gathering and introduced the chief guest to the audience.

In his thoughtful discourse, Dr Ganesh shed light on various aspects of consciousness, dialectical nature of universal eternal truth and worldly truth, and the struggle of an individual in upholding the values in different spheres of life like personal, professional and public. It was stated that an individual’s belief systems and understandings play a key role in conditioning the ethics. Also, participants were explained about the role of interpersonal skills like the non-verbal signals, diction and tone in shaping the ontological nature of truth. It was stressed that one has to engage in continuous struggle to uphold the values in life. In addition, he explained the nexus between the personal, interpersonal and systemic ethics and how they are to be driven by meaningful purpose. The speaker appealed the audience to understand the functioning of their mind and requested them to keep their minds under their control rather being influenced by external factors. Also, he explained the role of intention and knowledge in measuring the ethics and be mindful of the attitude that reflects in every action. During the session, he also emphasized on the pivotal role of education in instilling the values and ethics in young students. Finally, Dr.M.Devasena, Associate Professor, Dept. of Civil Engineering, proposed the vote of thanks. The session ended with high tea and group photo with the resource person.



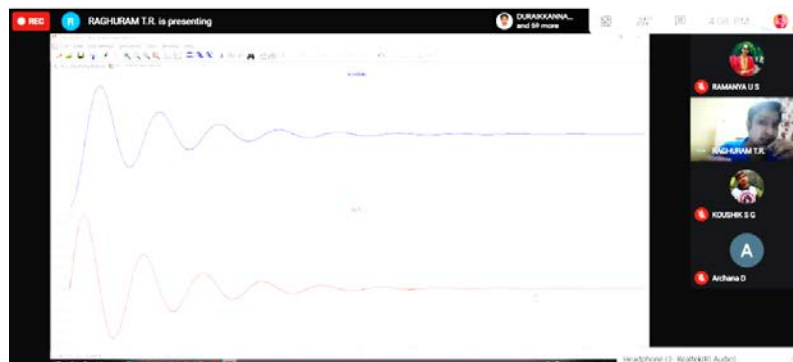
Dr.G.Chandramohan, Vice-Principal, Heads of the Departments, and Members of Faculty along with the resource person Dr.L.S.Ganesh during the session on Personal and Professional Ethics held on 9th January 2021

Online Workshop on “Circuit Analysis using SPICE”

The Department of Electronics and Communication Engineering in association with the Indian Society for Technical Education (ISTE) organized a one-day online workshop on “Circuit Analysis using SPICE” on 12th January 2021 for the second year ECE students. Mr.T.R.Raghuram, Research Scholar, Electrical Engineering, IIT Palakkad was the chief guest of the workshop. Around 60 students and 3 faculty members participated in the workshop.

Key areas discussed:

- Introduction to circuit analysis
- Simulation of Ohm’s Law, Kirchoff’s Law, Voltage division rule, Current division rule, Resistors in series and parallel
- Mesh current and Nodal voltage analysis with dependent and independent sources
- Simulation of Network Theorems like Thevenin, Norton, Superposition theorems
- Modeling System Dynamics using SPICE



Mr.T.R.Raghuram, Research Scholar, IIT Palakkad, simulating the RLC circuit using LTSPICE during the workshop held on 12th January 2021

Guest lecture on “PFMS EAT module – Need and Importance for Institutions”

A special guest lecture on “PFMS EAT module – Need and Importance for Institutions” was delivered by Mr. S. Francis, Senior Accountant Officer(Training and Capacity Building), Ministry of Finance, Government of India, PFMS, New Delhi at PSG iTech on 20th January 2021. The event was organized in association with the Institution of Engineers (India) – PSGI Students’ Chapter. Totally 40 faculty and staff members participated in the program. Dr. P Subbaraj, Professor and Dean (Research), PSG iTech welcomed the gathering, and Ms. R. Divya, Assistant Professor, Dept. of EEE, introduced the chief-guest to the audience. Mr. S. Francis explained the importance of PFMS - Public Financial Management System. PFMS, a web-based application, is an online management information and decision support system for the planning the schemes organized by the Government of India. With the help of this platform, it is easy to track and monitor fund disbursement and utilization in real-time basis. He also explained in detail about the modules developed by PFMS such as i) Fund Flow Monitoring, ii) Direct Benefit Transfer DBT modules iii) Interfaces for Banking.

He also added that after the completion of registration process, the agencies can login into PFMS portal and can create Maker and Checker type users to use Expenditure-Advance-Transfer modules (EAT module) for transferring funds or advance to lower-level agencies and e-payments to vendors, employees and beneficiaries for financial MIS (Management Information System). This platform was designed to build efficiency, effectiveness, accountability, and transparency in the Government system. He also explained the file transfer protocol such as SFTP (Secured File Transfer Protocol) relating with real-time examples. Ms. Archana D, Assistant Professor, Dept. of ECE proposed the vote of thanks. Dr M Mohammed Iqbal, Associate Professor, Dept. of EEE and Mr. M Jothibas, Asst. Prof (Sr.Gr), Dep. of ECE coordinated the event.



Mr. S Francis along with the faculty and staff members of PSG iTech during the guest lecture on “PFMS EAT module – Need and Importance for Institutions” held on 20th January 2021

Workshop on “Introduction to LabVIEW and Sensor Interfacing”

The Department of Electronics and Communication Engineering in association with The Institution of Engineers (India) PSGI Students’ Chapter conducted a two-day online workshop on “Introduction to LabVIEW and Sensor Interfacing” during 27th-29th January, 2021. The importance of graphical programming in contrast to textual programming was highlighted in addition to a bird’s eye view of prototype development using LabVIEW. Around 30 students from II and III year ECE got benefitted from this workshop.



Mr Vishweshwar, National Instruments presenting the session on “Preparing students for 21st century System design challenges using NI” on 27th Jan 2021

The following topics on sensors were covered as part of the workshop and students were able to get hands-on experience using their community edition:

- Introduction to LabVIEW Graphical Programming Environment
- Loops, structures in SubVI in LabVIEW
- 21st century System design challenges using NI
- Graphs, Charts and Waveforms in LabVIEW
- Signal Processing using LabVIEW
- Sensor Interfacing using LabVIEW

Webinar on “Recent Trends in Electric Vehicles”

A webinar on “Recent trends in Electric Vehicles” was organized by the Institution of Engineers (India) Coimbatore Local Centre in association with the Department of Electrical and Electronics Engineering on 03rd February 2021 at Online Platform Google Meet. Dr P R Natarajan, Chairman, IE(I), Coimbatore Local Centre and Council member, IE(I), Kolkata welcomed gathering. Dr M Mohammed Iqbal, Associate Professor, Department of Electrical and Electronics Engineering, PSG Institute of Technology and Applied Research, Coimbatore presided over the meeting. Ms. R Divya, Assistant Professor, Department of Electrical and Electronics Engineering, PSG Institute of Technology and Applied Research, Coimbatore introduced the Chief Guest to the members.

Mr S Karthik, Chief Engineer – Technology, Ampere Vehicles Private Limited, Coimbatore, served as a chief guest and delivered a lecture on “Recent Trends in Electric Vehicles”. He explained the construction and working of brushed DC motor and brushless DC motor and its control. Further, he shared that zero-emission vehicle deployment, fuel economy and emissions standards, increase in public charger availability and capacity, electrification will spread into the heavier vehicle segments. The members found the talk interesting and informative. Finally, by Dr H Rammohan, Honorary Secretary, IE(I), Coimbatore Local Centre proposed the vote of thanks.



Online Webinar on “Recent Trends in Electric Vehicles” was held on 03rd February 2021

Event by Cooking Club (Pushti:)

Cooking is an inevitable life skill and the management of PSG institutions supports the faculty of PSG iTech in organizing activities to promote and develop the same through the cooking club Pushti:. One such interesting event was conducted on 6th February 2021 called “AnyBody can Cook”, for all the first year students. Around 120 students joined the session via Zoom. Dr. S. Aramuthakannan, Asso Prof, Department of Mathematics, Dr. K. Pramila, Prof & Head, Department of English, and Dr. G. Latha, Asso Prof & HoD i/c, Department of Chemistry began the session with a note on the importance of healthy eating and cooking irrespective of gender and age. A step by step live demonstration of cooking “Kadai Veg Gravy” was made by a team of faculty and staff members from department of ECE along with Pushti: club co-ordinator Dr.G.Santhanamari, Associate Professor, Department of ECE. Around 10 students performed the same from their homes and 4 students casted their screens live while others participated as active observers. The ingredients, their cost and the nutrient value were outlined during the demo. The session was lively and interactive. Even the novice students expressed their motivation to cook and try the recipe at home.



Team of faculty members before the Online live cooking demo



Dish prepared by Mr Harshavarthan P K, I year CSE

Lecture on “Dealing with Stress on Current Times”

PSG Institute of Technology and Applied Research, in collaboration with Women Empowerment Cell, Society of Automotive Engineers (SAE), Wellness Centre and Harmony Club organized a webinar on “Dealing with Stress on Current Times” on 13th February 2021. Dr M. Roopa Rani, Faculty, Department of Mechanical Engineering, PSG College of Technology, addressed the Students and Members of Faculty. Dr P V Mohanram, Principal, welcomed the gathering. The Standard Human Problem and Solution (as listed in Drg - DrishyaViveka:) was briefly presented by Principal in the introductory session. He also connected the above approach with the vision of Women Empowerment Cell, where the women will turn out to be confident leaders with the highest competence and capable of serving the world with reverence to environment.

Dr Roopa Rani, the resource person, commenced her speech by highlighting two major factors that cause stress: expectation in situations and multi-tasking. There is a constant chatter happening in mind due to our resistance to what is unfolding. She pointed that 80 % people feel stressed due to three reasons, besides digital technology:

- Work pressure
- Peer pressure
- Relationship issues

The outcomes of such pressure result in serious mental agony like anxiety and depression; there is a decrease in focus, concentration and it culminates in irritation and shouting at others. Besides, it causes physical issues like stomach ulcer, cardiac issues, blood pressure, digestive problems, weight gain, and pain in joints and so on. Therefore, she urged the participants to check whether the cause of stress is under one's control. What causes stress?

- My attitude i.e. my state of being
- My relationship with family and mutual expectations
- My equation with friends and colleagues
- The environment (uncertainty, future)
- Genetic make-up.

In any situation try to study:

- What can be changed? If 'yes'-give a try
- If 'no' - let there be reverential acceptance of the situation and gently flow with it.
- Resistance goes away
- It brings ease to the journey of life

It may be noted that trees, animals and other forms of nature do not experience stress. Also, the speaker shared some useful techniques to stay away from stress.

They are as follows:

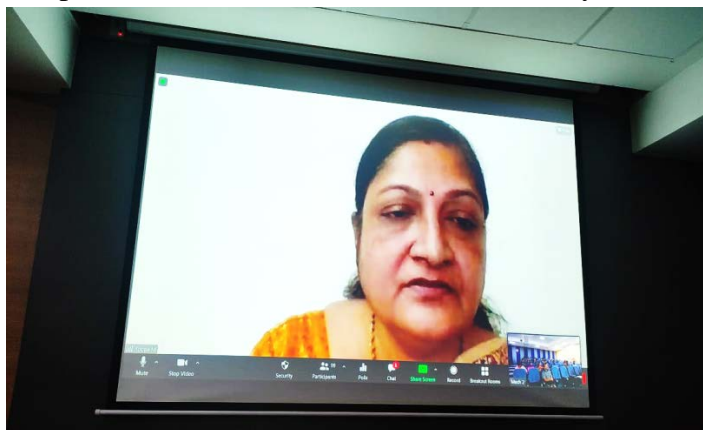
- Prioritize Important Things – To Do Task List
- Plan the activities to be done for the next day
- Task Management – Most Important, Most Urgent
- Give least priority to Social Media
- Allocate extra time for activities that really deserve
- Set long-term goals for professional developments such as publishing research papers, writing research proposals, books, promotion etc.
- Set short-term goals for developing communication skills, learning new languages, interpersonal skills, sports, spiritual, health care, new game, song etc.
- Develop emotional well-being by spending quality time with family and friends

- Learn to express yourself in a polite manner to your mentors; it increases confidence
- Cultivate cordial relationship with everyone, particularly with the junior subordinates
- Show real concern for others with an intension to solve their issues, moment to moment
- Listen and respect others' point of view (Listen and consider)
- Have the patience to understand, and, adjust to different situations as you grow in the profession
- Reserve some time for yourself: “Me Time” for self-analysis and reflections
- Am I making others happy? – A fundamental question, which each one of us have to ask oneself frequently

Besides sharing these tips, participants were requested to understand PDCA Cycle: P-Plan, D-Do, C-Check, and A-Analyse. The speaker urged the young student participants to inculcate healthy habits viz:

- Discover the stress-free zone in your SELF
- Accept and face new challenges; welcome challenges;
- Do things that you like, and stay energetic throughout the day
- Practice positive affirmations like “I will make it” and “Everything is for my good”; keep repeating
- e grateful to everyone and everything that you possess, even in little things and activities
- Why get caught in negative spiral of energy through ‘complaining’?
- Shift the focus from “Me” to “You”
- Reach out to the needy e.g., spending time with students, Manavar Illam
- Practise “self-enquiry” to understand the root cause of psychological problems

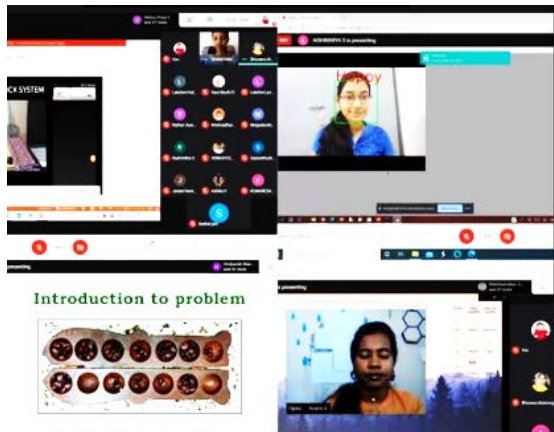
She also gave a five-minute guided practice session on breath watching meditation to all participants. The session came to an end with vote of thanks by students of first year and a group photo with the members of Women Empowerment Cell and students of the first year.



Dr M. Roopa Rani addressed the Students and Members of Faculty on Dealing with Stress on Current Times on 13th February 2021

Online Project Exhibition

The Department of Computer Science and Engineering, PSG Institute of Technology and Applied Research conducted Project Expo 2021 in association with Institution of Engineers (India) on 20th Feb 2021. Best projects done by 2018-22 and 2019-23 batches of students were demonstrated to the first year CSE students. Students have developed their projects in various domains such as Internet of Things (IoT), Data Structures, Deep Learning and Image Processing. They demonstrated the working of the model with code. Ms. Shanthi and Team from III CSE presented and published their project on “Smart Door Locking System Using IoT” in IEEE Conference. Mr. Harikrishna and Team demonstrated the

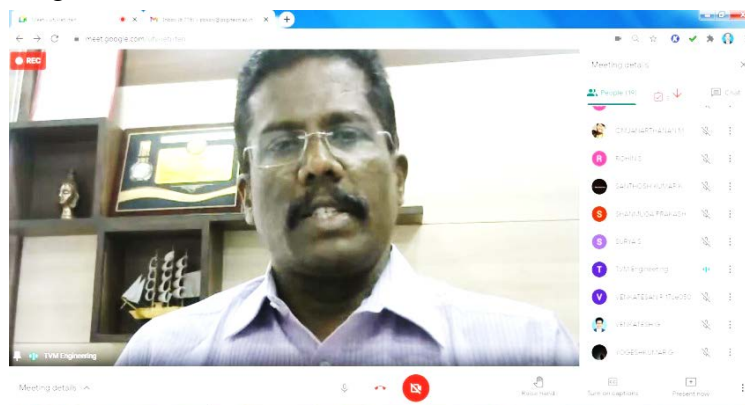


Mancala using circular linked list and got selected in the National-level Toycathon-2021 competition. Mind Tree Implementation using C was explained by Mr Kirubanand from II CSE. Image Processing applications such as Facial Expression detection and Driver drowsiness detection systems were nicely demonstrated by Ms Aiswarya & Team, Ms Ganga Devi & Team respectively. All the students benefited by attending Online Project Exhibition and gained overall idea about the importance of doing projects.

Project Expo 2021

Guest Lecture on “Start the Career in a Smart Way”

The Department of Civil Engineering, in association with ISTE Students Chapter (TN-366), organized a guest lecture on “Start the Career in a Smart Way” on 23rd February 2021. Dr. M.I. Abdul Aleem, Professor and Head, Dept. of Civil Engineering, welcomed the gathering. Er. T. Vanchimuthu, Proprietor, TVM Engineering Construction, Coimbatore delivered the Keynote address and motivated the Final Year Civil Engineering students. Mr. P. Balakumar, Assistant Professor, Dept. of Civil Engineering, proposed the vote of thanks. The programme was conducted virtually and around 25 students attended the guest lecture.



Er. T. Vanchimuthu delivering the keynote address on 23rd February 2021

Guest Lecture on “Restoration of Lakes”

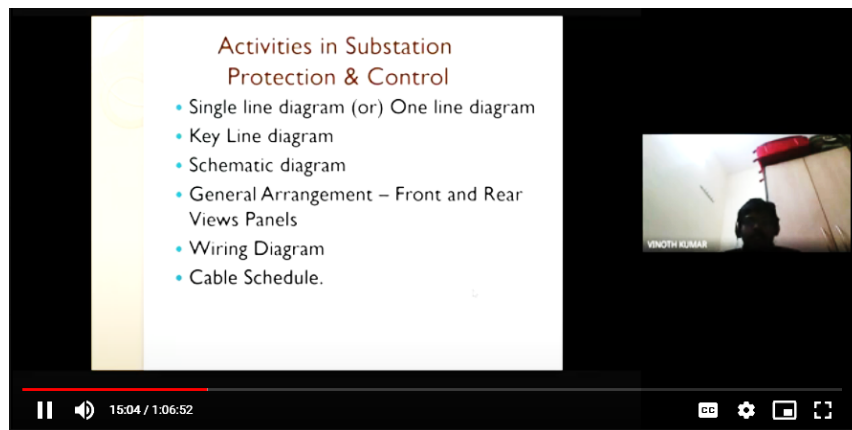
The Department of Civil Engineering, in association with ISTE Students Chapter (TN-366), organized a guest lecture on “Restoration of Lakes” on 27th February 2021. Ms.V.Elakya, Secretary, Civil Engineering Association, welcomed the gathering. Dr.R.Ilangovan, Rtd. Chief Engineer, PWD, delivered the Keynote Address and spoke about the importance of restoring lakes and lake water. Ms. R. Suchitra, Joint Secretary, Civil Engineering Association, proposed the vote of thanks.



Dignitaries on the Dais during the guest lecture on 27th February 2021

Webinar on Emerging Trends in Electrical Substation Design

The Department of EEE, in association with the IEEE Students’ Branch (PSG iTech) jointly organized a one-day webinar on “Emerging Trends in Electrical Substation Design”, on 6th March 2021. Mr. S. Vinoth Kumar, Electrical P & C Engineer, Balfour Beatty, Bengaluru was the chief guest. He spoke about the emerging trends in electrical substation design and various substation types such as air insulated & gas insulated substations. He also gave an overview on substation equipment, circuit breaker, one and half breaker scheme, breaker failure, current transformer, potential transformer, bus-bars, autotransformers, metrosil relay, and relay panels. He also explained the development of one line diagram, key line diagram, schematic diagram, wiring diagram and cable scheduling of substation. Finally, the speaker discussed the career opportunities, challenging issues and potential research areas in electrical substation design, available for young engineers.



Mr. S. Vinoth Kumar, Electrical P & C Engineer, Balfour Beatty, Bengaluru, delivering the webinar on “Emerging Trends in Electrical Substation Design”

Guest Lecture on “General Health and Day to Day Lifestyle”

PSG iTech staff club organized a guest lecture on “General Health and Day to Day Lifestyle” on 24th March 2021. Dr.K.Mahadevan, Professor, Dept. of Dermatology, PSGIMSR served as the resource person for this programme. Dr.G.Chandramohan, Principal, PSG iTech welcomed the gathering and stressed the importance of health in our life. Mr.M.Jothibas, Assistant Professor (Sr.Gr) introduced the chief guest. Dr.P.V.Mohanram, Secretary, PSG iTech delivered the felicitation address. Dr.K.Mahadevan highlighted the importance of mental health, physical health and social health in his humorous speech. He stressed the importance of lifestyle modification to manage the common diseases like blood pressure, diabetes and cholesterol. Finally, Dr.I.Kala, Associate Professor, delivered the vote of thanks.



Dr.K.Mahadevan, Professor, Department of Dermatology, PSG Institute of Medical Science and & Research highlighting the importance of mental health, Physical health and Social health during the guest lecture on “General Health and Day to Day Lifestyle”

AICTE-ISTE Sponsored Refresher/Induction Programme on “Integration of Pedagogical Strategies with ICT for Transformation of Engineering Education”

The Department of Electronics and Communication Engineering (ECE) organized an AICTE-ISTE sponsored One-week Online Refresher / Induction Programme (Phase II) on “Integration of Pedagogical Strategies with ICT for Transformation of Engineering Education” during 25-31 March 2021. Col. B. Venkat, Director, Faculty Development Programme, AICTE, New Delhi, participated and delivered the inaugural address and offered felicitations.

Dr G.Chandramohan, Principal, delivered the welcome address and Dr.P.V.Mohanram, Secretary, PSG iTech, delivered the presidential address. In his presidential address, he thanked the AICTE for sponsoring the programme and appreciated the efforts taken by members of faculty in organizing the event. Also, he highlighted various innovative teaching strategies practised in PSG iTech in alignment with National Education Policy (NEP), formulated by the Govt. of India. Later, Mr.D.Venkatesh, Asst. Professor, Dept. of ECE, introduced the Chief Guest to the participants.

The Chief Guest Col.B.Venkat, in his address, congratulated the college administration for organizing fruitful academic activities on NEP. Also, he spoke about the importance of participating in the Faculty Development Programmes (FDPs) and enhancing various skills required for effective teaching and learning process. Dr. P. Subbaraj, Dean, Electrical Sciences, in his felicitation speech, spoke about paradigmatic shift in teaching and learning process, especially the transformation from faculty-centric to student-centric and other flexibilities in learning. Also, he stressed the importance of motivating students in learning rather than merely delivering bookish knowledge, which is readily available. In addition, he requested the members of faculty to lecture less, motivate the students to interact more and enjoying giving lectures. Finally, Dr. P. Vetrivelan, Head of the Dept. (in-charge), Dept. of ECE, and the coordinator of programme, proposed the vote of thanks. Some of the significant points shared during the session were recapitulated and expressed his sincere gratitude to the management, invitees, and participants for their continued support and encouragement. Mr.D.Venkatesh, Mr.K. Paldurai and Ms. M.Sowmiya, Asst. Professors, Dept. of ECE, coordinated the programme.



Dr.G.Chandramohan, Principal, delivering the welcome address during Inaugural Session on AICTE-ISTE Sponsored Refresher/Induction Programme on “Integration of Pedagogical Strategies with ICT for Transformation of Engineering Education”

First International Conference on Next Generation Computing Systems

The First International Conference on Next Generation Computing Systems (ICNGCS 2021) was organized by the Department of Computer Science and Engineering on 26th March, 2021. The conference was organized by the Department of Computer Science and Engineering. Dr. R Manimegalai, Professor and Head, Department of Computer Science and Engineering, welcomed the chief guest, Mr Dhiraj Rajaram, Founder, Chairman and CEO, Mu Sigma Inc, Dr B Ramamoorthy, Advisor (Academic), PSG Institutions, and the gathering. The function was graced by the Guest of Honors Mr. Karthik Vaidyanathan, Co-Founder and CTO at Reelbox and Mr Vivek Kalagara, CTO, Data Foundry. Dr. P Ilango, Professor, Dept. of CSE, Conference Chair, briefed about the conference.

Principal, Dr G Chandramohan delivered the Presidential Address and congratulated the Department of Computer Science and Engineering for initiating the first international conference. He quoted that a total of 91 papers were received and after peer review 58 papers were selected for presentation in the conference. He stated that the creativity of the students and faculty must be enhanced by following the intuition process and obtaining multiple solutions to a given problem. It must be followed by the left brain activity, which involves logical thinking aiming at detailing the optimal solution. The conference e-proceeding was released by Mr Dhiraj Rajaram and the hard copies of the conference proceedings were released by Mr Kartik Vaidyanathan, CTO, Reelbox. The proceedings were received by the Principal Dr G Chandramohan and Secretary Dr PV Mohanram.

Secretary, Dr P V Mohanram discussed the definitions of Data Engineer and differentiated them with the Data Analysts, who analyze the wealth of information from the data and arrive at some useful insights. He also emphasized the importance of understanding the first principles with good knowledge of statistics and a sound mathematical background, which are pivotal for students interested in Data Analytics and IoT.

He briefed the motto of IIT Kharagpur, which says excellence in action leads to communion with the Reality and excellence in action relies on Equanimity of Mind each one must maintain the same so that the distracting thoughts do not affect. Thus, one can be at peace and face the challenges, which will improve the life of every citizen in the country.

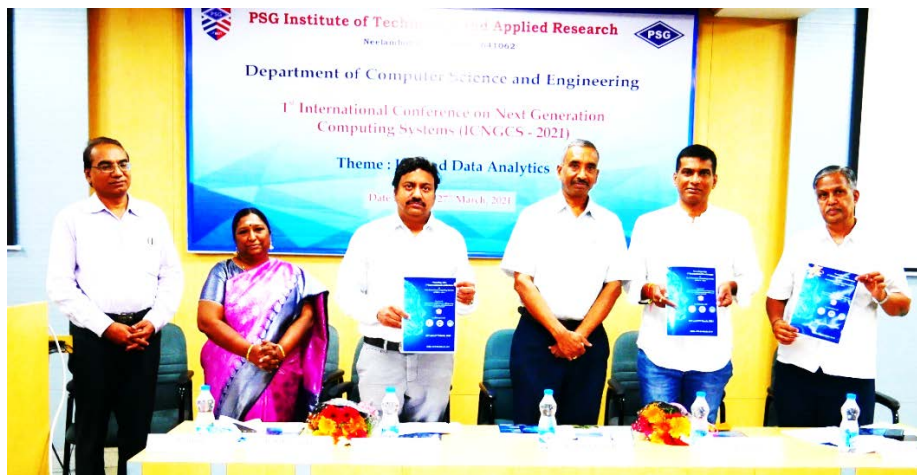
In the inaugural address, Mr Dhiraj Rajaram, Founder, Chairman and CEO of Mu Sigma Inc. emphasized the purpose of data engineering i.e., making sense out of data which will help in making appropriate decisions from time to time. He differentiated the concepts of Data Engineering, Data Science and Decision Science with a live example of minimizing the turnaround time at airlines with a beautiful video clipping.

He quoted that in the future knowing is of less importance and learning is of paramount importance. He also gave an example of a cricket match to highlight the current scenario, the need for all-rounders, the capacity to take risks.

Mr. Dhiraj Rajaram also spoke about dealing with complex systems with empathy. He was particular about asking ‘why not’ type of questions. In reality, the problem space will not be clearly defined and one has to sit down with the client and by repeated questioning with empathy to understand the problem one can define the problem clearly.

He also stated that it took about 12 to 18 months to understand the problem they had in the airline project to reduce the turnaround time of the airline. He concluded saying that Engineers in order to be successful they will have to have a combination of humility, which means to operate from the platform of “not knowing” so that one can know the picture clearly; with a contradictory paradigm which means being “irreverence” to the problem, that gives the confidence to solve any kind of problem.

Finally, Ms Priya Ponnusamy, Conference Convener, thanked the Chief Guest, Guest of Honours, Secretary, Principal, Dean, Heads of the departments, faculty and staff of various other departments, Delegates from different colleges along with the conference chairs and the Press. Around 138 participants participated through the online mode for the Inaugural function. A hard copy of the proceedings containing the complete papers will be published, as a book in a reputed Scopus Indexed Journal.



Release of the conference proceedings by Mr.Kartik Vaidyanathan, CTO, Reelbox on 26.03.2021

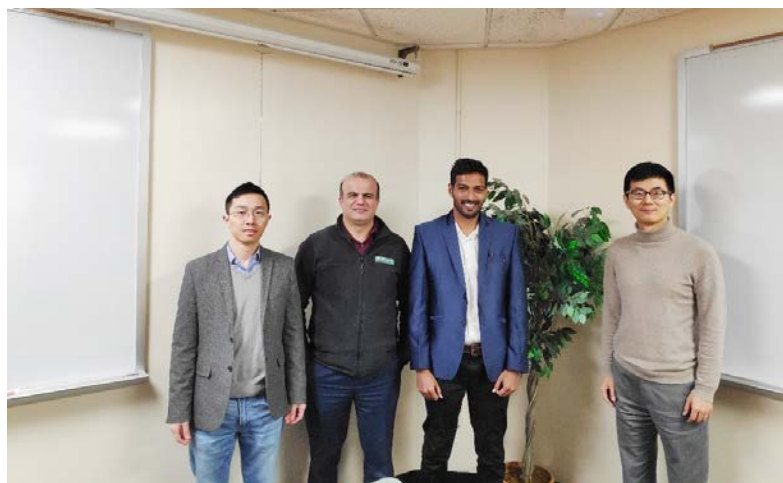
7.Abroad visit

Advanced Manufacturing Course completed by faculty abroad during the period February to June 2020

Mr J Nagarjun, Asst. Prof (Sr.Gr), Dept. of Mechanical Engineering has completed the following Advanced Manufacturing Courses at Binghamton University, Newyork as a Visiting Scholar between 10/02/2020 and 30/06/2020. The faculty attended and completed both off line and on-line classes of the following courses in the Industrial Engineering Department.

1. SSIE 585 Additive Manufacturing Processes and Systems with Professor Jia Deng
2. SSIE 612 Advanced Topics in Integrated Manufacturing with Professor Fuda Ning

Further, the visit provided opportunity to interact with the Binghamton University faculty and learn their teaching learning process of the courses such as Design of Mechanical Elements and Concepts of Engineering Design. The experience of interaction with the faculty helped with the understanding of choice-based credit system and subject evaluations. The visit helped to gain experience working in the state of art Additive Manufacturing Laboratories. The visit further helped to initiate a joint research with Dr Fuda Ning in the area of Ph.D. (Additive manufacturing). With the outline of Research was discussed and finalized, the research commenced but was unable to be completed because of COVID Lockdown in the Binghamton campus. It is planned to complete the research in the PSG iTech campus.



From Left to Right: Dr. Jia Deng, Dr. Mohammed T Khasawneh, Mr. Nagarjun J and Dr. Fuda Ning.

An awareness programme on “GRE and Admissions Abroad - Timelines”

Higher Education Forum (Language) organized an awareness programme on “GRE and Admissions Abroad - Timelines” for students interested in pursuing higher education abroad. The speaker was Mr. Gowtham Sekaran, Manya – The Princeton Review, Coimbatore. The programme was held on 11th March 2021 (Thursday). Mr. Gowtham Sekaran, explained the format of GRE and ways to prepare for the exam. He also provided the training details, duration and cost of training at Manya. Further, Mr. Gowtham also discussed the scope and opportunities for higher education in the US and the process involved in applying to universities. He interacted with the students and clarified their queries. Forty eight students participated in the programme.



Mr. Gowtham Sekaran, Manya – The Princeton Review, Coimbatore addressing students on “GRE and Admissions Abroad - Timelines” on 11th March 2021 organized by Higher Education Forum – Language.

Faculty Award Function

Faculty Awards Function (2019- 2020) was organized on 16th February 2021 to recognize Research Contributions and Achievements made by faculty from 1st July 2019 to 31st December 2020. The management has generously sanctioned a sum of Rs.4,23,536/- (Four Lakhs Twenty Three Thousand Five Hundred and Thirty Six) to encourage the faculty members, who contributed in various fields. The chief guest of the event was Dr R Nadarajan, Professor and Head, Department of Applied Mathematics and Computational Sciences, PSG College of Technology, Coimbatore. The faculty co-ordinators for the event are: Dr E Malar, Professor, Dept. of EEE and Mr. M Jothibas, Asst. Prof (Sr. Gr), Dept. of ECE.



Dr R Nadarajan, Chief Guest, awarding prize cover to Dr. R Ramesh, Professor, Dept. of Mechanical Engineering on 16th February 2021

Academic Performance – Apr-May 2020 Anna University Semester Examinations

BRANCH	I-Year (2019 Batch)			II-Year (2018 Batch)			III-Year (2017 Batch)			IV-Year (2016 Batch)			Branch Wise Pass %
	Appeared	Passed	%	Appeared	Passed	%	Appeared	Passed	%	Appeared	Passed	%	
CIVIL	36	36	100.00	62	62	100.00	64	64	100.00	65	58	89.23	96.92
CSE	60	60	100.00	67	67	100.00	69	69	100.00	67	67	100.00	100.00
EEE	49	49	100.00	65	65	100.00	72	72	100.00	66	66	100.00	100.00
ECE	59	59	100.00	65	65	100.00	70	70	100.00	66	66	100.00	100.00
MECH	57	57	100.00	66	66	100.00	72	72	100.00	69	66	95.65	98.86
PSGITECH	261	261	100.00	325	325	100.00	347	347	100.00	333	323	97.00	
PSGi Tech Overall pass percentage							APPEARED	1266	PASSED	1256	99.21		

8. Alumni activities (Alumni meet, scholarship granted, major achievements/awards by members)

Alumni Interaction

The Association of Civil Engineering (ACE) of PSG iTech organized “Alumni Interaction” for the second, third, and final year students of B.E. Civil Engineering on 06 Dec 2020 from 4 to 5p.m. through Google Meet Platform. Ms K Kavya (2014-18 Batch), Assistant Engineer, PWD, Coimbatore served as the resource person and delivered a talk on “Government Exams Preparation”. Dr. M I Abdul Aleem, Professor and Head, Dept. of Civil Engineering, delivered the welcome address and Mr. P Balakumar, Asst. Professor (Sr.Gr) and Faculty Advisor of ACE introduced the resource person.

During the lecture, Ms. K. Kavya briefed on the following points:

- Preparation Strategy for various government exams conducted by the Central & State Governments
- Syllabus and Question Pattern for TNPSC AE Exams
- Process of Recruitment
- Tips to Score High Marks
- Books to be Referred
- Importance of taking Practice Tests

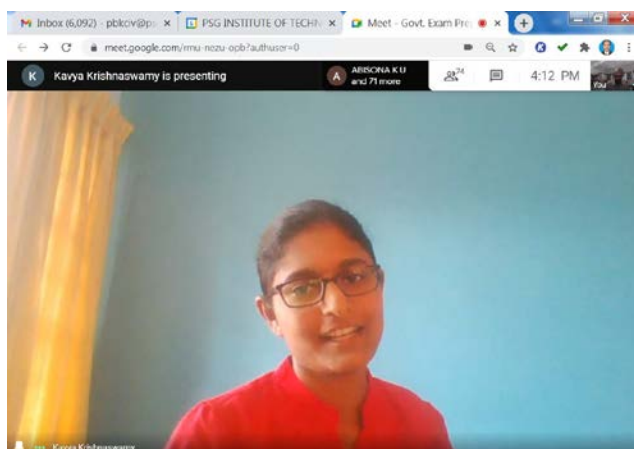
Ms Kavya also shared her experiences during the methods of preparation for interview. Later, students interacted with Ms Kavya and clarified their doubts. Finally, Mr. P Balakumar proposed the vote of thanks. Totally, seventy students participated and benefitted from the talk.

Details of Year-wise Student Participants:

II Year – 27

III Year – 30

IV Year – 13



Ms Kavya K, Assistant Engineer, PWD, Coimbatore interacting with PSG iTech students on 06th December 2020

Award of Merit Scholarship

Academic Scholarships worth Rs.1.75 lakhs weredistributed to three meritorious girl students of PSG iTechin the event held on 29th October 2020:

- Ms.S.Gowthami (III B.E. CSE)
- Ms.S.Kamali (III B.E. ECE)
- Ms.V.Sangeetha (IV B.E. Civil)

Mr Baskaran R Tranquebar, a distinguished alumnus of PSG Tech, had come forward to help the needy students,with a scholarship for the third consecutive year for the students of PSG iTech.

During the scholarship distribution programme, Dr.P.V.Mohanram, Principal, immensely thanked the philanthropic gesture of Mr Baskaran R Tranquebar and his family members. The awardees, at the same time, were advised to utilize the scholarship amount fruitfully for uplifting their academic career, and were requested to reciprocate similar support for the student community in the future. The tireless involvement and unstinted support extended by Dr. J Kanchana, Deputy Director, PSG Institute of Advanced Studies, was gratefully acknowledged and appreciated by the Principal and Vice-Principal. Her instrumental role in organizing the event and distributing the scholarships to the deserving students and at the right time was affirmed.

Dr. G Chandramohan, Vice-Principal, thanked the scrutiny team, for the rigorous process in identifying the deserving students, for receiving scholarship. Importantly, the efforts taken by the faculty coordinators, Dr P Subbaraj, Dean, Electrical Sciences, Dr. D Elangovan, Professor (Mech.), Mr. P Balakumar, Asst. Professor(Civil), all the Heads of the Dept., tutors and office members were acknowledged.



Dr J Kanchana, Deputy Director, PSG IAS, awarding the academic scholarship to Ms.S.Gowthami along with Dr.P.V.Mohanram, Principal, Dr.G.Chandramohan, Vice-Principal, Dr. P Subbaraj, Dean, HoDs and Members of Faculty on 29th Oct 2020

Award of additional Merit Scholarship

Additional Academic Scholarship worth Rs.58,850/- (Partial Financial Assistance Requested for the Academic Year: 2020-2021) was distributed to Mr R.Athul Krishna, II B.E. ECE, PSG iTech on 28th December 2020.



Dr.P.V.Mohanram, Principal, awarding the academic scholarship to Mr R.Athul Krishna, II ECE along with Dr.G.Chandramohan, Vice-Principal, Dr. P Subbaraj, Dean, and Dr D Elangovan, Professor, Mechanical Engg. on 28th December 2020

Second Alumni Meet

The Second Alumni Meet of PSG iTech Alumni Association, Neelambur was held on 27th March 2021. There were 200 Alumnus from 2014-18, 2015-19 and 2016-20 Batches. Mr. Baskar S, Director, T&I Global Ltd., Coimbatore served as the Chief Guest and Mr. Muthukumaran KPM, Chief Executive Officer, KPM Plasto Rubber Co., Coimbatore, served as the Guest of Honor. Dr.B.Ramamoorthy, Academic Advisor, PSG Institutions, Dr V Jeyabalan, Director-Examinations, PSG Institutions, and Dr. M. Arasu, General Secretary, PSG Tech Alumni Association, Dr. P. Subbaraj, Dean- Research (Electrical Sciences), Heads of Departments and faculty members were also present on the occasion. Mr. Navaneetha Krishnan, President, PSG iTech- Alumni Association welcomed the gathering. He thanked the PSG Management for providing the all the required facilities and unstinted support to organize the event to help and interact with the alumni, students and faculty for establish rapport.

Dr G Chandramohan, Principal, in his address, mentioned the contributions made by alumni of both PSG Tech and iTech to the PSG iTech in terms of scholarship, project opportunities, advisory roles, infrastructure development, and honoring faculty. He stated that alumni network is the backbone of every institution and every alumnus is a torch bearer, who spread the message of the institution across the globe. He also entreated the alumni to help the third and final year students for their placements.

Dr. P.V. Mohanram, Secretary, requested Mr. Sathiyathan, Faculty in-charge, PSG iTech Alumni Association and alumni members to identify five core competencies and make students involve in projects to solve industrial problems. For example, Battery design and development for electric vehicle is one such area, where there are lot of opportunities for developing new products. This creates the industry-institute partnership that makes PSG iTech a globally-recognized institution. Also, he appealed the members to conduct a Concept to Product competition, which may be completely mentored by alumni members. He also requested the members to address the pressing societal problems through alumni network.



Second Alumni Meet of PSG iTech Alumni Association held on 27th March 2021.

Chief Guest Mr. S Baskar wished the alumnus and their parents for choosing PSG iTech, one of the premier institutions in India. He encouraged the members to work for the welfare of the association and also to work for the societal problems like water management along with the government bodies in and around the city. He interacted with the Alumni members and discussed their careers and whereabouts. Also, he welcomed PSG iTech Alumni members to be a part of any PSG Tech Alumni Chapter as well. He narrated an interesting story about how a PSG iTech Alumnus joined the Hosur PSG Tech Alumni Chapter.

Mr. KPM. Muthukumar, Guest of Honor, encouraged the alumni members to explore and enhance their entrepreneurship. He suggested that human resource management is an important area where technologies can be used to increase the productivity and turnover of the company. He wished the students and members of alumni of PSG iTech to participate in product development competitions organized by companies that will help them create innovative products. Alumni Members of PSG iTech (2014-18 and 2015-19 batches) handed over the scholarship money of Rs. 2,12,000 (Rupees two lakhs and twelve thousand) to the Principal. Mr. Hariharan K, Vice-President, PSG iTech- Alumni Association, thanked the Guests and PSG Management for their continuous support and encouragement. He thanked the alumni, who contributed for student scholarship.

He also thanked the PSG iTech students' union and member of estate office for their help in organizing the Second Alumni Meet. He thanked the iTech Music Band guided by Ms. Lakshmi Kalpana Roy, Assistant Professor, CSE and Mr. Mahesh, In-charge, PSG Hostel Mess and Supporting Staff for their refreshment and dinner arrangement. Later, the gathering relished in the musical treat given by iTech Music Band at the PSG Convention Centre. Guests, Members of Alumni Association, Parents and Faculties enjoyed their dinner at College Canteen.

Student Awards

Competition	American Concrete Institute
Prize Won	2 nd Place – award among Concrete Projects for students USD \$ 500
Project Title	A Vision towards Green and Sustainable Concrete-Strength Characteristics of M20 and M25 Grades of Concrete
Authors	Mr G Yogabalaji, III Year Civil Engineering Dept. Mr S Elayaraja, Assistant Professor (Sl.Gr)/Civil Engineering
Presentation	The ACI Concrete Convention & Exposition Spring 2021, (29 th March 2021), Baltimore, USA

PSG iTech Student received “GREEN PIN Recognition 2020” from UNESCO

Mr. G. Yogabalaji, a pre-final year student from Civil Engineering Department, PSG Institute of Technology and Applied Research, Neelambur, Coimbatore received the prestigious student level “GREEN PIN Recognition 2020” from UNESCO. He participated in the International conference on “Climate Reality Projects” conducted by UNESCO. Earlier, he created awareness about the climatic changes to the school students in Coimbatore and Madurai. By observing his contributions, Ministry of Human Resources Development, India included him as a member in the “Samadhan” - a challenge to fight against Covid19 and future. Mr.G.Yogabalaji was the only student representative from India and he delivered a lecture regarding the implications of Global Warming and Climatic Changes in the above conference. Notably, he was conferred the Green Pin Recognition 2020 for his commendable presentation in the above conference from the former Vice President of America Mr.AIGore.



GREEN PIN Recognition 2020 awarded to Mr.G.Yogabalaji, III BE Civil Engg., PSG iTech

Mr.G.Yogabalaji creating awareness about the climatic changes to the school students in Madurai, as a part of his initiatives

Participation in National Level Event



Mr. Kishore Venkatesh, a student of Second Year B.E. CSE (PSG iTech), participated in the national-level events held on 28th Oct 2020 organized by the School Games Federation of India (SGFI) and secured the silver medal in Speed Skating Rink IV (500 Meters) and bronze medal in Road III (3000 Meters). As a token of appreciation, the sports development authority of India and the state government of Tamilnadu awarded a cheque of Rs.2,50,000. Chief Minister of Tamil Nadu Thiru Edappadi K Palaniswamy had given away the awards and cheque in the function held at the Secretariat.

PSG iTech Student Mr. Kishore Venkatesh is seen with the cheque awarded by the CM for his outstanding performance in the sports event organized by SGFI held on 28th Oct 2020

International Mars Hackathon 2020

Team Aurora of PSG iTech bagged the 6th Position along with Inferno DTU, Delhi Technical University, Delhi in the 48-hour International Mars Hackathon 2020 held during 3st Oct 2020 and 1st Nov 2020. Knowledge and ideas on the Mars environment, Rover Design, Rover working etc. were tested intensely during the contest.

Around thirty-five teams across the world participated in the competition. Teams from Singapore, Turkey, Poland, Bangladesh, Sri Lanka and India participated in the competition. Prominent teams from India are IIT-Madras, VIT, SRM, BITS Pilani etc. The Mars Society South Asia (MSSA) organized the event.

The following is the list of top 15 achievers of the competition:

Rank	Team	University	Location
1	AGH Space systems	AGH University of Science & Technology	Poland
2	ITU Rover Team	Instanbul Technical University	Turkey
3	Mars Rover Manipal	Manipal Academy of Higher Education	Manipal, India
4	Taprobane 2.0	SEDS	Srilanka
5	Rudra SRM	SRM University	Chennai, India
6	Team Aurora	PSG Institute of Technology and Applied Research	Coimbatore, India
6	Inferno DTU	Delhi Technical University	Delhi, India
8	Team Rover X	VIT University	Vellore, India
8	DJI Antarkish	Sanghvi college of Engineering	Mumbai, India
8	Team Ekyam	Shiva Nadar University	Greater Noida, India
11	NUS SEDS	National University of Singapore	Singapore
12	Team Anveshak	IIT Madras	Chennai, India
13	Project Kratos	BITS Goa	Goa, India
14	Team ASEB	Amrita School of Engineering	Bangalore, India
15	Ares Robotics	Netaji Subhas University of Technology	Delhi, India



The Top 16 Teams as published by the Mars Society South Asia

Faculty Mentor: Mr Nagarjun J, Dept. of Mech. Engineering.

Bicycle Design Challenge – 2020

Team Velocita Racing of PSG iTech bagged the first place with a cash prize of Rs.10, 000 in the Bicycle Design Challenge (BCDC) – 2020 organized by SAE India Southern Section. Six girl students from second and third year B.E. Mechanical Engineering participated for the first time under the guidance of Mr. Senthilvel, Asst. Prof, Dept. of Mech and accomplished this feat. Students from around 60 colleges across Tamilnadu, Kerala, Andhra Pradesh, and Mysore participated in teams of 7. The event began with workshops for the participants, where the rulebook was explained and guidelines were given. The objective, the general design requirements for the frame, brakes, transmission and suspension were elucidated. Four Design reports were asked to be submitted where each report had certain criteria and points pertaining to it. Finally, reports were evaluated and graded by the engineers of TI Cycles of India.



Students of B.E., Mechanical Engineering participated and won prizes in Bicycle Design Challenge – 2020

Award won by Rotaract club:

Project Title	Each One, Plant One
Award	Dream award for the month of April



Award won by Rotaract club for the project “Each one plant one”

Award to PSG iTech faculty

Dr M Devasena, Associate Professor, Dept. of Civil Engg received an award titled “Women Researcher of the year” by Humcen Awards.



Humcen Award to Dr M Devasena, Associate Professor, Dept. of Civil Engg

9. Sports and other achievements

(i) AU Zone 9

Academic Year	Participation	Position
2020-21	Badminton (Women)	3 rd Place
	Chess (Men)	1 st Place
	Chess (Women)	1 st Place



Students got III place in Anna University Zone IX Tournament – Badminton held on 24th Feb 2021



PSG iTech students got I Place in Anna University Zone IX Tournament – Chess (Women) held on 15th Feb 2021



PSG iTech students got I Place in Anna University Zone IX Tournament – Chess (Men) held on 15th Feb 2021

Achievements in Squash: Gold Medal



Ms. Snehal Jain (I CSE) has secured gold medal in SGFI National Games, Team event U-17 category at Chandigarh on 29th Sep 2019 to 02nd Oct 2019 and Received CM fund of Rs. 2 lakhs, from Salem Collector, Thiru SA Raman. Yet to receive CM fund for, 2019-2020 SGFI National Games, Team event-Silver, Individual Event - Silver, U-19 Category, Gurugram.

Achievements in Rollar Skating: First place



Mr. S. Kishore Venkatesh (II CSE) has participated and secured GOLD and BRONZE medal and Certificate in 30th Tamil Nadu State Roller Skating Championship conducted by TNRSA (Tamil Nadu Roller Skating Association) held from 20th to 27th February 2021 at Coimbatore.

10. Online courses completed by faculty and students

(i) Online courses completed by faculty members during the academic year 2020-21 are as follows:

Description	No. of faculty	No. of courses
Coursera	85	548
NPTEL	59	111
NITTTR	28	129

(ii) Online courses completed by students during the academic year 2020-21 are as follows:

Description	No. of students	No. of courses
Coursera	190	248
NPTEL	559	1892

11.Other Information

No. of Students in campus	1243
No. of Faculty + Staff	93+72 (165)
Faculty with Ph.D	50
Faculty pursuing Ph.D	37
The h-index score for the year 2021	15 (as on date)
Sponsored Projects Sanctioned (in Rs.) for the year 20-2021	1,62,24,147/-
No. of FDPs/Workshops/ Seminars/Guest Lectures attended by faculty (including online programmes)	592
No. of Guest Lectures delivered by faculty	33
No. of Books & Chapters published by faculty	10
No. of Industrial Visits arranged	4 (Online)
No. of International/National Conferences attended	12
No. of online courses completed by faculty	788
No. of supporting staff deputed for higher studies	2
Total no. of Clubs & Associations	34
Programs offered (all levels)	<u>5 Courses</u> BE-Civil Engineering BE-Computer Science and Engineering BE-Electrical and Electronics Engineering BE-Electronics and Communication Engineering BE-Mechanical Engineering