



PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

Neelambur, Coimbatore - 641 062

QUARTERLY REPORT

(July 2017 To September 2017)

Events Organized:

ADVAYA-17:

The intra Collegiate Cultural fest “Advaya 17” was organized in the college premises on 8th and 9th September 2017. The first day of the event commenced around 5:00 pm with the thundering music “Parai Isai” by our students. Our Managing Trustee L.Gopalakrishnan admired the talents of the students.



“Parai Isai” performance by PSGiTech Students

The function was presided over by Dr.P.V.Mohanram Principal, PSGiTECH. In his presidential address, he congratulated the students for their active participation and also for exhibiting talents in the events. He also appreciated Dr.S.Aramuthakannan, cultural coordinator and Dr.P.Manojkumar, Dean Students Union for their efforts in organizing this mega event.

The chief guest of this event Mr.K.R.Pandian, CEO Sharp Tools recollected his college days in PSG College of Technology, Coimbatore. He praised the role of faculty members in his career development. He happily expressed that he was the cultural coordinator during his college

tenure. He insisted that Cultural event is a platform for budding engineers to participate in a variety of competitions.

After the chief guest address, the classical dance lead by Prathusha R II Year B.E CSE attracted the audience. The discussion about Indian culture, heritage and arts provided useful information to the students. Music performance by Saisrikrishna II Year B.E CSE mesmerized the spectators. “iVision” led by Jayeeta III B.E.ECE had a discussion on cultural integrity, cosmic power, love when



“Tribute to Indian Army”- Dance Club

science met God and brotherhood. A dance performance led by Abisheik J III B.E. Mechanical was a tribute to the Indian Army. Final event of the day was a drama by NSS Team led by Yogesh T of III B.E CSE about the importance of agriculture which brought tears in the eyes of the viewers.

Vice Principal, Dr.G.Chandramohan, proposed the vote of thanks in the evening. He appreciated the student participants and student volunteers in the effective organization of ADVAYA 17. He also thanked the Heads of departments for their laudable support to the cultural event. He specially thanked Cultural Co-ordinator, Dr.S.Aramuthakannan and NSS coordinators, Mr.P.Chinnaraj AP/Maths and Ms.Vilasini AP/CSE.

The joy and the spirit from the events on the eve of Advaya 17 was carried into the next day with the best curtain up with Adapt-tune competition. The participants came with extraordinary talents. The English debate was chaired by Dr.K.Pramila HOD/English on the topic *Artificial Intelligence* and Dr.K.Muthukumar ASP/CSE was the judge for “Sor por” (Tamil Debate).



Discussion about Indian Culture and Tradition

Dr.S.Aramuthakannan, ASP/Maths, conducted the “Kaatrinile varum Geetham” (Tamil Pattukku Pattu) event. Oru Sol Oru Vaarthai, event was conducted by R.K.Abisek of III CSE Treasure

hunt, Solo and Group dance, Mime show, Solo singing, virtual stock market by entrepreneur club were held at different venues simultaneously. There were more than 500 participants registered for all the above events in the preliminary and final phases. Results were announced soon after the events and prizes were distributed.

The Heads of the Departments and faculty members were the judges for the above mentioned events. The encouragement and support rendered by the faculty members was immense. PSGiTECH music band led by Senthil Kumar IV B.E CSE and Aravindhan IV B.E Mechanical entertained the audience with their splendid show in the evening. The traditional dances namely Parai, Kummi, Oyilattam, Silambattam were performed by the NSS team coordinated by Ms.V.Vilasini AP/CSE, Mr.P.Chinnaraj AP/Maths and S.Karthik IV B.E Civil. Group dance and solo dance events captivated the mind of the audience. Dances were set to tunes of popular film songs as well as classical songs. A music album “Nila Kandathum” composed by our student Aravindhan R Final Year Mech was screened at the end of the show. “The competitions helped foster friendly relations between students of different branches” remarked a faculty member. “It was great to see the tremendous response of students. Faculty members also actively participated in the cultural Fest.

The programme was organized and coordinated by Kiruthik Baalaji C V, Chairman, Students Union and his team.

Independence Day:

On our country’s 71st independence day, the peaceful campus of PSG iTech was filled with patriotism. The honorable chief guest Dr. P. C. Angelo, Former Professor (Metallurgical Engg. Dept.), PSG college of Technology was welcomed by the Principal, Dr. P.V. Mohanram and Vice Principal, Dr. G. Chandramohan, accompanied by the members of the students union with due respect and honour. This event was organized by the Students Union, led by the Chairman- Mr. C.V. Kiruthik



Dr P C Angelo, Chief Guest delivering the Independence Day Address

Baalaji(IV Civil), Secretaries-Mr. S. Abbas Theen (III ECE), Ms.G. Jayasree (III ECE) and Executive Members- Mr. A. Uma Sundar (II Mech), Ms. B. Thanurekha (II EEE), Mr. R. Christie Jerin Kumar (II CSE). The event began with the hoisting of tricolour flag by the chief guest, followed by the National Anthem. The Principal of PSGiTech, Dr. P.V. Mohanram delivered an interesting speech that instilled patriotism and love for our nation in the hearts of all the students. The exalting speech delivered by the chief guest added to inflating the flame of patriotism in everyone's heart. The gathering was fascinated by the eternal and traditional dance performance by Ms. S.R. Anujaa, Ms. K. Aparna, Ms. R. Prathusha and Ms. R. Yashwantra.

The second session of the PSG iTech's Independence day celebration began with blissful songs by Ms. G. Jayasree (III ECE), Ms. J. Jayeeta (III ECE), Mr. A. Barath Narayanan (I EEE) and Mr. S. Sai Krishna (II CSE) which provoked patriotism in the hearts of everyone. Mr. S. Abbas Theen (III ECE), Mr. A. Uma Sundhar (II Mech) and Mr. B. Darshan(I ECE) gave an alluring speech, expressing their views on the aspects of constituents of the tricolour flag. The next event was filled with emotions of patriotism as Mr. B. Darshan and Mr. C.V. Kiruthik Baalaji came out with their poems on Independence and non- violence.



Ms S R Anujaa, Ms K Aparna, Ms R Prathusha and Ms R Yashwantra fascinated by the eternal and traditional dance performance

Ms. R. Medha (III EEE) was applauded for her colourful and creative rangoli work, without which the ambience of the event would have been incomplete.

The celebrations were concluded with the vote of thanks delivered by Dr. S. Jayakumar (HOD - Dept. of physics). He also appreciated the students for their unity and efforts in organizing the program. The gathering departed with the feeling of patriotism integrated within their souls.

Pre-stressed Concrete Elements:

The one day workshop on Pre-stressed Concrete Elements was held on 29th July 2017 with a welcome address by Dr.P.V.Mohanram, Principal. Dr.M.I.Abdul Aleem, Professor & Head (Civil Engineering) introduced the key note speakers. The chief guest of the programme was Mr.K.K.Kamalakaran, Managing Director, Utracon Structural Systems. The session went on with the core concept of Pre-stressing with the basic concept along with international norms and standards of Pre-stressing concrete elements. Mr.R.Mahendran, Director-Business Development & Technical Support, Utracon Structural Systems presented the various projects including problem faced in each project provided with various solutions.



**Welcome address by
Dr.P.V.Mohanram, Principal, for the
workshop on Pre-stressed Concrete
Elements held on 29th July 2017**

Funding opportunities and Career Guidance:

Dr.Nagesh R Iyer, Former Director, Structural Engineering Research Centre, Chennai, addressed the Civil Engineering faculty members of PSG iTech on 21st July 2017, regarding the funding opportunities in DST and allied funding departments. During his speech, he explained the numerous schemes available in funding agencies and the potential area where funding will be sanctioned. Faculty members proposed various research titles and their preliminary works to him and a one-to-one discussion was made to clarify doubts and to eliminate common mistakes in proposals. Prof Dr.M.I.Abdul Aleem and Prof.S.Elayaraja proposed a project on “Smart Drainage System for Coimbatore city”.

Shifting and Lifting of Existing building:

Dr.K.Divakar, Professor, Department of Civil Engineering, CIT, Coimbatore has delivered a guest lecture on “Shifting and Lifting of Existing building” on 12th August 2017. Dr.K.Divakar has lifted his old existing building near Saibaba Colony during 2009 as it was existing below road level due to rise of road level by corporation. For this, he has adopted latest technology of segregating the building from existing foundation and raising the structure to required level. It is a new technology which requires skilled people to execute. He hired people from North India and executed the

project. Over a period of three months, he completed the project of segregating the structure. Later, new brick wall was raised on the existing foundation to fill the gap due to rise of structure. He explained it clearly and showed the complete process via video. Students have appreciated the work. The project was a successful one and later he renovated the structure into latest one and living over there.

Higher education and research opportunities in UK & Structural monitoring techniques:

Prof Dr.Muhammed Basheer, Chair – Structural Division, University of LEEDS, UK addressed the students of Civil engineering on Advancements in Structural monitoring techniques on 28th August 2017. He had presented the latest technology in identifying the corrosion limit in Reinforced concrete, sulphate attack on structures in marine environment. It was an interesting presentation which ignited the thought of students on innovating advance equipments for structural monitoring. Later, he explained the higher education and research opportunities at UK. Students were interested and raised a few questions on MS programmes at UK.

Later a discussion session was arranged with faculty members of Civil Engineering and Field Engineers around Coimbatore. It went on a way that field engineers discussed few problems arising at the field and discussed with Prof.Muhammed Basheer to the ways and means to eliminate it. Finally, the Professor and UK education counselor were taken to the laboratories of Civil Engineering Department and PSG COE INDUTECH to show advanced machinery and research facility available.

Guest Lecture on“Design in Nature and Engineering”:

The Mechanical Engineering Association organized a guest lecture on Design in Nature and Engineering on 24th August 2017 at E3 Seminar Hall, PSG Institute of Technology and Applied Research, Neelambur, Coimbatore.

The Session started with the welcome address by Mr Nagarajan, III Year, Mechanical Engineering. He welcomed the chief guest and introduced the office bearers of Mechanical Engineering Association.

Then he briefed the activities to be carried out during the academic year 2017-18. Mr Vijay Jayaram, final year mechanical engineering introduced the chief guest. Then Dr Balaji, Professor, IIT Madras gave the guest lecture.



Dr Balaji, Professor, IIT Madras delivering the guest lecture to Mechanical Engineering students

The better we understand the functioning of insect wings, the more subtle and beautiful their designs appear. Structures are traditionally designed to deform as little as possible; mechanisms are designed to move component parts in predictable ways. Insect wings combine both in one, using components with a wide range of elastic properties, elegantly assembled to allow appropriate deformations in response to appropriate forces and to make the best possible use of the air. They have few if any technological parallels. On the other hand, there is not a single fossil evidence for the imaginary evolution of insects.

Mr. Ganesh Prabhu, III Year Mechanical Engineering, delivered the vote of thanks.

Guest lecture on India Innovation Challenge:

As a part of the ECE Association Activity, a talk was delivered by Mr.V.S.Ramesh of Texas Instruments (TI) India university program on 26th July 2017. Mr.Ramesh enlightened the students of second and third year about the TI India Innovation Challenge 2017. This design contest is the joint collaboration of the Department of Science and Technology, Government of India and Texas



Talk delivered by Mr.V.S.Ramesh of Texas Instruments (TI) India university programme on 26th July 2017

Instruments. It is anchored by NSRCEL, IIM Bangalore and supported by Government. Mr.Ramesh explained about the various selection rounds of this design contest and the various funds that will be provided by Texas Instruments to help the students to complete their projects in Technical aspects. Mr.Ramesh encouraged all students to register for this contest,

and motivated them to design projects which could be converted into products for the betterment of the society. He also explained about drishti online contest, which will be conducted in every month in our campus.

Guest lecture on Gateway to Career Opportunities:

The 27th August 2017 turned out to be an indelible day to the students of ECE at PSG Institute of Technology and Applied Research. This added a meaning to the yet another remarkable day, being Dr.A.P.J.Abdulkalam's Second death anniversary. The session began with a minute silence to respect the demise of the great soul.

Mr.Naresh, Scientist at Indian Space Research Organization, Bangalore addressed the students to share his domain experience with them. The students were glued to listen to his talk that gave them an idea

to take up their future career. Mr.Naresh spoke on the various ways to enter into Public Sector Units like the ISRO, DRDO, Baba Atomic Research Centre (BARC) and other reputed firms. He stressed the importance to take up examinations like GATE which remains a pathway to enter prestigious institutions like the Indian Institute of Technology, also other well recognized National institutions. Time management is a very crucial thing in a student's life. He added notable ways by which a student could use his time more effectively and shape his career in a more efficient way. Mr.Naresh also insisted on broadening one's skill in every engineering domain. The session ended with a vote of thanks delivered by professor, Dr.P.Vetrivelan of ECE department. The students took away a vision of hope that gave them some confidence to pave their future!



Talk delivered by Mr.Naresh, Scientist,
Indian Space Research Organization,
Bangalore

Internet of Things in Industries:

ECE Association organized a guest lecture on Internet of things in Industries on 16th August 2017. Mr.Ravichandran, General Manager from Lakshmi Electrical Control Systems delivered the lecture. This guest lecture focused on basics of IoT, IoT Products and opportunity in this field in market. He listed out the current product developments in IoT field and provided an overview of

IoT with many examples. Some examples are Hapifork (electronicfork) that helps to monitor and track eating habits, Smart Egg Tray that tells how many eggs are at home and when they're going bad, Hydroponic System which is a fully automated hydroponic system that attends to all of our plants' needs, water them, feed them and make sure they have optimal growing conditions and many more innovative examples. He stated that, Limitation for development of products in IoT field is only the imagination. So he encouraged all the students to develop innovative projects in this field and motivated them to develop products for the betterment of the society.

ECE Association Inauguration:

Electronics and Communication Engineering Association (ECA) inaugural function was held on 18th August 2017. Dr.R.Jayapal, Former Additional General Manager, BHEL, Trichy was the chief guest. The inaugural function was initiated with a prayer song. Welcome address was given by Ms.S.Sujanya, IV year, Secretary/ ECA, followed by installation of office bearers by Dr.P.Vetrivelan, Associate Professor of ECE. Then, introduction of the chief guest was given by Join Secretary, Mr.Ridhuparan, II year / ECA. The chief guest addressed the gathering and delivered inaugural address. His main motive was to invoke the students to innovate new things. He also told a small story on the development of Facebook by Mark Zuckerberg. The final touch was given by Ms.N.Saranya, II year, by narrating a wonderful Tamil poem.

Big Data Analytics:

A two day workshop on "Big data analytics" was organized by the department of ECE on 25th August 2017 & 26th August 2017 at Computer Center lab. The resource persons for the program were Mr.Prabhakaran (End-to-End Management, Tata Consultancy Service (TCS)), Mr.Arun (Technical Manager – Big Data Analytics, Infosys), Mr.Prashanth (Data Science Engineer, Tech Mahindra) and Mr.Senthil (Associate Software Engineer, CTS). Fifty five students from all classes of ECE attended the workshop.

Day 1

The program was started with prayer song by Ms.G.Jaishree and team. Dr.E.Malar (HoD/ECE) welcomed experts and all participants and then session was handed over to the expert team. Introduction to the field of Big data analytics, cloud computing and analysis of three parameters namely Volume, Variety and Velocity (3 V's) which gives big data analytics was covered in the

morning session. The basics of LINUX environment was made familiar through hands on training in the afternoon session.

Day 2

The forenoon session started with Hadoop Tool that is used to handle Big Data. Important concepts of Hadoop environment like HIVE (Query Language), FLUME (distributed, reliable, and available service for large data), YARN (Yet Another Resource Negotiator) were taught with hands on practice. The entire class was divided into four networks (cluster) and the hands on session proceeded to demonstrate Big data analytics. Then the software Fedora used in LINUX and a putty was generated on windows to work on. After making the tool familiarized, “Sentimental analysis on SARAHAH” was carried out by collecting Tweets from the Twitter platform using the keyword ‘SARAHAH’. The area that had more tweets about Sarahah was spotted out and was regarded as the “Hotspot”. Thus the practical hands on sentimental analysis on a social media opened the book of curiosity in the students’ minds and inculcated the basics of Networking and Data Analytics.

Team Work for Preparations:

A Special lecture on **Team Work for Preparations** was conducted for the II BE CSE students on 8.8.2017. In his lecture, Mr. Saravana Prabhu, SQC Lead, KLA Tencor Software India Pvt. Ltd. Chennai, asked the participants to identify their dream company. He projected a glimpse of video from the film “English Vinglish” to show how continuous preparation leads a person to achieve the goal in life. Only those who are good team players will be the first choice of any company. To practice team building, Mr. Prabhu asked the students to work on a project as team by identifying simple problems other than what they experiment in the lab.



**Mr. Saravana Prabhu, SQC Lead,
KLA Tencor addressing the
students**



**Mr. Rajasekar, Software Development
Manager, Amazon Development Centre
interacting with the students**

Mr. Rajasekar, Software Development Manager, Amazon Development Centre, Chennai delivered a lecture on **Facing Technical Interview** for the III BE CSE students. He pointed out on the role of Placement Representative (PR). His motivational speech included some significant details like: placement

preparation on daily basis for one full year, all 365 days; training on both technical and aptitude; dividing the students into teams as per the area of interest (Networking, Operating System, DBMS, Data Structures, Programming skill, Computer Architecture, etc.); PR to not only monitor the preparation activities but also to motivate and guide the students to fulfill the industrial need and keep on updating the placement activities among their group.

Mr. Sathya Narayana, Technology Specialist, KLA Tencor delivered a lecture on Trends in Digital Manufacturing Industry to the III BE CSE students on 8.8.2017. He focused on the major role on integrating IoT with digital manufacturing for the fastest and easiest way to transform any concept into reality.

Mr. Karthik, Senior Data Scientist and Mr. Abhishek Singh, Data Scientist, Probyto, A Data Science Company in their speech revealed that the entire future lies on Data Analytics, especially for e-governance on 9.8.2017 for the III BE CSE students. They also disclosed the importance of data science in the fields of Machine Learning, Artificial intelligence and other upcoming areas also.

On the day 23rd August, 2017 Mr. Rajesh Nambiar, Program manager at Salesforce Trailhead enlightened the students of 2nd year and 3rd year BE CSE students on the Trailhead Learning platform. He elaborated on what is Salesforce Trailhead and how to get a career in Salesforce. His lecture extended on the need of innovative thinking to be a part of Salesforce and Customer Relationship Management (CRM).

A hands on training was given about the Salesforce and an online test was also conducted on the same day to test the understanding of students regarding Salesforce trailhead.

CISCO Network Academy inauguration:

The inauguration of the Cisco Networking Academy was held on 17-8-2017.

Cisco Networking Academy identifies and develops the skills people and businesses need to thrive in a digital economy. It provides an exclusive online learning platform



Mr. M. Sreevalsan, Head, Cisco Regional Academy Support Centre (South Zone) inaugurating the Cisco Networking Academy.

supports active and engaged learning, career development, and collaboration. It provides a global network of 500+ Academy Support Centres (ASCs) and Instructor Training Centres (ITCs) guide local academies to success.



**Shri. L. Gopalakrishnan, Managing Trustee
launching the Cisco Server**

The duration of CCNA certification course is two semesters. Students from second and third year have enrolled in the certification program.

Computer Science and Engineering Association Inauguration:

The Computer Science and Engineering Association was inaugurated on 17th August 2017 at PSG Institute of Technology and Applied Research, Neelambur, Coimbatore.



**Ms. K. A. Rashmi, III BE CSE , President, CSEA
welcoming the gathering during Association Inaugural**

Mr. M. Sreevalsan, Head, Cisco Regional Academy Support Centre (South Zone) presided over the inauguration. Dr.T.Hamsapriya, Head of the CSE Department welcomed the gathering and inaugurated the association by introducing the Office bearers of the CSE Department association.

Mr. Sreevalsan , addressed the students and presented a seminar on Internet of Everything . He also gave an insight to the Cisco Packet Tracer tool and its applications on IoT. The session was very interactive and the Department of CSE students had a thorough perspective on Internet of Everything and their current real world applications.

The inauguration ended with the prize distribution for the winners of the Coding Competition conducted by CSE Coding club.

Guest Lecture on “Electric Drives”:

A guest lecture on the topic “Electric Drives” was organized by EEE association on 24th August 2017 by Mr. R. Muralidharan, Manager - Engineering services, ITC, Paperboards and Specialty Papers Division, Mettupalayam.



Guest Lecture on “Electric Drives” for II and III year EEE students organized by EEEA

The points discussed were as follows:

- Basic introduction of electric drives
- Explanation about semiconductor devices and switching characteristics
- Speed control of electric motor
- Working of Variable Frequency Drive (VFD)
- Synchronization of electric motors
- Application of VFD in paper industries

The chief guest explained the concept of synchronization of electric motors in a simpler way with demonstrations. Students were organized into two teams and a quiz was conducted. The session was interactive and helped students in understanding VFD and its applications better.

Guest Lecture on “Industrial Automation”:

A guest lecture on the topic “Industrial Automation” was organized by EEE association on 14th September 2017 by Mr. R. Madhusoothanan, Director - Dynatronix India Private Limited. The speaker quoted many examples from his industry experience to reinforce that the understanding of basic engineering concepts is very important.



Guest Lecture on “Industrial Automation” for II and III year EEE students organized by EEEA

The major points discussed in the lecture were:

- Introduction to industrial automation and its necessity
- Structure of industrial automation

- Types of industrial automation such as fixed, programmable, flexible and integrated automation.
- Automation equipment such as sensors and actuators, HMI, F system, H system, DCS, SCADA, RFID systems.
- Communication protocols such as Profibus, CAN, etc
- Production Line Management (PLM)
- Software used in PLM
- Digitalization of industrial automation.
- Scope of EEE engineers in core companies and consultancy companies.

Ergonomics – The Right Posture While Performing Various Tasks:

As a part of Wellness Centre activity, Dr.V.Ramamoorthy, Prof & Head, Dept of Physical Medicine and Rehabilitation from PSG IMSR addressed the faculty and students on the topic “Ergonomics – The Right Posture While Performing Various Tasks” on 28th July 2017 from 3.30 pm to 5.30 pm.



Dr. V.Ramamoorthy discussing the topic “Ergonomics- the right posture while performing various tasks” with PSG iTECH Students and Faculty on

The chief guest Dr.V.Ramamoorthy discussed interesting cases which related to ergonomics. Then he said “Ergonomics is the study of how humans interact with manmade objects. The goal of ergonomics is to create an environment that is well-suited to a user's physical needs”.

First year orientation programme:

A three-day First year orientation programme from 07th August 2017 to 09th August 2017. The orientation programme commenced with a warm welcome address by the Principal, Dr.P.V.Mohanram, who presented a brief profile of the academic ambience provided to the students at PSG iTech. He also introduced all the Heads of the Departments and highlighted the objectives of the three day programme.

The Chief Guest for the orientation program was Mr.Pattabiraman Krishnaswamy, Head – Accreditation, Tata Consultancy Services, Chennai, who deliberated on the various skills required

for students to become successful engineers followed by a special address by Prof.N.C.Nandagopalan, Secretary, PSG Schools, who emphasized the values imparted by PSG Institutions to the society and motivated the students to be a successful part of it. Dr.G.Chandramohan, Vice-Principal, PSG iTech delivered the vote of thanks for the Inaugural session.

Mr.Pattabiraman Krishnaswamy deliberated on the importance of engineering graduate's role in the competitive world. He also emphasized about the contributions that can be made by an engineer for the welfare of the society and nation. According to him, Engineers need to have a high level of attention to detail, reasoning ability, the skills and know-how to make things happen and strength of character to manage others.



A three day - First year orientation programme held from 07th August 2017 to 09th August 2017

Prof.N.C.Nandagopalan, Secretary, PSG Schools, highlighted the contributions made by the PSG Institutions in uplifting the society keeping education as a medium. During this session, he imparted the values from Ramayana and Mahabharata which can be adopted for successful professional and personal life. To achieve excellence in education and nurture engineers who will face global challenges to serve society, PSGiTech is aiming at producing quality engineers. In order to stand by these principles, there was an interactive session held between few of our placed students and freshers. Seniors shared their success mantras with the freshers. The session acted as bridge between seniors and juniors.

The second day of the orientation program was divided into two streams; Core stream (Mech and Civil) and Circuit stream (CSE, ECE, EEE). The Core stream students were taken to Industrial

visit to PSG & Sons' Charities Foundry division and a Virtual tour of BMW Plant– Automobile Manufacturing unit. The Circuit stream students were addressed by eminent speakers from industries and academia. The Speakers were Mr.S.Saravana Prabhu, SQC lead, KLA Tencor Software India Pvt Ltd, Chennai, Mr.Anand Purushothaman, CEO - Payoda Technologies, Coimbatore and Dr.R.Nadarajan, Professor and Head, Applied Mathematics and Computational Sciences, PSG College of Technology, Coimbatore. The day ended with circuit stream students planting trees. The tree species were selected in such a way to control pollution, attract birds, spread good aroma etc. Students actively took part in the venture and assured to maintain the same as a member of Eco club and NSS.

Mr.Anand Purushothaman, CEO - Payoda Technologies, Coimbatore addressed the first year students on the prospects and opportunities of the entrepreneurial world. He quoted examples of famous startups like Facebook and WhatsApp and told how these startups nailed the first time experience to the end user.

Mr.S.Saravana Prabhu, SQC lead, KLA Tencor Software India Pvt Ltd, Chennai engaged the circuit branch students in activities that deliberated the concept of team work and leadership quality development. The session was interactive and students took active participation in all the given tasks.

First year students of Mechanical and Civil Engg. Department were taken for an Industrial Visit to PSG Foundry, Neelambur. They also enjoyed an interesting session of Virtual tour on BMW Plant – Automobile Manufacturing unit. PSG iTech promotes such activities, as these activities lay a strong foundation to make an engineering student industry-ready.



Virtual Tour of BMW Plant



Industrial Visit to PSG Foundry Division

Third day, circuit stream students were taken for Industrial Visit to PSG & son's Charities Foundry division and Virtual tour of BMW Plant – Automobile Manufacturing unit. The Core stream students were addressed by eminent speakers from industries. The Speakers were Mr.C.Nandagopalan, Principal Engineer, Mahindra and Mahindra, Mr.C.Prakash, GM – Ashok Leyland, Chennai and Mr.B.Raja Sekar, Software Development Manager, Amazon Development Center, Chennai. Core stream students planted trees on the third day. The Orientation program ended with music performance by iTech music band which enthralled the freshers batch and kept them rejuvenated.



Students of PSG iTech Music performing during the First Year Orientation Programme

Mr.C.Prakash, General Manager – Ashok Leyland, hilariously addressed the students on maintaining college decorum and discipline. He said that engineering must be one's passion in life. His talk was motivational and informative.

Mr.C.Nandagopalan, Principal Engineer, Mahindra and Mahindra, talked about the usage of technologies in the field of engineering. He introduced students to the recent trends in technologies. He also spoke about people management, which he referred to as an important parameter in any firm.

Mr.B.Raja Sekar, Software Development Manager, Amazon Development Center, Chennai, addressed the core engineering freshers on the recent trends on the placement arena. He guided them with the necessary tools and skills that are required to crack placements. He also shared his experience on placement training that was adopted by his batch.

Workshops/Value Added Courses:

| S. No. | Workshop/Value Added Course | Guest / Handled by | Venue | Date |
|--------------------------|--|---|-----------------------------------|--------------------------------|
| <u>Conducted:</u> | | | | |
| 1 | Value Added Course on Machine Drawing | Dr. P V Mohanram Dr. R Ramesh Mr Anantharaman | PSG ITech | 28.06.2017 to 01.07.2017 |
| 2 | Value Added Course on Finite Element Modeling | Mr.S Baskaran Gallberry Engineers Coimbatore | PSG ITech | 28.06.2017 to 01.07.2017 |
| 3 | Value Added Course on Supply Chain Management | Dr. Elangovan | PSG ITech | 28.06.2017 to 01.07.2017 |
| 4 | Value Added Course on MATLAB | Mr J Nagarjun Mr T Prem Kumar | PSG ITech | 28.06.2017 to 01.07.2017 |
| <u>Attended:</u> | | | | |
| 1 | Workshop on Lean Manufacturing and Innovation in Industry and New product Development | Ms Sivananda Devi | Amrita, Coimbatore | 17.07.2017 |
| 2 | Technical Seminar on “Safety in Oxyfuel Process in Foundry” by Mr S Kuppusamy, Vice president, PSG Foundry, Coimbatore | Dr Elangovan Dr Rajesh Kumar | PSG Foundry | 20.07.2017 |
| 3 | Workshop on “Joy of Research” | Attended by Mr J Nagarjun | PSG Institute of Management | 28.07.2017 |
| 4 | Foundry Visit to all First Year Mechanical Students & Virtual Tour to Industry | Mechanical Engineering Staff | PSG Foundry | 08.08.2017 to 09.08.2017 |
| 5 | An innovation pipeline for Alternate Fuels and Fuel Cells | Mr T Prem Kumar | PSG College of Technology | 07.09.2017 to 08.09.2017 |

PSG CARE Programmes:

The following is the list of faculty members who have attended PSG CARE Programmes conducted during the period of July to September 2017.

| Date and Programme | Name | Designation |
|--|-------------------------|-------------------------|
| 12/07/2017 German Engineering Education System | Dr. Mohanram P V | Principal |
| | Dr. Chandramohan G | Vice Principal |
| | Dr Saravanakumar N | HoD / Mech |
| | Prof. Vasu | HoD / EEE |
| | Dr. Hamsapriya.T | HoD / CSE |
| | Dr. Malar | HoD / ECE |
| | Dr. Abdul Aleem | HoD / Civil |
| | Mr Balakumar P | Civil |
| | Mr. Elangovan | Mech |
| | Mr. Thivahar | CSE |
| | Dr. Ravikrishna | EEE |
| | Dr. Balaji K | Chemistry |
| | Dr. Sankara Subramaniam | Maths |
| 10/07/2017 Funding Opportunities | Dr. Elangovan D | Prof / Mech |
| | Ms Mangalam R | A P |
| | Dr. Latha G | AP /Chem |
| | Dr. Santhanamare G | AP (Sl.G)/ECE |
| | Dr. Sankara Subramaniam | Maths |
| 24/08.2017 Joy of Research | Ms. Sangeetha S | Asst Prof / IT |
| | Mr Nagaraju J | Asst Prof / Mech |
| 22 & 23 /09/2017 Train the Trainer LGT | Mr. Thivaharan S | Asst.Prof (Sr.Gr) / CSE |
| | Mr Balakumar P | Asst Prof / Civil |
| | Dr. Subashkumar C S | Assoc Prof / EEE |
| | Dr. Manojkumar P | Assoc Prof / Mech |
| | Dr. Pramila K | Assoc Prof / English |
| | Dr. Aramuthakannan S | Assoc Prof / Maths |
| | Ms. Mangalam R | Asst Prof (Sr.G) / Phy |
| | Dr. Harish S | Asst Prof (Sr.G) / Chem |

Industrial Visit by Department of Electrical and Electronics Engineering:

An industrial visit was arranged by the Department of Electrical and Electronics for the third year students to PSG Industrial Institute, Coimbatore on 5th September, 2017. The students were accompanied by faculty members Dr. C.S. Subhash Kumar, Ms. C.V.Pavithra.

A pre-visit introduction about the types of pumps, motor, rating, protection in motor, types of insulators and standards in motor manufacturing was given to the students.

The various concepts learned from the visit are,

- Bore well submersible motors and pumps
- Various Process involved in motor manufacturing
- Types of rotors
- Skewing of rotor conductors
- Various tests performed on motors and pumps

The session was interactive and helped students in understanding various processes involved in a manufacturing industry.

Industrial Visit by the Department of Mechanical Engineering:

| S.No. | Branch | Year | Date | Name of the Industry | No. of Students |
|-------|------------|------------|------------------------------|----------------------|-----------------|
| 1 | Mechanical | 2016 Batch | 18.8.2017 to 20.8.2017 | TVS Motors, Hosur | 54 |

Placement Report:

Overall Placement Details:

| Program | Final year student strength | Opted for Placement | % Opted | No. of students placed | % Placed | Highest Salary (Per Annum) | Lowest Salary (Per Annum) |
|---------|-----------------------------|---------------------|---------|------------------------|----------|----------------------------|---------------------------|
| B.E. | 340 | 292 | 85.88 | 145 | 49.65 | 16,00,000 | 3,36,000 |

Department-wise Placement Details:

| Program | Final year student strength | Opted for Placement | % Opted | No. of students placed | % Placed | Highest Salary (Per Annum) | Lowest Salary (Per Annum) |
|--------------|-----------------------------|---------------------|--------------|------------------------|--------------|----------------------------|---------------------------|
| Civil | 67 | 59 | 88.06 | 8 | 13.56 | 7,00,000 | 3,36,000 |
| CSE | 67 | 58 | 86.57 | 42 | 72.41 | 14,50,000 | 3,36,000 |
| ECE | 69 | 55 | 79.71 | 41 | 74.55 | 14,50,000 | 3,36,000 |
| EEE | 68 | 62 | 91.18 | 39 | 62.90 | 16,00,000 | 3,36,000 |
| Mech | 69 | 58 | 84.06 | 15 | 25.86 | 4,80,000 | 3,36,000 |
| Total | 340 | 292 | 85.88 | 145 | 49.66 | | |

Internship Report of Our Student C S Nagarajan through AIESEC in Russia:

AIESEC is the largest youth run NGO that is in consultative status with the United Nations and works towards achieving *the Sustainable Development Goals of United Nations*. It provides leadership *development and cross cultural internships across the globe* to have a positive impact on society.

Mr C S Nagarajan, III B.E. Mechanical Engineering has applied for the Global Volunteer Internship through AIESEC

in the last week of April. The first round for selection consists of sending answers for the questions given by recording a video. The second round consists of a *video*

interview. After clearing both the rounds, *he was selected among 25 other interns across the globe for the internship in Saint Petersburg, Russia*. His internship consisted of three phases:

Work – Teaching the assigned groups:

All through the six weeks, participants have to teach the assigned group on specific topics and equip them with skills. This comes in direct relation with the objective of United Nations to



Certificate received by Mr C S Nagarajan III B.E. ,(Mech) for first in Class International Language Centre in English Language Tutoring Category

empower people. He taught English to a group of Russians of age ranging from 10 to 35 during the first couple of weeks. He also taught about the ecological problems that the world faces during the course of next three weeks to the groups and also in a high school. He secured the first place in the English Language Tutoring category based on the performance of my group.

International Relations – Classes:

The second phase was being a part of a class on International Relations. They had an opportunity to regularly discuss and had case studies on various International issues and the supremacy in the view points of the other global interns gave him an understanding about the approach and the comprehending supremacy of various interns on a given issue.



Mr. C S Nagarajan III B.E., Mech (Extreme right) along wWith interns from Turkey , France , China , Switzerland , Spain , Thailand along with his Project Manager in Saint Petersburg Local Committee

Russian Education System:

Finally participants were also asked to compare and contrast the education system in our home country and the host country (in this case Russia). They travelled the lengths and breadths of Saint Petersburg to understand the educational landscape and the opinions of various people on its effectiveness. It was during this time I got good insights on the positives and negatives of the education system in Russia. I will enlist the gist of my findings.

His Learning and benefits:

- Studies on various international issues.
- *Stood first in Class International Language Centre in English Language Tutoring Category.*
- Cross cultural experiences.
- Working in a team of global interns with cultural, language, ideological differences.
- Teaching experience.
- Eligible to be a “ *Global Entrepreneur*” wherein I can undergo an internship relating to Management (Accounting , Marketing , Finance etc) in emerging Start ups across the globe. This is to get a real time working experience. (Given that I clear video interview rounds once again).

- *Self Independence* – Being in a foreign land for nearly 50 days, myself independence levels increased manifold.
- Having *the satisfaction of a providing a positive impact in the global society and working towards a noble goal.*



AIESEC ENGEC-GUAP
SAINT-PETERSBURG, RUSSIA
Certificate of Excellence
this certificate is presented to

COIMBATORE SATHYANARAYANAN NAGARAJAN

For successfully completing "SunShine project" 21.06.17-04.08.17
under the SDG "Quality Education" of United Nations
as a part of AIESEC Global Volunteer Program

President of AIESEC Russia



Anna Konovalova

Certificate received by Mr. C S Nagarajan III B.E., Mech for successfully completing the Sunshine Project

His six week period, from 21st July 2107 to 4th August 2017 was an extremely great experience with tons of learning aspects. This internship essentially has changed the way I tackle any problem and has given him with immense experience and leadership skills. It was a golden opportunity and it has also given me another opportunity to work in leading start ups next year. Being an MBA aspirant this was a perfect task for him and he thank our college for all the support.

Internship Report of Our Student Umasundar (II Year) and Mohamed Abubucker (IV Year in Glassgow Caledonian University UK:

Our Students, Mr A Umasundar (II Year) and Mr M. Mohamed Abubucker (IV Year) of Mechanical Engineering department went for an internship during 17th July to 28th July 2017 to Glassgow Caledonian University UK.

Their entire program was divided into two phases as different aspects of a culture and industrial case studies and Leadership and Project Management.

Each day was divided into two sessions(occasionally three) the morning sessions was generally a bit theoretical and was handled by Miss.Kate and the AN sessions by Dr.Marget had a lot to do with applying what we learnt in the morning sessions via activities from the morning sessions. The evening session (if we had one) would be the continuation of AN session.



Certificate received by Mr.A Umasundar II B.E., Mech for successfully completing the International Summer School Course

Mr. A Umasundar II B.E., Mech along with his trainer

Our students undergone for mainly Project Management and Human Resource, He got an opportunity to know the education system in UK.

The participants were distributed with printouts of the material to be taught followed by the lecture. We would pause occasionally to have a discussion where in people from different cultural backgrounds would contribute and tell us how a particular aspect is different in their culture. I found it interesting when the teacher allowed us to even use our mobile in the class to find answers of certain questions that came in the middle of the discussion. The best part of the learning process was to understand that “Not everyone knows everything, it’s all about sharing the information beyond the ethnic differences.

The class contained Students from various countries including United States, Canada, Spain, China and obviously India. It was made sure that during every group activity the class was divided into groups where no more than 2 students were from the same country.

Memorandum of Understanding with Barry – Wehmiller International, Chennai:

A Memorandum of Understanding was signed between Barry – Wehmiller International (B-WI), Chennai and PSG Institute of Technology and Applied Research, Coimbatore on 20 September 2017. The objective of this MOU is to develop and execute education programs and academic projects through Career Oriented Engineering (CORE) program. CORE program is an initiative by B-WI to bring industry expertise to the engineering students in the campuses. This program works on the principle that imparting employability skills to engineering students is the responsibility of both educational institution and industries, and the CORE program contributes to building world class engineering students that industries need. A minimum of 30 students may enrol per year each for Mechanical and Electrical for the first year discipline for the program and will add students in successive years based on the willingness of the students at the end of first year training.

Inauguration of Higher Education Learning Centre:

The Higher Education Learning Centre (HELCC) was inaugurated on 25th September 2017 at 10.00 a.m. in the presence of Shri. L. Gopalakrishnan, Managing Trustee, PSG Institutions.

The Principal, Dr. P. V. Mohanram and the Vice Principal, Dr. G. Chandramohan and all Heads of Departments and faculty members witnessed the inaugural and the MOU signed between PSGiTech and Magnus Prep.



MoU signed between PSGiTech and Magnus Prep on 25th September 2017

Principal welcomed everyone and briefly highlighted the placement scenario and also highlighted the fact that a considerable number of students are interested in pursuing higher education. Students and parents have requested for training in GRE, GATE, GMAT, bank exams and so on. Obliging to their requests, the college has embarked on this venture with Mr. B. Rajesh Kumar, Co-founder, MAGNUS PREP to establish an online training and counseling

centre in the college campus. He expressed his gratitude to the Trustee, the Chief Guest and Mr. B. Rajesh Kumar for their presence.

The Chief Guest of the programme was Thiru. V. Lakshminarayanan, MD, Suguna Group of Industries, Coimbatore. In his address, he congratulated the college on its excellent academic record since its inception in 2014. He also congratulated the Trustee and the Principal and the Vice Principal for establishing this online training centre.

An MOU was signed by the Trustee, Shri. L. Gopalakrishnan, Managing Trustee, PSG Institutions and Mr. B. Rajesh Kumar, Co-founder, MAGNUS PREP. Mr. B. Ramesh traced the growth of FACE as a specialized training institute for placement and he assured all support and guidance for HELC.



Mr. B. Ramesh gave an introduction to the Centre which is located in E4-101 and gave a small demonstration in the presence of the Trustee, Principal, Vice Principal, HoDs and faculty members and some students.

Mr B Ramesh gave an introduction to the gathering

Principal and Vice Principal thanked everyone and hoped that students will make use of the Centre.

MoU between Nexmoo Solution (India) Pvt. Ltd and PSG iTech:

A Memorandum of Understanding (MoU) was signed between PSG Institute of Technology and Applied Research and Nexmoo Solutions (India) Pvt. Ltd at the board room, PSG iTech presided by Shri. L. Gopalakrishnan, Managing Trustee, PSG Institutions on 17.8.2017. This was followed by inauguration of PSG iTech – Nexmoo Centre of Excellence (Mobile and IoT) by Mr. S. Pandiarajan, Managing Director, Nexmoo Solutions India Pvt. Ltd at the respective labs.



A Memorandum of Understanding (MoU) was signed between the college and Nexmoo Solutions (India) Pvt. Ltd. Right-to-Left: Dr. P.V. Mohanram, Principal, PSG iTech, Shri. L. Gopalakrishnan, Managing Trustee, Mr. S. Pandiarajan, MD, Nexmoo Solutions, Dr. T. Hamsapriya, HoD, Department of CSE



Mr. S. Pandiarajan, Managing Director, Nexmoo Solutions India Pvt. Ltd inaugurating the Nexmoo Centre of Excellence (Mobile and IoT) in the presence of Shri. L. Gopalakrishnan, Managing Trustee, Dr. P. V. Mohanram, Principal, PSG iTech and Dr. Radhakrishnan Nair, Director, PSG IAS

Founded by mobile app experts, Nexmoo creates unparalleled mobility solutions that empower their customers in realizing their vision. Kicking off with Symbian based mobile apps, their mobility solutions expertise has grown up to match the needs of all the major smart phones and tablets today and they are one of the leading mobile app development company in Chennai, India. Exhibiting their technical prowess in Windows, Android and iOS, their team of experts has transformed the mobile app development into a business realistic solution which is to be called enterprise mobility.

Nexmoo Centre of Excellence is planning to conduct training programs, workshops and internships for students in Mobile application development and Internet of Things field. Students will be able to do projects under the guidance of Nexmoo personnel based on which placements of final year students would be done with the same company. A test bed worth Rs. 1,00,000/- is provided by the company which would be used in this regard.



Project demonstration on Mobile Application by B. Nikeshh, III BE CSE

Research Advisory Meeting:

Dr. D. R. Prasada Raju, Former Head of DST, New Delhi, has been visiting the campus regularly and he has provided input to faculty regarding preparation of research proposals. He has extended assistance to the following faculty of PSG iTech as listed below. The meeting was coordinated by Dr. K. Balaji, AP (Sr. G.)/Chemistry.

| S. No. | Date of meeting | Key faculty who got input for preparing research proposal |
|---------------|------------------------|---|
| 1. | 10.07.2017 | Dr. P. Vetrivelan, Associate Professor, Department of ECE Dr. M. Jayasanthi, Associate Professor, Department of ECE Dr. S. Vanitha, Assistant Professor (Sr.Gr.), Department of ECE Dr. R. Umadevi, Associate Professor, Department of EEE Dr. C.S. Subash Kumar, Associate Professor, Department of EEE |
| 2. | 15.09.2017 | Dr. M. I. Abdul Aleem, Professor, Department of Civil Engineering Dr. D. Elangovan, Professor, Department of Mechanical Engineering Dr. G. Rajeshkumar, AP (Sr. G.), Department of Chemistry Dr. G. Santhanamari, AP (Sl. G.), Department of ECE Dr. M. Jayasanthi, Associate Professor, Department of ECE Dr R Sankarasubramanian, Professor, Department of Mathematics |

The following faculty have submitted their research proposals to DST and they are under review:

| S. No. | Faculty | Department | Sponsoring Agency/Scheme | Fund Requested (Rs.) |
|---------------|--|-------------------|---------------------------------|-----------------------------|
| 1. | Dr. M. I. Abdul Aleem Dr. K. Balaji | Civil | DST/EMR | 49,02,490 |
| | | Chemistry | | |
| 2. | Dr. P. Manoj Kumar | Mechanical | DST/EMR | 33,03,840 |
| 3. | Dr. M Jayasanthi | ECE | DST/EMR | 27,37,240 |
| 4. | Dr. V. Chitra | Mathematics | DST/MATRICES | 6,00,000 |
| 5. | Dr. R. S. Sankara Subramanian | Mathematics | DST/MATRICES | 6,00,000 |
| 6. | Dr. S. Aramuthakannan | Mathematics | DST/MATRICES | 6,00,000 |
| 7. | Dr. S. Harish | Chemistry | DST/EMR | 30,96,000 |

Ph.D. Guided :

The following faculty have guided Ph.D. students

| S. No. | Name of the Faculty | No. of Students | Name of the Student |
|--------|--|-----------------|-------------------------------------|
| 1. | Dr. P.V. Mohanram Principal | 2 | Dr. Katheresan Dr. Mandenrakumar |
| 2. | Dr. G. Chandramohan Vice Principal | 2 | Dr. T.R. Uma Dr. Sunil D Majagi |
| 3. | Dr. D. Elangovan Professor/Mechanical | 1 | Dr. S. Gobinath |

Sports Achievements:

| S. No. | Student's Name | Date | Event & Venue | Awards |
|--------|-------------------------------------|-------------------------------|---|---|
| 1 | Mr. S. Paul Anand, I CIVIL | 12/07/2017 - 16/07/2017 | 43 rd Tamilnadu Shooting Championship Veerapuram – Chennai | 25m Standard Pistol (Junior Men - Gold Medal) |
| | | | | 25m Standard Pistol (NR Junior Men - Gold Medal) |
| | | | | 25m Centre Fire Pistol (Junior Men) - Silver Medal |
| | | | | 25m Centre Fire Pistol (Men) Bronze Medal |
| 2 | Mr. P. Dharun, I EEE | 01/09/2017 - 03/09/2017 | 32 nd Tamilnadu Inter District Junior Athletic Championships (M & W) Madurai District | Discus Throw -Third Place |
| 3 | Mr. S.A.Sakthi Vignesh, III MECH | 28/08/2017 - 30/08/2017 | 5 th South Zone Sepaktakraw Championship – 2017 Vijayawada, AP | First Place |
| 4 | Mr. P. Dharun, I EEE | 11/09/2017 - 13/09/2017 | Anna University Zonal Athletic Meet (M & W) Coimbatore Institute of Technology | Shot put - Silver Medal |
| | Ms. R. Sruthi, III CSE | | | Discus Throw – Bronze |
| | Ms. S. Swetha, IV CSE | | | High Jump - Gold Medal |
| | Ms. T.T. Kousalya, III ECE | | | Shot put - Gold Medal |
| | | | | Discus Throw - Bronze Medal |
| 5 | Ms. T. Pradeepa, IV ECE | 25/08/2017 | Anna University Zonal Table Tennis (W) Tournament PSGiTECH | Long Jump - Silver Medal |
| | Ms. G. Jayashree, III ECE | | | |
| | Ms. S. Swathi, III CSE | | | |
| | Ms. S.K. Nandhini, III CSE | | | |
| | Ms. Shanmathi Gayathri, III ECE | | | Second Place |

| S. No. | Student's Name | Date | Event & Venue | Awards |
|--------|---------------------------------------|-------------------------------|--|--------------------------------|
| 6 | Mr. P. Ram Prakash, IV CSE | 16/08/2017 | Anna University Zonal Table Tennis (M) Tournament KPR IET | Third Place |
| | Mr. S. Srivatsan, III EEE | | | |
| | Mr. S. Harinath, IV MECH | | | |
| | Mr. E.R. Rohith, III ECE | | | |
| | Mr. S. Kiruba Shankar, IV EEE | | | |
| 7 | Ms. S. Swetha, IV CSE | 14/09/2017 | Anna University Zonal Badminton (W) Tournament PSGiTECH | Second Place |
| | Ms. J. Sowmya, IV ECE | | | |
| | Ms. T. Pradeepa, IV ECE | | | |
| | Ms. Maria Karen Joshua, I CSE | | | |
| 8 | Ms. R. Jeya, IV CSE | 11/09/2017 | Anna University Zonal Chess (W) Tournament Teja Shakthi Inst. Eng. Tech. | Fourth Place |
| | Ms. S. Lakshmi Nivashini, III CIVIL | | | |
| | Ms. Meha Ravi, II CSE | | | |
| | Ms. R.P. Viswathi, I ECE | | | |
| | Ms. K. Kaavya, III ECE | | | |
| | Ms. Akshathak, I EEE | | | |
| 9 | Mr. P. Dharun, I EEE | 21/08/2017 | 58 th Coimbatore District Athletic Meet (M & W) Coimbatore District | Shot-Put – Silver Medal |
| | | - 22/08/2017 | | Discus – Silver Medal |
| 10 | Mr. R. Surendar, IV EEE | 24/09/2017 - 27/09/2017 | Anna University Zonal Football (M) Tournament Dr. NGP Inst. Eng. Tech. | Third Place |
| | Mr. E. Harish, IV MECH | | | |
| | Mr. S. Mohana RamaKrishnan, IV MECH | | | |
| | Mr. P. Mohana Rama Krishnan, IV MECH | | | |
| | Mr. V. Nithin Sayoon, IV MECH | | | |
| | Mr. M Ajit, IV EEE | | | |
| | Mr. M. Siddarth Chockalingam, III EEE | | | |
| | Mr. M.K. Chandhanu, III CSE | | | |
| | Mr. B. Manoj, III EEE | | | |
| | Mr. T. Suraj, II ECE | | | |
| | Mr. K.M. Sri Ram, II MECH | | | |
| | Mr. Nithesh Kumar, II MECH | | | |
| | Mr. P. Mohan Prasad, II MECH | | | |
| | Mr. V. Nantha Kumar, II CIVIL | | | |

| S. No. | Student's Name | Date | Event & Venue | Awards |
|--------|-----------------------------------|-------------------------------|--|---------------------|
| | Mr. B.S. Bharath Nataraj, II CSE | 24/09/2017 - 27/09/2017 | Anna University Zonal Football (M) Tournament Dr. NGP Inst. Eng. Tech. | Third Place |
| | Mr. M. Arjun, I CSE | | | |
| | Mr. T. Vijay Vel Raja, I ECE | | | |
| | Mr. H. Mohamed Shkeel, II MECH | | | |
| | Mr. B. Nishanth, IV MECH | | | |
| | Mr. Shri Krishna Saravanan, I ECE | | | |
| 11 | Mr. S. Kiruba Shankar, IV EEE | 21/09/2017 | Anna University Zonal Chess (M) Tournament Teja Shakthi Engineering College | Second Place |
| | Mr. N. Gowthaman, III MECH | | | |
| | Mr. K.Y. Nishanth Raaj, III CIVIL | | | |
| | Mr. K. Shyam Pranav, II EEE | | | |
| | Mr. K. Balaganesa, I CIVIL | | | |
| | Mr. T.S.K. Shanmugaraj, I CIVIL | | | |

Micro Teaching:

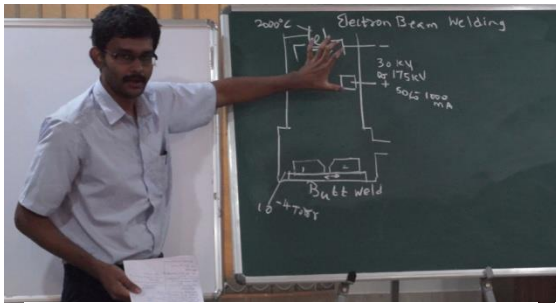
A workshop on Micro Teaching for theory and laboratory classes was organized in the campus. Micro Teaching, was undertaken by the faculty, who were expected to teach a particular subject during the next semester. The faculty members underwent micro teaching process, with audio and video coverage in front of a panel of experts, Principal, Vice-Principal and the respective department HoD. The following faculty underwent micro teaching exercise as listed below. The workshop was coordinated by Dr. K. Balaji, AP (Sr. G./Chemistry).

(For I, III, V & VII semester classes)

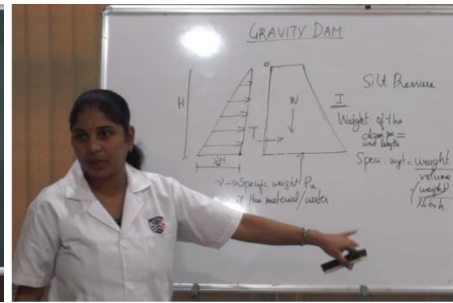
| S. No. | Date | Faculty trained through micro teaching | Area of topic | Subject |
|--------------|----------|--|---|--------------------------------|
| CIVIL | | | | |
| 1. | 18-05-17 | Mr. S. Elayaraja / AP (Sr. Gr) | Housing Programme | Housing Planning & Management |
| 2. | 18-05-17 | Mr. V. Navin Ganesh / AP | Fundamental parameter of traffic stream | Traffic Engg. & Management |
| 3. | 18-05-17 | Ms. A. Annie Pauline Sarah / AP | Methods of prestressing | Prestressed Concrete Structure |

| S. No. | Date | Faculty trained through micro teaching | Area of topic | Subject |
|-------------------|----------|--|--|---|
| 4. | 18-05-17 | Ms. D. Pricilla / AP | Gravity Dams | Water Resources and Irrigation |
| 5. | 04-07-17 | Ms. V. Selvapriya /AP | Testing of fresh concrete | Construction Techniques, Equipment and Practice |
| MECHANICAL | | | | |
| 6. | 19-05-17 | Ms. K. Sivanandhadevi /AP (Sl.G.) | 2D Transformation Process Planning | CAD, CIM |
| 7. | 19-05-17 | Mr. N. Anand / AP | EBM | Welding Technology |
| 8. | 18-07-17 | Dr. D. Elangovan / Professor | Reliability and Mean Time Between Failures | Maintenance Engg. |
| CSE | | | | |
| 9. | 04-05-17 | Mr. Pon Harshavardhanan / AP (Sl. G) | Computer Science | Cloud Computing |
| 10. | 04-05-17 | Ms. A. C. Sumathi / AP (Sl. G) | Computer Security | Cryptography & Network Security |
| 11. | 05-05-17 | Mr. R. S Harikrishnan / AP | Project Management | Resource Management Techniques |
| ECE | | | | |
| 12. | 04-05-17 | Dr. S. Vanitha / AP (Sl. G) | Introduction to Satellite Communication | Satellite Communication |
| 13. | 11-05-17 | Dr. M. Jayasanthi / ASP | Cache Memory | Embedded and Real Time Systems |
| 14. | 15-05-17 | Mr .M. Jothibasau / AP | Interrupts | Mechatronics |
| 15. | 25-05-17 | Mr. D. Venkatesh / AP (Sr. Gr) | S-parameters | RF and Microwave Engg. |
| 16. | 25-05-17 | Ms. R. Ramyaa / AP | Optical Fiber | Optoelectronic devices |
| 17. | 25-05-17 | Ms. P. Reba / AP (Sr. Gr) | Spectrum sensing function cognitive radio | Cognitive Radio |
| EEE | | | | |
| 18. | 08-05-17 | Dr. K. Lakshmi / ASP | Measurement of High Voltages | High Voltage Engg. |
| 19. | 08-05-17 | Dr. R.L. Josephine / AP (Sr. G) | Principle & Operation Of DC Motor | Electrical Engg. & Instrumentation |
| 20. | 08-05-17 | Mr. M. Sathiyathan / AP | Harmonics in Electrical System | Power Quality |
| 21. | 09-05-17 | Ms. K. Bavithara / AP | Fuzzy Logic | Applied Soft Computing |
| 22. | 09-05-17 | Ms. R. Umadevi / AP (Sl. G) | Importance and Zones of Protection | Protection and Switchgear |
| 23. | 05-07-17 | Ms. A. Jeyashree / AP | Voltage Sag | Power Quality |
| 24. | 05-07-17 | Mr. S. P. Mahesh /AP (Sl.G) | Basic Principles | Pre-Stress |

| S. No. | Date | Faculty trained through micro teaching | Area of topic | Subject |
|-------------------------------|----------|---|--|--|
| 25. | 06-07-17 | Ms. D. Archana /AP | Basic Semiconductor Theory | Electronic Drives and Circuits |
| 26. | 06-07-17 | Ms. A.K. Kowsalyadevi / AP | Introduction Eneution in 8085 μ p | Microprocessor and Microcontroller |
| Science and Humanities | | | | |
| 27. | 03-07-17 | Mr. P. Gajendran, AP / Mathematics | Formation of PDE | Transforms and Partial Differential Equation |
| 28. | 03-07-17 | Dr. G. Latha, AP (Sl. G)/Chemistry | Classification of Polymers Thermoplastic & Thermosetting plastic | Engineering Chemistry |
| 29. | 03-07-17 | Dr. R. S. Sankara Subramanian, Prof / Mathematics | Application of Differential Calculus / Curvature | Engg. Mathematics - I |



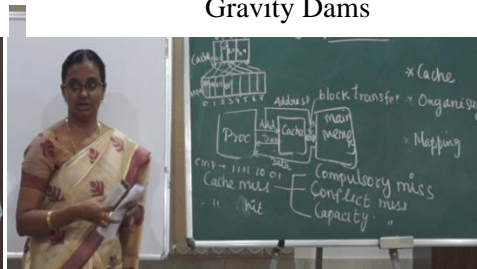
Mr. N. Anand, AP/Mech, teaching Welding Technology



Ms. D. Pricilla, AP/Civil, teaching Gravity Dams



Mr. Pon Harshavardhanan, AP/CSE (Sl. G) teaching Cloud Computing



Dr. M. Jayasanthi / ASP teaching Embedded and Real Time Systems

Let's Talk Programme:

Let's Talk programme was held on 27th September 2017 between 5.00 pm and 6.00 pm at E-4 Seminar Hall.

There were two speakers: Ms. V. R. Harini (II ECE) and Ms. R. Shreenidhi (III EEE)

Ms. R. Shreenidhi, III EEE, gave a delightful talk on, “**Rethinking Mythology.**” She gave interesting stories from mythologies and related their significance to the modern world. She used characters and situations from the Mahabaratha to show how they are very much relevant even today.

Ms. V. R. Harini (II ECE) attempted a very difficult topic, “**Enigmatic Humour.**” She commenced her speech with humorous anecdotes from her own personal experiences. She connected the anecdotes in the course of her speech to emphasize why humour is very important in life.

Both the speakers spoke with a lot confidence and the content was well organized.

Certificates were given to the speakers. Prof. C. L. Vasu, HoD, EEE gave away the certificate to Ms. V. R. Harini (II ECE) and Dr. S. Jayakumar, HoD, Department of Physics gave away the certificate to Ms. R. Shreenidhi, III EEE.



Prof C L Vasu, HoD,
EEE giving the
certificate to
Ms V R Harini

Extra/Co-curricular Activities:

Orphanage Visit:

NSS motto is ‘NOT ME , BUT YOU ‘. This reflects the essence of democratic living and upholds the need or selfless service and appreciation o the other person’s point of view and also to show the consideration for fellow

human beings. To demonstrate this motto, NSS team visited the *DEAF AND DUMB SCHOOL* at Thekkalur, on 24th September 2017, which was officially declared as NATIONAL SERVICE SCHEME DAY. The NSS volunteers had started early at the



PSGiTech NSS Team visited the
Deaf & Dumb school at Thekkalur on
24th September 2017

morning around 9.00 am to reach the orphanage. The differently-abled people from that school greeted the NSS volunteers with warmness. They were extremely happy to receive the team.

At first the instructor had introduced PSGiTech students to the people in sign language. SIGN LANGUAGE helps these deaf and dumb people to communicate with each other. The NSS team had already planned to conduct fun events at the orphanage so that the people will feel at home. So, the boys were trained to play sport events like volleyball, throw ball along with the NSS volunteers.

They were so much involved in it. They were so much talented in sports. Our students learnt a lot from them. Parallely girls from that school had been involved in dancing which was taught by the PSGiTech NSS volunteers. They had been taught bharathanatiyam, western and folk and were requested to perform a programme immediately during the afternoon.

Lunch was provided over there. The differently-able people were served by the NSS volunteers. They had finished their prayers and started to eat the lunch.



PSGiTech NSS Volunteers serving lunch to the differently-abled people

At first it was difficult for the NSS volunteers to communicate with them. But later on, the PSGiTech students got involved with them and were easily taken into their world of living.

Some of the observations made by the NSS Volunteers:

The school students were talented with good understanding skills and grasping power. Even though, they couldn't hear and speak anything, their passion for learning new things was so high that made the NSS volunteers to feel proud.

The school children were caring and confident. They didn't consider their weakness. Hope and hard work always gave them path to success. They were so much involved in every activity with 100% enthusiasm.

Students were taught to make mini-craftwork and they displayed their work.



Students of the Deaf and Dumb school at Thekkalur performing Bharathanatyam under the supervision of PSGiTech NSS Volunteers



Students of the school performing folk dance under the guidance of PSGiTech students

Serving these people made PSGiTech students highly fulfilled. NSS volunteers were so proud to visit the school and it really made the day remarkable.

Blood Donation Camp:

The Youth Red Cross (YRC) Society has organized blood donation camp in association with Shanthi Social Services, Coimbatore in the college premises on September 21, 2017. Dr. P.V Mohanram, Principal, inaugurated the camp and Mr. Suresh Babu, Blood Bank Division Shanthi Social Services congratulated the students and faculty members for coming forward to organize this event. After the meticulous screening by the doctor's team, the donor's blood has been collected. There are 122 donors (118 Students and 4 Faculty) of PSG Institute of Technology and Applied Research (PSG iTech), have donated blood in this camp.

Dr. P.V. Mohanram, Principal, extended his sincere thanks to doctors team from Shanthi Social Services for their support and congratulated the YRC team for organizing an event of social benefit and also assured to support for similar events in the days to come. Mr. M. Sathiyathan, YRC Program officer appreciated the initiative taken up by the students of PSG iTech and also assured to extend support for similar activities in the institute in future.



Blood Donation Camp conducted by Youth Red Cross Society of PSGiTech in association with Shanthi Social Services

Onam 2017:

ONAM was celebrated at PSGiTech on 13th September, 2017. The celebrations started with a beautiful ‘POOKKOLAM’ (floral decoration) made by the students and the staff. The cultural events started at 4:30 pm with the distribution of ‘banana chips’. The students and staff jointly sang few



Onam 2017 Celebration with Pookkolam made by PSGiTech students on

traditional songs which was followed by a semi-classical dance performance. The musical chair event for the staff and events like 'URIYADI' (pot breaking), Sack Race, TUG of WAR for the students had good participation and was well enjoyed by all. Delicious 'PALADA PAYASAM' was served for all the students and staff of the college.

Outreach Programme at Anaikatti:

Outreach programme was organized for the first year B.E students on 16th and 17th September 2017 in Anaikatti, PSG Institutions campus. Students from Electronics and Communication Engineering, Computer Science Engineering and Electrical and Electronics Engineering were participated this programme on 16-09-17 and the remaining students (Mechanical Engineering and Civil Engineering students) participated on the second day, 17-09-2017. Total 264 students, 20 faculty members and 7 non-teaching staff attended this two day programme.



First day group photo in Anaikatti PSG Institute

This Outreach Programme gives students an opportunity to get involved in a group activity and develop collective decision making skills.

Various events including Tree plantation, Rope climbing, Games, Cultural programmes and cleaning in the PSG Outreach campus were carried out at Anaikatti. Further, trekking was organized inside the Nilgiri Biosphere Nature Park. Students received hands-on training in rain water harvesting methodology and preservation of endemic and rare and medicinal plants. Nutrient food, prepared indigenously was distributed to the participants.