

PSG Institute of Technology and Applied Research

Quarterly Report (July to September 2022)

Events Organized:

Faculty Induction Programme

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

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

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

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



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

Faculty Awards Function

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



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

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

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

Independence Day Celebrations

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

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

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

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



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

Parents Meet 2022

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



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

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



Feedback Session during the Parents Meeting

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

Ooty Trip – 2022

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



Trip to Ooty on 3rd Sep 2022

Gift by Management

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



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

Covid-19 Vaccination Drive

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

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



Covid-19 Vaccination Drive held on 13th Sep 2022

Teachers Day Celebration - 2022

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



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

PSG Vaanavil Programme

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



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

Music Programme for Army Veterans

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



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

Guest Lecture on “Why is my paper not getting accepted?”

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



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

Students’ Union Activities Inauguration

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



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

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

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

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

Onam celebrations

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



Onam celebrations

World First Aid Day

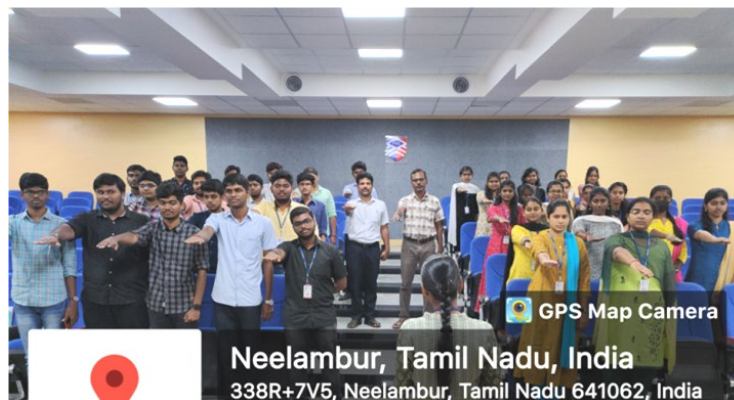
More than 5,000 school and college students in Coimbatore District set a world record on 10th September 2022, by demonstrating basic life support methods and recovery positions during critical conditions on the occasion of the World First Aid Day. This program was organized jointly by the district administration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



PSGiTech NSS volunteers perform the basic life support aid

Social Justice Day

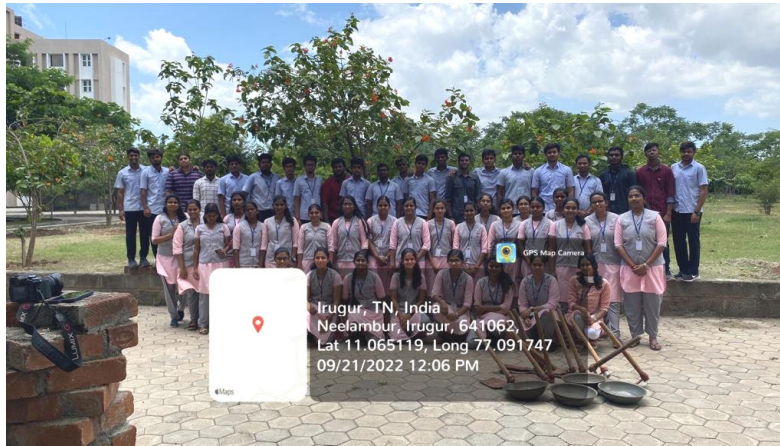
NSS Programme Officer, Dr P Chinnaraj, Dr D Thangaraju and NSS volunteers of PSG iTech have gathered together on the special occasion of Social Justice Day on 17th Sep 2022 and administered the “Social Justice Day” Pledge. More than 50 NSS Volunteers have participated in the event.



PSGiTech took pledge on “Samooga Neethi Nal” on 17th Sep 2022

Campus Cleaning

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



Campus Cleaning Program

Six Day FDTP on CS 8091 – Big Data Analytics

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

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

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

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

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

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



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

iTech Hackfest 2022 – National Level Hackathon

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

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

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

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

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

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



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



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

Smart India Hackathon 2022

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

First Place Winners

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



Team: Maverickkz- Students from II BE CSE



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

Two Days Faculty Development Program on “Cyber Security and Digital Forensics”

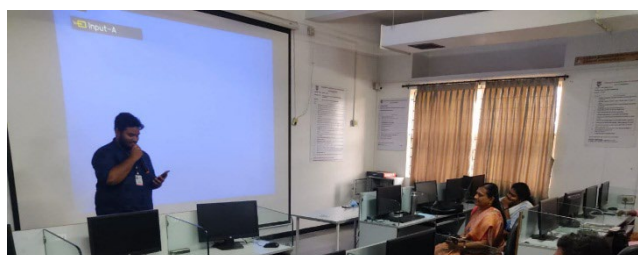
A Two-day Faculty Development Program on “Cyber Security and Digital Forensics” was organized on 01st and 02nd Sep 2022 by the Computer Society of India, PSGiTech in association with CSI Coimbatore Chapter. Mr. Maharaj M, Director, M/s Josh Technologies FZE, United Arab Emirates, Block chain & Cyber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



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

Value Added Course on “Machine Learning and Predictive Data Analytics”

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



VAC on “Machine Learning and Predictive Data Analytics” held on 05th Sep 22

Webinar on “Scope and Role of GATE for Engineers”

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

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



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

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

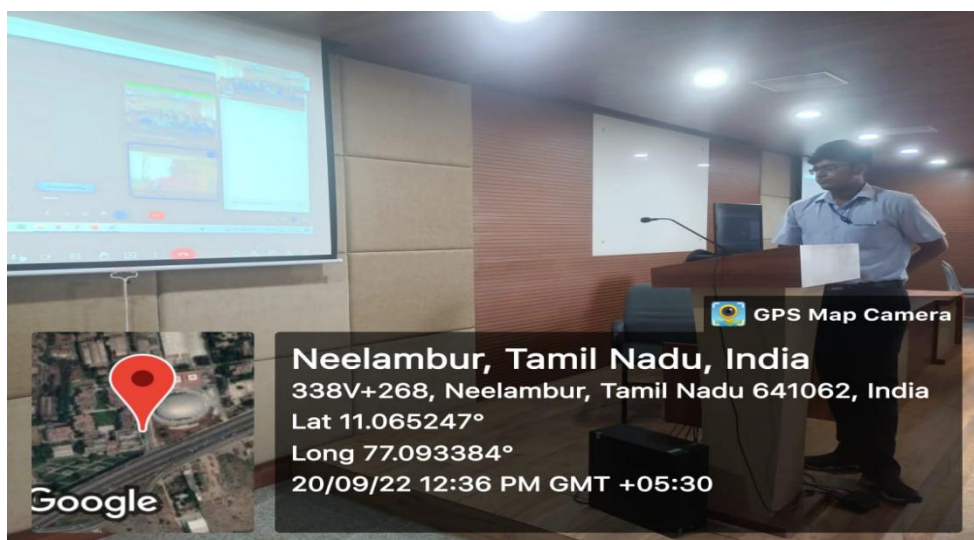
The Department of Computer Science and Engineering organized a talk on “How to set off for higher studies and placement preparation?” on 28th September, 2022 for II and III Year CSE students. The resource person was Mr. K. Hariharan (Alumni 2015-19 Batch), who is pursuing MBA (International Business)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



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

Online Workshop on “Machine Learning using Python”

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



Mr. Praveen Kumar of Second Year CSE answered the queries raised by the resource person, Mr Arunjit Chowdhury, CEO

International Seminar on “Robotics and Automation”

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



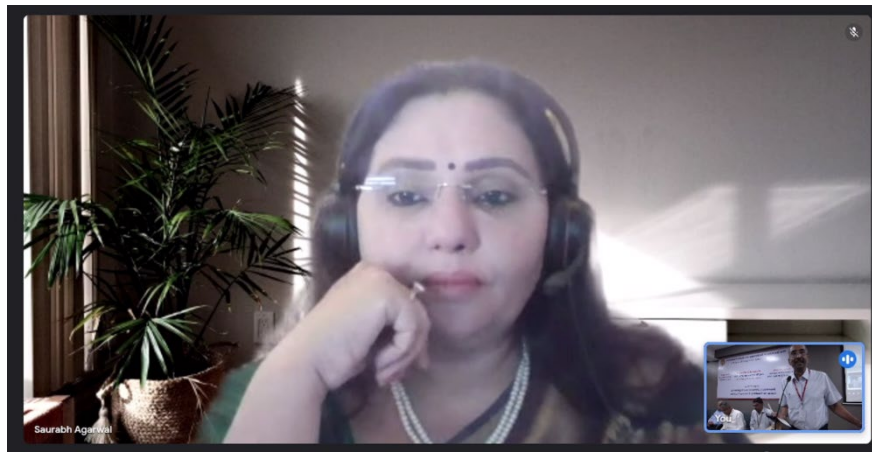
Seminar on “Robotics and Automation for Industry 4.0” by Dr. Stanislaw Krenich

Two Weeks ATAL FDP

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

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

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



Photograph with Professor. Dr. Mamta Rani Agarwal



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

“Survey Camp 2022”

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

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

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

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

3. Offset of Buildings

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

5. Traversing using GPS

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



Survey Camp - 2022

Launch Ceremony of Google Developer Student Club

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



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

Arduino Mini Project Contest 2022

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

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

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

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

Prize winners List:

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



Students explaining their projects during Project Expo

Guest Lecture on Electric Vehicles – Challenges in Indian Scenario

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

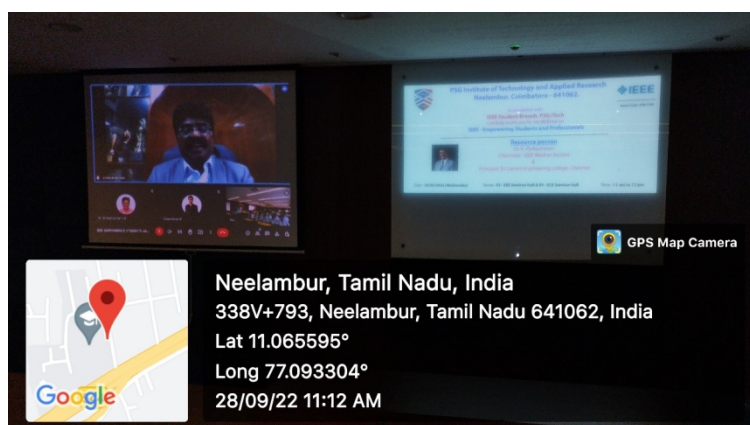


Presenting Memento to Mr Mhanoj C M, Assistant Manager-Supply Quality Assurance Bajaj Auto Limited, Aurangabad and alumnus of 2015-2019 batch, B.E. Mechanical Engineering

One-day webinar on “IEEE-Empowering Students and Professionals”

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

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



Webinar on IEEE-Empowering Students and Professionals

Inaugural function of Association of Civil Engineering

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

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

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



The Inauguration of Association of Civil Engineering was held on 05.09.2022

Inauguration of CSE Association

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

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



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

Inaugural function of EEE Association

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

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



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

Inauguration of ECE Association

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

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

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



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