



3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

	IEEE SB							
S. No	Date	Name of the Activity	No. of Beneficiaries	Page No.				
1	28.06.21 to 09.07.21	Online Skill Course	100	4				
2	15.09.2021	Seminar on Tinker CAD	10	4				
3	24.09.2021	Seminar on Next Generation Wireless Communication Challenges and Issues	31	4				
4	24.09.2021	Symposium CISABZ'21	68	5				
5	24.09.2021	Symposium eBlast'21	204	5				
6	27.09.2021	Talk on Competitive Swarm Optimizer and its Application in Optimal DG Planning in Distribution Network	08	6				
7	29.09.2021	Webinar on Introduction and Interfacing of Sensors with Raspberry Pi	63	7				
8	16.09.2021	seminar on Goal setting	81	7				
9	05.10.2021	Webinar on IEEE Awards & Scholarships	130	8				
10	10.10.2021	Electronic Art 2.0	21	8				
11	09.10.2021	Paper Presentation	16	8				
12	09.10.2021	Webinar on Internet of Energy	40	9				
13	11.10.2021	Webinar on Importance of Girls' Education	45	10				
14	15.10.2021	Seminar on Energy Management System	41	10				
15	28.10.2021	Symposium ENIGMA 2k21"	48	11				
16	31.10.2021	Webinar on Project Based Learning	45	11				
17	08.11.2021 09.11.2021	FDP on Smart Grid-Trends and Future Perspective	85	12				
18	13.11.2021	Webinar on Know about Overseas Recruitment and Studies	385	13				
19	15.11.2021	Technical Puzzles	50	14				
20	17.11.2021	Seminar on Personality Development - Leadership qualities and Effective Learning Practices	09	14				
21	17.11.2021	IEEE Student Membership Awareness and Benefits	60	15				

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22	17.11.2021	Seminar on Generation of Power using Gravity	41	15
23	30.11.2021	Student Activity Committee meet	20	15
24	01.12.2021	Technical Quiz – Electronics	40	16
25	08.12.2021	Seminar on Optimal Installation of Multiple DG Units Using Competitive Swarm Optimizer (CSO) Algorithm	41	16
26	08.12.2021	Seminar on Distributed Energy Trading in Smart Grid Over Directed Communication Network	40	17
27	16.12.2021	Seminar on Design of higher order tip-tilt mitigation system using wavefrontsensorless Adaptive optics system in Terrestrial Free Space Optical Communication	11	17
28	21.12.2021	Seminar on Programme on Energy Conservation	40	18
29	24.12.2021	Workshop on Skill sets for Electronics Engineers in Core Field	45	18
30	30.12.2021	Seminar on Trust-aware energy-efficient stable clustering approach using fuzzy type-2 Cuckoo Search optimization algorithm for wireless sensor networks	12	19
31	08.01.2022	Seminar on 'Write-on'	32	19
32	12.01.2022	Awareness Talk on 'Empowering Youth as a Promising Leader'	100	19
33	25.01.2022	Talk on Literacy and Life Skills for Women	98	20
34	31.01.2022	Lecture on "IoT based Application in Healthcare Devices".	13	20
35	01.02.2022	Circuit Debugging	50	21
36	11.02.2022	Preparatory Workshop and Meeting for NBA	68	22
37	12.02.2022	Webinar on "Women and Adolescent Health"	198	22
38	14.02.2022	Session on "Handling Stakeholders with Care"	25	23
39	16.02.2022 & 17.02.2022	Two day FDP on "Integrating PCE skills into Classroom Teaching"	60	23
40	16.02.2022 to 25.02.2022	Winter Crash Course on Embedded C Programming	23	24
41	26.02.2022	Faculty Development Programme on "Moodle Learning Management System"	74	24

42	28.02.2022	National Science Day'2022	40	25
43	04.03.2022	Awareness on Energy Audit	50	26
44	08.03.2022	Talk by Successful Women Entrepreneur	55	26
45	18.03.2022	Preparedness towards Core Opportunities	52	26
46	25.03.2022	Seminar on Smart Grid - Revolutionizing our Energy Future	08	27
47	25.03.2022	Webinar on How to approach Corporate Companies for Jobs	45	27
48	28.04.2022	Seminar on PI Controlling of Air Conditioning System	07	28
49	26.04.2022	Seminar on "Intellectual Property Rights"	220	28
50	29.04.2022	Seminar on Internet of Federated Things	08	29
51	22.04.2022	Seminar on IOT in Agriculture Applications using Wireless Sensor Network	12	30
52	29.04.2022	Mini Project Expo	42	30
53	09.05.2022	Seminar on Evaluation of Electric Vehicles, Future Challenges & Opportunities	167	31
51	02.06.2022	Seminar on Implementation of fruit quality classification application using AI Algorithm	10	32
52	10.06.2022	National Conference on Communication, Networking and Intelligence (NCCNI'22)	52	33
53	10.06.2022	National Conference on Flourishing Areas in Electrical and Electronics Engineering (NACOFEE'22)	72	33
54	10.06.2022	National Conference on Recent Advancements in Computers & Communication Technologies (NCRACCT'22)	48	34
55	15.06.2022	Kings Project Expo'22	200	35







IEEE SB Kings College of Engineering, Punalkulam

September, 2021

Department of CSE and IEEE Student Branch STB 16621 jointly organized a seminar. Ms.S.Puvaneswari AP/CSE handled the session in the topic of "IoT application using Tinkercad". She described the procedure to create a workspace in that website. Tinkercad is a freeware website which is used to provide a platform to develop an IoT project. It allows the user to create 3D designs, new circuit designs. It consists of various components and simulates the functionalities of real sensors such as vibration sensor, thermal sensor and so on. To develop an IoT project, the website offers two kinds of coding Methods. First method contains the blocks. The blocks will be placed where it is required and executed when the project is started. Second type of coding follows the c++ syntax. It contains setup function and loop function. Based on the requirement, the number of functions varied. During the session, the following three simulation were demonstrated: Glowing an LED bulb, Glowing an LED bulb using Arduino kit and Displaying the meter reading using vibration sensor.



Department of EEE and IEEE Student Branch STB 16621 jointly organized a seminar on "Next Generation Wireless Communication Challenges and Issues" for faculty of EEE on 24.09.2021. Mrs. P. Thirumagal, AP/EEE delivered lecture. In her lecture, she briefed on the challenges involved in optimizing the performance in the face of constraints on communication bandwidth, congestion, and contention for communication resources, delay, jitter, noise, fading, and the management of signal transmission power.



The Department of Computer Science & Engineering & IEEE Student Branch 16621 jointly organized a National Level Technical E-Symposium on 24th September 2021. Ms.J.Gayathri, IV CSE, IEEE student member welcomed the gathering. Dr.S.M.Uma HOD/CSE delivered the welcome address. Dr.J.Arputha Vijaya Selvi, Principal delivered inaugural address and also insisted the participants to make this symposium effectively. Ms.S.Puvaneswari AP/CSE, introduced the Chief Guest. Dr.P.Arockiya Mary, Asso. Prof/IT, V.S.B Engineering College, Karur, delivered Keynote address on Deep Learning. She illustrated the difference between Artificial Intelligence, Machine Learning and Deep Learning. She explained the basics of deep learning concepts and also described how Deep Learning is used in various industries. She concluded her keynote address by listing various types of software that supports smart environment. At the end of inaugural function, Ms.T.R.Dharshini from IV CSE, thanked the gathering. 16 papers were accepted for presentation during the technical session. Mr.S.Rajarajan, Ms.R.Suganthalakshmi, Ms.B.Sangeetha and Mr.M.Arun from CSE acted as Juries. The evaluation based on the presentation, concept and implementation. Other technical events such as Code cracking, Technical Quiz and Photography Event were also conducted through online mode.



Department of Electronics and Communication Engineering & IEEE Student Branch 16621 jointly organized a National level Technical Symposium "eBLAST-2k21" on 24th September 2021. Mrs. D.Vennila, AP/ECE coordinator of the symposium welcomed

the gathering. Mrs. N.Mangaiyarkarasi, Convener and Head of the department offered Felicitation. Dr.J.Arputha vijaya selvi, Principal delivered Presidential Address. Ms.G.LatchayaSri, IV year ECE introduced the chief guest Dr. Chitra Valavan. In her inaugural address, Dr. Chitra Valavan, gave an overview on Nano technology, Robotics and its Automation, Intelligent sensors and Wireless Sensor Networks, MEMS and Telehealth (Wireless Health care monitoring) with an interactive presentation. While concluding, she shared some videos with real time examples for Augmented and Virtual Reality. Ms.D.Sarika, IV year ECE, introduced guest of honor, Er.J.Mahesh. He gave a wonderful talk about the mobile manufacturing Technology and also he provided tricks and tips in hardware field. At last he shared his work experience with the participants. Finally, Mr.P.Rajapirian, AP/ECE, coordinator of this symposium proposed vote of thanks with the words. Thus the Inaugural session ended successfully. 42 papers were presented during the technical session. Other technical events such as Circuit debugging, photography and Connection were organized virtually.



IEEE Student Branch STB 16621 organized Spectrum Talk on Competitive Swarm Optimizer and its application in Optimal DG Planning in Distribution Network on 27.09.2021 for IEEE student members. Ms. S. Aparnaa, Chairman- STB 16621, welcomed the gathering and introduced the resource person. Dr.R.Arulraj, AP/EEE interacted with the students about that use of Optimization algorithms and its applications in planning distribution network. During the session he motivated the students to develop and apply optimization algorithms in real time application in their field of interest. This session was very interactive. Ms. P Shobiga, III year ECE proposed vote of thanks.



Department of Electronics and communication Engineering and IEEE Student branch jointly organized a webinar on Introduction and Interfacing of Sensors with Raspberry on 29-09-2021. Total of 74 candidates registered and 63 participants attended the webinar through Google Platform. Ms. Swati Sharma, IoT Embedded Engineer, Valuecon Pvt Ltd Ghaziabad, Uttar Prasad was the resource person. Ms.K.Gayathiri, Third year ECE welcomed the gathering and introduced the resource person. Ms.Swati Sharma, in her lecture briefed on the following during her presentation. Unique features and application of raspberry Pi, List of GPIO pins, Description of DHT11, Ultrasonic sensor, PIR sensor, Vibration sensor, Interfacing of the above sensors with Raspberry Pi, Real time Image processing using Raspberry Pi and Image recognition application using Raspberry Pi. Also she interacted with the students and clarified their doubts regarding issues in the interfacing. Mr. S. Ramarajan, AP/ECE, proposed vote of thanks.



Department of ECE in association with IEEE STB 16621 organized a seminar on Goal setting for students and how the internship helps themes to achieve their Goal on 16.09.2021. Mr. Leo Fernandez, Vice President- Industry University Linkage & Mr.K.Dinesh Kumar, Head, Software Engineering Department, KIRIROM Institute of Technology, Cambodia was the Resource persons. Mrs.U.Jeyamalar AP/ECE delivered welcomes address. Mr.K.Dinesh Kumar, Head, Software Engineering Dept., KIRIROM Institute of Technology, delivered a talk on "Goal Setting for the Students". In his speech he explained how a student must set goal for their bright full future; he shared the challenges experienced in his own life. Mr. Leo Fernandez, Vice President-IUL, KIRIROM Institute of Technology, delivered speech on "How Internship Students to achieve their Goal", in his speech he briefed on Internship and its importance, also he explained how internship help the students to choose their carrier. He shared the experiences from his institute KIRIROM Institute of Technology, Cambodia. Finally Ms.G.Latchayasri, IV year Student, delivered the vote of thanks. Totally 81 students from ECE department were participated in the webinar.



October, 2021

1. Webinar on IEEE Awards & Scholarships

IEEE student branch of KCE organized IEEE Day Celebration and a Webinar on IEEE Awards & Scholarships on 05th October 2021, 1302 IEEE student members actively participated in this event. Ms. S. Aparnaa, IEEE SB Chair, KCE welcomed the gathering. Ms. G. Divya bharathi, Student member IEEE introduced the resource person to the gathering. Ms. Pooja Sharma, Committee member, IEEE MAS Young Professionals 2021 gave a talk on IEEE Awards & Scholarships. In her lecture, she shared what is IEEE, benefits of being a IEEE volunteer, types of IEEE awards, how to crack the awards and scholarships opportunities. Participants clarified their doubts with the resource person. Ms. S. Aparnaa, IEEE SB Chair proposed vote of thanks. Group photos are taken and submitted to the IEEE day Photo contest. The programme was coordinated by Mr. T. Pasupathi, AP/ECE and Mr. J. Niranjan Samuel, JRF/R&D.



2. Electronic Art

As a part of IEEE Day Celebration, IEEE student branch of KCE organized "Electronic Art (design contest using electronic components)" during 27th September, 2021 to 10th October, 2021. The main objective of the programme is to build creativity among the participants. The participants should create an art using electronic components (R, L and C) and the same is received through Google form. 21 entries were received from various institutions of our region. The programme was coordinated by Mr. T. Pasupathi, AP/ECE and Mr. J. Niranjan Samuel, JRF/R&D.



3. Paper Presentation

Department of Electronics and Communication Engineering and IEEE STB 16621 jointly organized an Intra Department Paper Presentation on the theme "Recent Trends in Electronics and Communication Engineering" on 09th October, 2021. 8 batches of students presented their papers on the theme. Mr. S. Ramarajan, AP/ECE and Mr. T. Pasupathi, AP/ECE acted as juries. The programme was coordinated by Mr. S. Sivakumar, AP/ECE.



4. Webinar on Internet of Energy

Department of Electrical & Electronics Engineering and IEEE STB 16621 jointly organized a webinar on "Internet of Energy" on 09.10.2021 between 11.00 a.m. and 12.00p.m. Mr.R.Sundaramoorthi, AP/EEE welcomed the participants. Mr.J.Arokiaraj, AP/EEE introduced the resource person. Dr. T.Suresh Padmanabhan, Professor/EEE, EGS Pillay Engineering College briefed about Energy scenario, basics of Internet of Things, types of Energy, Elements of IoT and current research areas in Internet of Energy. In addition, he conducted a quiz and activity session during the presentation. At the end he gave ideas for implementing Internet of Things (IoT) in distributed energy systems to optimize the efficiency of energy infrastructure and reduce wastage. At the end of the session, participants interacted with the resource person and clarified their doubts. 92 participants participated and got benefitted. The programme was coordinated by Mr.R.Sundaramoorthi, AP/EEE.



5. Webinar on Importance of Girls' Education

A webinar on "Importance of Girls Education" was jointly organized by Women's Cell, POSH Cell and IEEE Student Branch on 11th October 2021 between 6.00 p.m. and 07.00 p.m. **Dr.Geetha Balachandar,** Associate Professor, Department of Mathematics, RMK College of Engineering Chennai was the resource person.

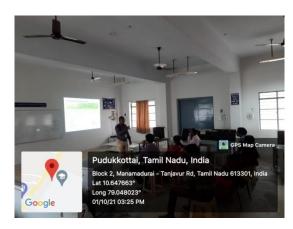
In her lecture, she explained that educating girls saves lives and builds stronger families, communities and economics. She also illustrated the importance of good academic performance and explained self learning –tools for students. She insisted to practice **Brain gym** regularly. By practicing this kind of activity, students can improve their self confidence and gain self esteem. She also interpreted the challenges faced by students and suggested ways to overcome them.

She motivated the students to know about subconscious mind and to practice yoga. She exemplified the need of the sleep and healthy food. Finally she concluded "people with healthy habits are happier, and happy people are found to have healthier habits".



6. Seminar on Energy Management System

Department of Electrical & Electronics Engineering and IEEE STB 16621 jointly organised a seminar on **Energy Management System Using Renewable Energy System** on 01st October, 2021. Mr. J. Arokkiaraj, AP/EEE delivered lecture. In his lecture, he briefed on EMS, concept of energy management. Also he briefed Why EMS is important, How it Helps, Benefits, Advantages and Applications of EMS.



7. Symposium

Department of Electrical & Electronics Engineering and IEEE STB 16621 jointly organised National level Technical Symposium titled "ENIGMA 2k21" on 28th October 2021. Mrs.P.Thirumagal/AP EEE, welcomed the participants on the stream. The Symposium was inaugurated by Mr.R.Raghuraman, Assistant Professor, CK college of Engineering and Technology, Cuddalore and 17 papers were presented. Other technical events viz. Technical Quiz, Puzzles, Connection was also conducted. The Symposium ended with Vote of Thanks by Ms.C.Senthamilarasi, AP/EEE.



8. Webinar on Project based Learning

IEEE STB 16621 and Innovation Cell have jointly organized a webinar on "**Project Based Learning**" on 31st October, 2021 between 03: 00 p.m. and 04:00 p.m. **Ms.M.Kavitha**, Public Speaker was the resource person. The objective of the webinar is to impart in depth knowledge on Project Based Learning to the participants. Ms.S.Anusuya, II Year ECE Student welcomed the participants and introduced the resource person. In her lecture, she introduced the basic concepts of electronics projects, explored the hardware details and working principle of electronics project. She also provided a virtual demonstration of the projects. In this webinar, 35 participants participated and got benefitted. Ms. S. Aparna, IV year ECE student proposed vote of thanks. At the end of the session participants queries were addressed by the resource person. The programme was coordinated by Dr. P. Narasimman, AP/EEE & Mr. T. Pasupathi, AP/ECE.



November, 2021

1. FDP on Smart Grid-Trends And Future Perspective

Department of Electrical and Electronics Engineering organized an IEEE MAS sponsored Faculty Development Program on "Smart Grid- Trends and Future Perspective" on 08th and 09th November, 2021. **Dr.M.Meenalochani**, coordinator welcomed the dignitaries and participants. Dr.J.Arputha Vijaya Selvi, Principal of KCE delivered the Presidential Address. In her address, she highlighted the importance of smart grid and the role of smart grid in India. Dr.N.Kumarappan, Chair, IEEE Madras Section delivered inaugural address. In his address, he appreciated Kings College of Engineering for organizing such a program and welcomed all the enthusiastic participants. He explained the emergence of different types of electric grids such as micro grids, nano grids, super grids and gave an introduction to smart grid technology. He also stated that success of an FDP lies in the dissemination of knowledge gained by faculty to their students in an efficient manner. Session-I was handed by **Dr.M.Venkatakirthiga**, Associate Professor/EEE, NIT, Trichy. She gave an introduction to distributed generation and microgrids. Also she detailed about the architecture and modes of operation of microgrids. She lectured on the concepts of smart grid, its components and a brief introduction to electric vehicles. Session-II was handled by Dr.M.Meenalochani, AP/EEE, Kings College of Engineering. She gave an overview of human intelligence and the concepts of AI. She highlighted the real time examples of AI applications used in websites such as Amazon, Facebook, Netflix etc. where the AI based systems give recommendations to human beings based on their search. Then, she briefed her lecture on different AI techniques such as Artificial Neural Networks, fuzzy logic, computer vision, machine learning, deep learning etc. and detailed on fuzzy logic. She explained in detail about the basics of fuzzy logic, difference between fuzzy and conventional Boolean logic and the similarity between fuzzy logic and human reasoning. Finally, she concluded with the advantages and applications of fuzzy logic in real time.

Session 3 was handled by Dr.R.Arulraj, AP/EEE, Kings College of Engineering. He lectured on the basics of optimization and how to solve any optimization problem. He explained real time applications of optimization problems and the methods for solving those problems. He detailed on the terminology in optimization such as objective function, decision variables, constraints etc. with examples. He provided an in-depth knowledge on formation of objective function for any optimization problem. He gave an introduction to genetic algorithm for solving an optimization problem. Session 4 was handled by was Dr.N.Kumarappan, Chair, IEEE MAS and Professor/EEE, Annamalai University. He delivered his lecture on grid to vehicle integration using hybrid optimization techniques. He clearly explained the bidirectional transfer of power in interconnected systems. The participants were taught about the basics of hybrid optimization algorithm used for vehicle to grid power transfer. The hybrid algorithm utilizes the benefits of Tabu search as well as binary Particle Swarm Optimization. The algorithm aims to reduce the operating cost and emissions and increase the reserving capacity of the vehicle. Mr.T.Pasupathi, AP/ECE and IEEE SB In-charge, delivered Vote of thanks.



2. Webinar on Know about Overseas Recruitment and Studies

A Webinar on Know about Overseas Recruitment and Studies was jointly organized by Alumni Association and IEEE Student Branch 16621 on 13-11-2021, to motivate the students towards overseas placement, studies and recent openings in overseas job market. Mrs.Jayasree Varadharajan, PG Scholar, Satellite Data Science from University of Leicester, England (U.K.) was the resource person, an alumnus of PG VLSI Design 2012-14 Batch. Mr.P.RajaPirian, Vice President, Alumni Association welcomed the resource person and participants. Ms.G.DhivyaBharathi, IV year Computer Science and Engineering student and IEEE Student Member introduced the resource person. She initiated her lecture, why overseas job and what are the benefits of overseas studies, she explained the expectations from fresher's for overseas recruitments and how internship helps to achieve overseas job. She elaborated the necessity of language proficiency tests like IELTS Academic, TOFEL, PTE Academic and GRE. She also explained how students have to choose their career and gave guidelines for availing scholarships provided by Universities. She listed top 10 study destinations in the world and concluded with UK education system and the procedure to get admitted. During the interaction session, many participants clarified their queries. Totally 90 students participated in the webinar. Mr.P.Raja Pirian, delivered the vote of thanks.



3. Technical Puzzles - Electrical Engineering

Department of Electrical and Electronics Engineering and IEEE STB 16621 jointly organized **Connection** for first year students to build their practical knowledge in the field of Electrical Engineering on 15.11.2021. The event was useful to the participants in knowing about words related to Electrical Engineering through a picture. As we naturally remember visual cues better than words, the participants would have gained more knowledge. **Dr.M.Meenalochani**, AP/EEE coordinated the event.



4. Seminar on Personality Development - Leadership qualities and Effective Learning Practices

Department of Electronics and Communication Engineering and IEEE Student Branch 16621 jointly organized a seminar on **Personality Development** - **Leadership qualities and Effective Learning Practices** on 17.11.2021. **Mr. P. Raja Pirian**, AP/ECE delivered lecture. In his lecture, he briefed on leadership qualities, leadership skills and negative effects of social media. He concluded his lecture with the saying, Good Personality arises from a healthy body and healthy mind and it is possible through several paths: paths of service, intellectual analysis and devotion or meditation.



5. Awareness talk about IEEE Student Membership Awareness and Benefits

Department of Computer Science and Engineering and IEEE SBC 16621 had organized awareness talk on "IEEE Student Membership Awareness and Benefits" on 17.11.2021. Mr. S. Puvaneswari, AP/CSE delivered the talk. In her lecture, she listed the benefits of IEEE Student and how students can enrich their knowledge through IEEE. This event gave information about how to get Network with other technology professionals and create a group to share and collaborate on recent technological developments. Mrs. R. Suganthalakshmi, AP/CSE coordinated the event.



6. Seminar on Generation of Power using Gravity

Department of EEE and IEEE STB 16621 jointly organized a Seminar on **Generation of Power using Gravity** on 17.11.2021. **Mr. S. R. Karthikeyan**, AP/EEE delivered lecture. In his lecture, he discussed merits and demerits of various renewable energies and also explained the importance of gravity based power generator. He pointed out the recent research about gravity based power generation in the name of perpetual motion. In his presentation, he listed that as per the statistics of Ministry of Power, Government of India, as on 14.03.2021, 53% of coal and 24.5% of renewable energy sources are used for power generation. Also, he presented the merits of gravitational based power generation system and gravitational energy is uniform, continuous and independent of atmospheric conditions and geometrical areas.



7. Student Activity Committee meet

IEEE SB organized **Student Activity Committee meet** on 30th November, 2021 from 06.30 p.m. to 07.30 p.m. Ms. S. Aparnaa, Chairman welcomed the gathering and deliberated the Agenda. In this meeting, IEEE members discussed about the events to be organized and shared their views for the upcoming year.

Mr. T. Pasupathi, AP/ECE and incharge of SBC-16621 insisted members to participate in other SB's and section events and to work on projects and scientific papers. Around 20 participants participated in the meeting. Ms. S. Aparnaa coordinated the meet.



December, 2021

1. IEEE Student Branch organized Technical Quiz Series – 02 "Electronics" on 01st December, 2021 in Physical mode. This contest was conducted to test the understanding of the student in core subjects. There were totally two rounds, one is preliminary round with twenty five sets of multiple choice questions and three teams were selected for final round. Final round was a Circuit Debugging Round. Appreciation certificates were provided to the top performers. The event was coordinated by Mr. T. Pasupathi, AP/ECE & Mr. S. Sivakumar, AP/ECE.



2. Department of EEE & IEEE STB jointly organized Internal Seminar on "Optimal Installation of Multiple DG Units Using Competitive Swarm Optimizer (CSO) Algorithm" for faculty members on 08.12.2021. Dr. R. Arulraj, AP/EEE, KCE delivered lecture. In his presentation, he discussed the importance of evolutionary algorithm in the field of Power System Engineering. He explained the importance of Competitive Swarm Optimizer algorithm which is an enhanced and modified version of Particle Swarm Optimization algorithm. He pointed out the drawbacks and weakness in Particle Swarm Optimization algorithm and how it is eliminated in the improved version of Competitive Swarm Optimizer algorithm while solving large scale optimization problems. Finally he demonstrated the application of Competitive Swarm Optimizer algorithm in solving large scale optimization problems in different Engineering domains. At the end of the session faculties asked questions regarding implementation of Competitive Swarm Optimizer algorithm in different areas of Power Engineering

and also expressed their willingness to publish research papers using Competitive Swarm Optimizer algorithm in near future.



3. Internal seminar for the faculty of Electrical and Electronics Engineering Department was conducted on 08.12.2021 from 3.30 P.M to 4.30 P.M in Electrical Machines Lab. Dr. A. Albert Martin Ruban, Professor/EEE delivered the lecture on the topic "Distributed Energy Trading in Smart Grid Over Directed Communication Network". He explained about distributed solution for energy trading in smart grid with voltage and congestion management. He also presented about the energy trading formulated with a distributed consensus algorithm to optimize both generation and demand-side cost functions based on incremental cost. The paper is mainly focused on an efficient consensus based distributed ET algorithm and it was designed over the least number of directed communication links considering voltage and congestion management. The effectiveness of the ET algorithm was justified through Simulations in IEEE 14, 39 and 69-bussystems.



4. Internal seminar for the faculty of Electronics and Communication Engineering Department was conducted on 16.12.2021 from 3.00 P.M to 4.00 P.M in ECE Smart Classroom. Mr. T. Pasupathi, AP/ECE delivered the lecture on the topic Design of higher order tip-tilt mitigation system using wavefront sensorless Adaptive optics system in Terrestrial Free Space Optical Communication. In his presentation he briefed the introduction, features and applications of Free Space Optical Communication system. Also he explained the design of FSOC transmitter, receiver and the challenges faced during the design of FSOC system.



5. As a part of Energy Conservation week, IEEE student branch of KCE organized a programme on **Energy Conservation** on 21st December, 2021 between 11:00 a.m. and 12:00 noon in hybrid mode at ECE Smart classroom. **Mr. S. Alexander**, Assistant Engineer, Tamil Nadu Public Works Department, Thanjavur was the resource person. **Mr. T. Pasupathi**, AP/ECE & Incharge IEEE STB 16621 welcomed and introduced the resource person. Mr. S. Alexander, in his lecture briefed about the strategies involved in effective utilization of electrical energy. Also he discussed on energy conservation from electrical perspective, power factor calculation and correction techniques. While concluding his lecture he listed the features of APFC panel. Mr. Thirumurugan, IV year ECE student proposed vote of thanks. 36 students participated and got benefitted. The event was coordinated by Mr. T. Pasupathi, AP/ECE & Mr. J. Niranjan Samuel, JRF/ECE-R&D.



6. Department of Electronics and Communication Engineering, has organized a one day workshop titled "Skill Sets for Electronics Engineers in Core Field" on 24th December 2021. Totally 80 students have enthusiastically participated in this workshop. Ms. G. Latchayashri, student of final ECE, welcomed the gathering Mrs.N.Mangaiyarkarasi, HOD/ECE delivered the felicitation address and emphasized that, this workshop will provide more knowledge about the various technical skills and the future scope for electronics engineers. Ms.K.Gayathri, student of third ECE introduced the chief guest. Mr.S.Dinesh Sundar, Alumni of Kings, Software Developer, VVDN Technologies, Gurugram, Harvana was the resource person. In his lecture, he gave an overview about the various technical skills and various job opportunities in embedded systems. How to get prepared for the interview? To face the interview, what are the main technical skills and languages needed? What are the companies available to work in our core field? What are the opportunities and ways to Electronics core Industry?. Finally he told that, many vacancies are there in the core sector. Finally, Event coordinator Mr.P.Rajapirian, AP/ECE delivered the vote of thanks.



7. Department of Computer Science & Engineering and IEEE Student Branch jointly organized internal staff seminar on 30.12.2021 from 3.15 p.m. to 3.45 p.m. at Smart Classroom. Dr.D.Sivakumar, AP/CSE delivered lecture on the topic "Trustaware energy-efficient stable clustering approach using fuzzy type-2 Cuckoo Search optimization algorithm for wireless sensor networks". He explained how the cuckoo behaved in real time likewise the cluster head will be chosen. The node which has the high energy becomes the cluster head. To choose the node as cluster head, various parameters will be considered.



January, 2022

1. Write-on

NDLI Club & IEEE Student Branch jointly organized **'Write-on'** during 02nd January, 2022 to 08th January, 2022. The topics given for the contest are Power Scenario in Tamil Nadu-2021, Water Crisis in Tamil Nadu and Solution, Industrial Development in Tamil Nadu and Human Resource Development Initiatives in Tamil Nadu. 32 students participated and submitted their presentations through Google forms. The programme was coordinated by Dr. S. Sivakumar, Advisor / IEEE STB, KCE & Mr. J. Srinivasan, Librarian.

2. Awareness Talk on **Empowering Youth as a Promising Leader**

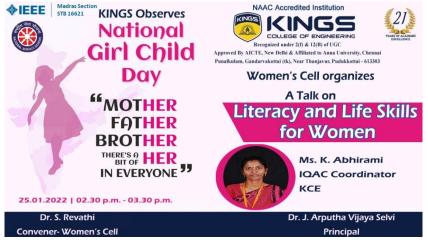
On 12th January on the birthday of Swami Vivekananda, as a mark of befitting respect to Swami Vivekananda, YRC, RRC & IEEE STB of our college, jointly organized an Awareness Talk on **'Empowering Youth as a Promising Leader'**. The event began with the welcome address by Mrs.T.Gnanajeya, Academic Coordinator. This was followed by a speech from Dr.S.Sivakumar, Vice Principal / Advisor – IEEE STB and Dr.J.Arputha Vijaya Selvi, Principal & IEEE SBC elucidated the importance of Swami Vivekananda's teachings in the fast paced

life of today's youth. **Mr.B.Ashvanth**, Technology Analyst, Infosys, Treasurer, IEEE Madras Young Professionals, delivered lecture on **'Empowering Youth as a Promising Leader'**. The Guest was introduced to the participants by Mr.G.Dinesh, YRC/RRC Coordinator. Mr.B.Ashvanth discussed the meaning of real success which is attained only when we do something meaningful in our lives and derive pleasure from deeds and not just money. In this context he also talked of social entrepreneurship and gave several examples as well. His talk was interesting filled with real examples. Mr.P.Jaya Prasad, YRC Volunteer, delivered vote of thanks.



3. Talk on Literacy and Life Skills for Women

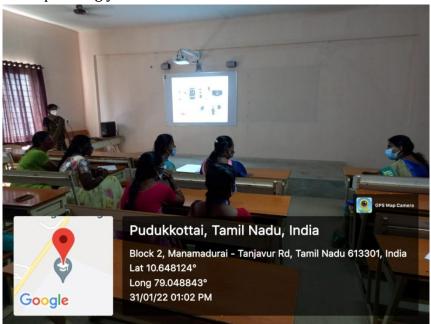
National Girl Child Day is observed on 24th January every year, in this context a talk on **Literacy and Life Skills for Women** was organized on 25th January, 2022. Dr. S. Revathi, convener/Women's Cell welcomed the gathering and introduced the resource person. Ms. K. Abhirami, IQAC coordinator, KCE delivered lecture. In her lecture, she highlighted the "FIRST WOMEN" in various fields and "WOMEN WHO CHANGED THE FACE OF INDIA". While concluding she stressed on the "Women Empowerment" and participants were motivated for better aspirations.



4. Seminar on IoT based Application in Healthcare Devices

Department of Computer Science & Engineering and STB 16621 jointly organized a seminar for faculty of CSE department on 31.1.2022. Ms.R.Shanthi, AP/CSE

delivered lecture on "IoT based Application in Healthcare Devices". She explained the architecture of HIoT and technologies involved in HIoT. She described the services and the applications of HIoT. She concluded the seminar with challenges and issues in HIoT technologies to provide smart healthcare application in upcoming years.



February, 2022

1. Circuit Debugging

Department of Electronics and Communication Engineering and IEEE STB 16621 organized Circuit Debugging through Google forms. This contest was conducted to test the understanding of the student in core subjects. There were twenty five multiple choice questions. Mr. S. Santhosh, Kongu Engineering College secured first position, Ms. R. Jothika, Kings College of Engineering secured second position and Ms. K. jeyasri, Sri Bharathi Engineering College for Women secured third position. The event was coordinated by Mr. P. Raja Pirian, AP/ECE, Mr. S. Sivakumar, AP/ECE and Ms. S. Aparnaa, SB Chairman, STB 16221. 50 students participated and got benefitted.



2. Preparatory Workshop and Meeting for NBA

IEEE STB organized a "Preparatory Workshop and Meeting for NBA" under the aegis of AICTE Margadarshan scheme by experts from its mentor **institute NIT, Trichy.** For the Preparatory workshop, expert team members Dr.M. Venkatakirthiga, Associate Professor, Dept. of EEE, Dr.M. Brindha, Assistant Professor, Dept. of CSE, Dr.G.Lakshmi Narayanan, Professor, Dept. of ECE, Dr.R.K.Kavitha, Assistant Professor, Dept. of ECE, Dr.T.Ramesh, Associate Professor, Dept. of Mechanical Engineering and Dr.N.Siva Shanmugam, Associate Professor, Dept. of Mechanical Engineering addressed each group. During the workshop, experts highlighted on NBA criterionwise strengthening aspects. Meeting the criterion parameters, filewise suggestions were also made programmewise by the expert team criterionwise strengthening aspects to meet NBA accreditation leading to improvement in respective academic process. **Dr.J.Arputha Vijaya Selvi,** Principal & IEEE SBC, KCE offered felicitations. **Dr.S.Sivakumar**, Vice-Principal, HODs and faculty members participated in the programme. Department HoDs, IQAC Coordinator, IQAC member of the department and staff members attended the workshop and audit session.



3. Women and Adolescent Health

Women's Cell and IEEE STB 16621 organized a webinar on "Women and Adolescent Health" 12th February 2022. Dr. S. Revathi, convener women's cell welcomed and introduced the resource person. Dr.S.Jesintha, Paediatrician, Thanjavur was the resource person and explained about health, Positive health, Action Bundles for adolescent health problems and risk, adolescent screening recommendations and healthy development of adolescent. This webinar created awareness among the students on adolescent health problem, risks and interventions to prevent high-risk behaviors and promote adolescent health.



4. Handling Customers with Care

The Department of Training and Placement and IEEE STB 16621 jointly organized a session "Handling Stakeholders with Care" on 14th February 2022 for imparting knowledge to the staff members in order to help them to develop professional attitudes needed for dealing with institute stakeholders. Dr. K. Sudhakar and Mr. B. Sureshbabu spoke on the significance of attitude when dealing with stakeholders to make them satisfied. Dr.K. Sudhakar urged the participants to follow the rules and regulations of our institute to serve stakeholders properly. Similarly, Mr. B Sureshbabu pointed out the need for non-teaching employees to develop their skills and attitudes to provide service to stakeholders to the best of their abilities. Finally, participants interacted effectively with resource persons and feedback was collected.



5. Integrating PCE Activity in Classroom Teaching

Two day FDP on "Integrating PCE skills into Classroom Teaching" was jointly organized by IEEE STB 16621 and IQAC, KCE on 16th and 17th February, 2022. Ms.K.Abhirami, IQAC Coordinator welcomed the gathering and briefed on the objective of the FDP. Dr. J. Arputha Vijaya Selvi, Principal and SBC- IEEE STB presided over the FDP and delivered inaugural address. Dr.S.Sivakumar, Vice Principal and Advisor/IEEE STB delivered special address. Demonstration on "KAHOOT APP" was given by Mr.M.ASWIN, AP/MECH. Various team activities such as mind mapping, brain storming and Rapid fire session were organized.

Mrs.K.Abhirami, delivered lecture on PCE skills. Later, Mrs.R.Sugantha lakshmi, AP/CSE explained about Quizalize software, Mr.K.Arun, AP/CIVIL explained about J Cross software and Mrs.D.Vennila, AP/ECE explained about EDMODO software. During the FDP Dr.J.Arputha Vijaya Selvi, Principal and Dr.S.Sivakumar, Vice Principal interacted with the faculty members. Mrs.K.Abhirami concluded the FDP with her closing remarks. At the end of the FDP, certificates were issued to all the participants. Best team - Runner up, Best team - Winners and Best Performer Award were issued.



6. Winter Crash Course

Department of Electronics and Communication Engineering and IEEE STB 16621 organized 30 hours Winter Crash Course on **Embedded C Programming** from 16.02.2022 to 25.02.2022 in offline mode. Sessions were handled by Mr. T. Jeyaseelan, AP/ECE, Mr. T. Pasupathi, AP/ECE and Mr. P. Rajasekar, V3 Technologies, Thanjavur. During the course hands-on-session was provided by V3 Technologies.



7. FDP on Moodle Learning Management System

Internal Quality Assurance Cell & IEEE STB organized Faculty Development Programme on "Moodle Learning Management System" in Association with IIT Bombay sponsored by MHRD enhancing FOSS skills of our faculty members was organized on 26.02.2022. Moodle is a learning platform designed to provide

educators, administrators and learners with a **single robust, secure and integrated system** to create personalised learning environments. Moodle delivers a powerful set of learner-centric tools and collaborative learning environments that empower both teaching and learning. Total of 74 faculty members participated in the FDP and got benefitted.



8. National Science Day Celebrations

In view of National Science Day'2022, R&D Section in association with Department of Science & Humanities, IEEE Student Branch and MoE – IIC organized **Sir C.V. Raman Science Expo 2022** on 28.02.2022. Dr. R. Rajendran, Secretary inaugurated the expo in the presence of Dr. J. Arputha Vijaya Selvi, Principal & IEEE SBC 16621. More than 10 models were exhibited by the students. A panel of juries evaluated the exhibits on various criteria. Faculty and students visited the expo and gained knowledge. Best three projects were awarded with cash prize and certificates. Participation certificate was provided to all participants. Dr. R. Suresh, AP/Mathematics and Mr. T. Pasupathi, AP/ECE coordinated the event.



March, 2022

1. Awareness on Energy Audit

Energy Club in association with IEEE STB 16621 organized an Awareness Programme on Energy Audit on 04th March, 2022. Dr. S. Sivakumar, Vice Principal & Advisor IEEE STB 16621 delivered welcome address and introduced the resource person. Dr. S. Sivarasu, Lead Auditor, Ram Kalam – Centre for Energy Consultancy & Training, Coimbatore delivered lecture. In his lecture, he briefed on predicting the energy consumption, need for energy audit and its advantages and preventive measures to reduce energy consumption. At the end of his lecture, a few case studies were discussed. The event was coordinated by Mr. J. Arokkiaraj, AP/EEE.



2. Talk on Successful Women Entrepreneur

Women's Cell in association with IEEE STB 16621 organized a guest lecture on "Successful Women Entrepreneur" on 08th March 2022. Mrs.Rajeswari Ravikumar, Suga Diet Natural Foods, Thiruvaiyaru was the resource person. In her lecture, she explained that reading books apart from subject will help to overcome negative comments from our society. Confidence is very essential to become successful person in any field. Dr. J. Arputha Vijaya Selvi, Principal and IEEE STB SBC presided over the function and delivered presidential address.



3. Alumni Talk on Preparedness towards Core Opportunities

Department of ECE in association with IEEE STB 16621 organized an Alumni Talk on 18th March, 2022. Mr. S. Aparnaa, IEEE Student Branch Chairman

delivered welcome address and introduced the resource person. Ms. L. Mowli, Director, Taste of English, Thanjavur was the resource person. In her lecture, she briefed on Scope in the Job market viz. Competitive Exams, MNC Banks, Corporates, Entrepreneurship, Personal Branding etc and certification courses for enhancing resumes. Also she gave general Tips on Life and Savings and Self Introduction Hacks. The programme was coordinated by Mr. S. Sivakumar, AP/ECE.



4. Seminar on Smart Grids

Department of Electrical and Electronics Engineering in association with IEEE STB 16621 organized a seminar on Smart Grid - Revolutionizing our Energy Future. In his lecture, he addressed on the Smart Grid, Smart Grid - Basic Concepts, Smart Grid Attributes, Advanced Metering Infrastructure and Advanced Components and Subsystems. While concluding his presentation, he briefed on the Future Electric Grid.



5. Webinar on How to approach Corporate Companies for Jobs

Department of Training and Placement in association with IEEE STB 16621 and IIC organized a webinar on How to Approach Corporate for Jobs on 25th March, 2022. Dr. Girish Jakhotiya, Chief Consultant, Jakhotiya & Associates and Former Professor, JBIMS, Mumbai was the resource person. Dr. S. Sivakumar, Vice Principal & Advisor IEEE STB 16621 delivered welcome address and introduced the resource person. Dr. Girish in his lecture briefed on Communication, establishing network with domain experts, gain problem

solving and analytical skills. Mr. B. Suresh Babu, AP/T&P delivered vote of thanks.



April, 2022

1. Seminar on PI Controlling of Air Conditioning System

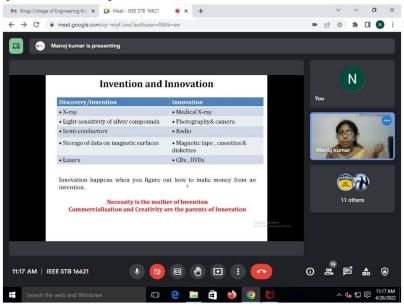
Department of Electrical and Electronics Engineering in association with IEEE STB 16621 organized a seminar on **PI Controlling of Air Conditioning System** on 28.04.2022. Mr.S.R.Karthikeyan, AP/EEE delivered lecture. In his lecture, he briefed on the development of a new adaptive PI controller for use in HVAC systems. Also, he described that process of HVAC control can be described as a first order plus dead time model. A kind of arithmetic of Recursive Least Squares (RLS) with exponential forgetting combined with model matching of a zero frequency method is adopted to estimate the model's parameters while the system remained in closed loop. A simple tuning formula for a PI controller with robustness based on the estimated parameters is used to adjust the controller's parameters automatically while under closed loop.



2. Seminar on Intellectual Property Day

Research and Development section in association with IEEE STB 16621 and Institution's Innovation Council has organized a seminar on "World Intellectual Property Day" on 26th April, 2022. The objective of this webinar is to impart in depth knowledge on Patents, trademarks and copyrights. Mrs.D.R.Saranya, AP/CSE, KCE welcomed the participants and Ms.K.Elakkiya, AP /Civil Engineering, KCE introduced the resource person. In this lecture, she clearly

explained about patent, types of patent and the difference between patent and copyright. Her lecture clearly depicted how to identify problems, idea/solution for a problem and the methodology of developing a product/service for the problem. She also explained how to patent the developed product/service. In this seminar, 220 participants from various Institutions including the internal participants participated and got benefitted. Participant's queries were addressed by the resource person at the end of the session.



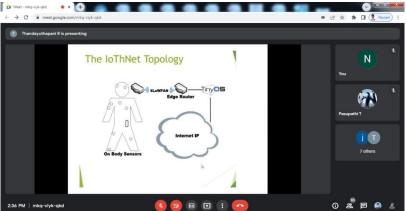
3. Seminar on Internet of Federated Things

Department of Electrical and Electronics Engineering in association with IEEE STB 16621 organized a seminar on 29.04.22. Dr.M.Meenalochani, AP/EEE delivered lecture. In her lecture, she illustrated that Unmanned Aerial Vehicles (UAVs) have recently received significant attention by the civilian and military community, mostly due to the fast growth of UAV technologies supported by wireless communications and networking. Also, UAVs can be used to improve the efficiency and performance of the Internet of Things (IoT) in terms of connectivity, coverage, reliability, stability, etc. In particular, to support IoT applications in an efficient manner, UAVs should be organized as a Flying Ad-hoc NETwork (FANET). FANET is a subclass of Mobile Ad-hoc Network (MANET) where nodes are Unmanned Artifact Systems (UAS). However, the deployment of UAVs in IoT is limited by several constraints, such as limited resource capacity of UAVs and ground devices, signal collision and interference, intermittent availability of the IoT infrastructure, etc.



4. Seminar on IOT in Agriculture Applications using Wireless Sensor Network

Department of Electronics and Communication Engineering in association with IEEE STB 16621 organized a seminar on **IOT in Agriculture Applications using Wireless Sensor Network** on 22.04.2022. Mr. R. Thandayuthapani, AP/ECE delivered lecture. In his lecture, he briefed that Internet of Things (IoT) is a potential technology which provide quality service using sensors and devices in the health and environment sectors. This seminar aims to apply optimization algorithms for optimizing IoT-based network deployment through the use of wireless sensor networks (WSNs). In his presentation, in the first part WSN deployment research studies in health and environment applications are reviewed including fire monitoring, precise agriculture, telemonitoring, smart home, and hospital. In the second part, the WSN deployment process is modeled to optimize the lifetime of sensors. Finally the performances of the algorithms are compared for the evaluation of WSN deployment in health and environment applications.



5. Mini Project Expo

Department of Computer Science and Engineering in association with IEEE STB 16621, Coding Club and Multimedia Club organized Mini Project Expo on 29.04.2022. The main objective of the expo was to create the awareness among the students about software projects. 20 projects were exhibited in the expo. The contest was inaugurated by Dr. J. Arputha Vijaya Selvi, Principal / IEEE Student Branch Counselor and Dr. S. Sivakumar, Vice Principal / Advisor – STB, KCE. The exhibits were evaluated by three member panel and marks were awarded based on various criterions. First Prize was won by M. Suriya Prakash

and Mr. S. Ajay for the project titled "Gate Pass for Academic Management System", second prize was won by Mr. D. Deepak kumar and Mr. G. Krishna kumar for the project titled "Attendance Management System" and third prize was won by Mr. A. Mohammed Asick and Mr. K.P. Kumaresan for the project titled "Kings Restaurant". The event was coordinated by Mr. S. Rajarajan, AP/CSE and Mr. M. Arun, AP/CSE.



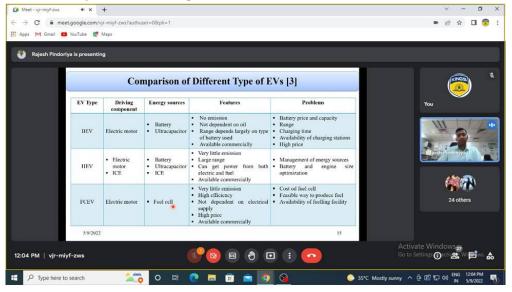
May, 2022

1. Expert Talk on Seminar on Evaluation of Electric Vehicles, Future Challenges & Opportunities

Research and Development section in association with IEEE STB 16621 has organized an Expert talk on "Evaluation of Electric Vehicles, Future Challenges & Opportunities" on 09th May, 2022 in view of National Technology day. The objective of this talk is to impart in depth knowledge on Electric Vehicles, Challenges during the design and Opportunities. Ms.S.Aparnaa, Final Year ECE / IEEE SB Chairman welcomed the participants and Ms.K.Gayathri, Third year ECE / SM IEEE introduced the resource person. Dr. Rajesh M. Pindoriya, Project Engineer at IIT Mandi, India, delivered lecture. In his lecture, he covered the following topics,

- Working of Electric Vehicle
- Electric Vehicle hardware Fundamentals of motor components and its functioning,
- Communication and coordination
- Electric vehicle supply equipment (EVSE) standards
- EV battery and fire safety standards
- Installation and EV equipment issues
- Practical Demonstration of EV charging components, motor
- Challenges & Opportunities in EV sector

In this seminar, 167 participants from various Institutions including the internal participants participated and got benefitted. Participant's queries were addressed by the resource person at the end of the session.



<u>Iune, 2022</u>

1. Seminar on Implementation of fruit quality classification application using AI Algorithm

Department of Computer Science & Engineering and IEEE Student Branch of jointly organized internal staff seminar on 02.6.2022. Ms.S.Priyadhashini, AP/CSE delivered lecture on the topic "Implementation of Fruit Quality Classification Application using AI Algorithm". She explained the current issues to detect the quality of a fruit. She described an algorithm called "You only look once - (YOLO)-V3" which is used to track the quality of a fruit by tracking the image, size, height and size of a fruit. She concluded the seminar that the authors applied the Tiny - YOLO neural network model to perform object detection and compared several other models in terms of structural performance.



2. National Conference on Communication, Networking and Intelligence (NCCNI'22)

The Department of Electronics and Communication Engineering in association with IEEE STB 16621 organized National Conference on Communication, Networking and Intelligence (NCCNI'22) on 10th June 2022. Mrs.N.Mangaiyarkarasi, Head of the Department, Electronics and Communication Engineering delivered welcome address. Mr.T.Pasupathi, organizing secretary introduced the Chief Guest. Conference proceedings were released by Chief Guest. Dr. Joe Louis Paul, Assistant Professor/Information Technology, SSN College of Engineering, Chennai was the chief guest and delivered lecture on the theme of "Living and Computing on the Edge - An **Overview of Federated Learning**". 26 papers were presented during the technical session Mr. T. Jayaseelan and Mr. P. Raja Pirian acted as juries for the presentation.



3. National Conference on Flourishing Areas in Electrical and Electronics Engineering (NACOFEE'22)

Department of Electrical and Electronics Engineering in association with IEEE STB 16621 organised National level Conference titled NACOFEE'22 on 10th June 2022. Dr.A.Albert Martin Ruban, HOD/EEE & Convenor of NACOFEE'22 delivered welcome address. The Presidential address was delivered by Dr.J.ArputhaVijayaSelvi, the Principal & IEEE SBC, KCE. Dr.P.RAJA, Associate Professor, Department of EEE, NIT, Trichy, was the chief guest and delivered the keynote address. In his address, he lauded the Management and the academic administration of the institute for hosting a National Conference. He insisted that Electrical Engineering is a prestigious branch and also a toughest branch. He also gave a presentation on how electrical engineering has flourished over the areas and gave a deeper insight on the importance of automation in electrical engineering. Furthur, he demonstrated the importance of artificial intelligence and machine learning in the domain of Electrical Engineering. It was an educative experience which offered the audience a rare opportunity to get a glimpse on the key note topics. A total of 36 papers were presented during the conference.



4. National Conference on Recent Advancements in Computers & Communication Technologies (NCRACCT'22)

The Department of Computer Science & Engineering in association with IEEE STB 16621 organized National Conference on Recent Advancements in **Computers & Communication Technologies** (NCRACCT'22) on 10th June 2022. Dr.S.M.Uma, Department welcomed Head of the the Ms.R.Suganthalakshmi, AP/CSE spoke on the conference highlights and Ms.G.Chandra Praba, AP/CSE introduced the chief guest. Proceedings of the Conference were released by the chief guest and the first copy was received by our Principal. Ms.G.Archana, Application Developer, Accenture, Chennai delivered keynote address on "Career Exploration for Budding Engineers". She highlighted on the essential skills that a student should possess for a better career and also she spotted the current industry expectations and the trending job profiles. She shared the interview process involved in various industries and also revealed the tips and tricks for clearing the interviews. She suggested the websites that are useful for interview preparation and also highlighted the importance of creating effective resume. At the end of inaugural function, Ms.G.Chandra Praba, AP/CSE, proposed vote of thanks. 24 papers were Dr.S.M.Uma. technical session during the Ms.K.Abhirami, presented Mr.S.Rajarajan, Ms.S.Puvaneswari acted as a Jury for the presentation. The evaluation was based on the presentation, concept and implementation and the answers given to the queries. After the technical session, the participants shared their feedback about the conference. Certificates were distributed to the participants.



5. KINGS Project Expo' 22

Research and Development Section, Kings College of Engineering in association with IEEE STB organized Kings Project Expo'22 on 15th June, 2022. **Dr. D. Kumar**, Professor, Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur delivered keynote address and inaugurated the expo. Dr. J. Arputha Vijaya Selvi, Principal delivered Presidential Address. Dr. S. Sivakumar, Vice Principal offered felicitations. Dr. D. Kumar and Dr. R. Rajendran, Secretary, Kings College of Engineering visited the labs where projects were showcased. A total of 57 projects were showcased and were reviewed by a panel of juries on various criteria and the best project from each stream were shortlisted and awarded with cash prize and certificates. All the arrangements were made by Research and Development Section of the institute.

