ACTIVITIES CONDUCTED BY IEEE STUDENT BRANCH – 2022

The following events were conducted by IEEE SMVEC – Student Branch

Sl. No	Organized Department	Topics discussed	Resource Person	Date	Target Audience
1.	EEE	Guest lecture on "Hardware in Loop for Embedded Controllers"	Mr.Selvakumar.S, Senior Engineer, Qualcomm, Bangalore	30.12.2022	164 students participated from Electrical and Electronics Engineering
2.	EEE	One day workshop on "PLC and SCADA"	Mr.Bhuvaneshwaran.R, Engineer – SITRAIN, SIEMENS	19.12.2022	164 students participated from Electrical and Electronics Engineering
3.	IT	Guest Lecture on "Technical Skills to crack the Placements"	Mr.Yuhan Praveen, Software Developer, ZOHO, Chennai.	17.12.2022	120 students participated from Information Technology
4.	CSE	Webinar on "Applications of python programming"	Dr.N.Sivakumar, Assistant Professor, Department of CSE, Puducherry Technological University, Puducherry.	17.12.2022	80 students participated from Computer Science Engineering
5.	CCE	Guest Lecture on "Interactive Animation-Animate CC"	Mr.T.Kathiravan, Game /Web Development, Freelancer, Puducherry.	17.12.2022	57 students participated from Computer and Communication Engineering
6.	EEE	Idea Presentation – Mini Project Contest	**Scrutiny Committee** Dr.S.Ganeshkumaran, Associate Professor, EEE Mr.K.Thangaraj, Assistant Professor, EEE Mr.N.Balaji, Assistant Professor, CSE Mr.B.Vijayakumar, Assistant Professor, IT Mrs.N.Kalaiselvi, Assistant Professor, IT P.Mahendra Peruman, Assistant Professor, ECE Mr.J.Jeevanandham, Assistant Professor, ICE	12.12.2022	108 Teams participated from EEE, ECE, CSE, IT

7.	CCE	Guest Lecture on "Cyber Security"	Mr.S.Sudeep, Community moderator, Oracle Technology, Bengaluru.	03.12.2022	105 students participated from Computer and Communication Engineering
8.	BME	Guest lecture on "Application of Programmable Devices"	Mr. A. Aashiq Ahamed, Managing Director and Chief Trainer – Bistate Systems, Puducherry.	03.12.2022	83 students participated from Biomedical Engineering
9.	IT	Guest Lecture on "Insights on Data Structures"	Mr.K.Rohith,Senior Software Developer, Poshmark India Private Limited, Chennai.	19.11.2022	120 students participated from Information Technology
10.	IT	Guest Lecture on "Modernization of Application Development"	Mr.V.Hariram, Senior software Engineer, Fullstack Developer, Financial Software Systems, Chennai	19.11.2022	105 students participated from Information Technology
11.	ICE	Guest lecture on "Programmable Device"	Mr.A.Ashiq Ahamed, Managing Director and Chief Trainer, BYASTATE SYSTEMS	06.08.2022	105 students participated from Instrumentation and Control Engineering
12.	BME	Guest lecture on "Management of Hospital Equipment"	Mr. D. Murugan, Senior biomedical engineer – VM Biomedical Training Academy, Chennai	06.08.2022	83 students participated from Biomedical Engineering
13.	EEE	Webinar on "History and Recent Trends on Microcontroller"	Mr.S.Selvakumar, Senior Engineer, Qualcomm, Bangalore	05.08.2022	88 students participated from Electrical and Electronics Engineering
14.	ECE	Workshop: "Hands on Training on Mobile Servicing"	Mr.S.Kishore, Mr.A.Iyyappan,Mr.SyedSaif (Hardware and Software Technican) JSR Mobiles, Puducherry.	03.08.2022	214 students participated from Electronics and Communication Engineering
15.	CSE	Webinar on "Artificial Intelligence and Machine learning"	Dr.V.J Chakravarthy, Principal, Arulmigu kabaliswarar Arts and science college, Chennai	30.07.2022	170 students participated from Computer Science Engineering
16.	IT	Webinar on "User Interface (UI)/User Experience (UX) Design"	Mr. Thivagar Natesh, Senior UI Designer at HackerEarth	23.07.2022	180 students participated from Information Technology

17.	EEE	Simplif-i "A 2-Day Boot Camp"	Shri. V. Vishnu Varadan, CEO – Atal Incubation Centre, Pondicherry Engineering College Foundation	07.07.2022 to 08.07.2022	53 students participated from various departments
18.	IT	Guest lecture on "Recent Industry Trends in Information Technology"	Dr. S. Behin Sam – Assistant Professor, Dept. of Computer Science, Dr.Ambedkar Government Arts College (Autonomous)	28.04.2022	65 students participated from Information Technology
19.	EEE	Innovation Challenge Contest 2022 (ICC'22)	**JURY MEMBERS** 1. Mr. R. Mananathan, Chairman, Manatec Pvt., Ltd., Puducherry 2. Mr. V. Vishnu Varadan CEO Atal Incubation Centre – PEC Foundation 3. Mr. Megavarman Entrepreneur, Margronic Contrivance Pvt. Ltd, Puducherry 4. Mr. K. Ganesh Software Engineer, TCS.	12.04.2022	560 students participated from various departments
20.	ECE	Seminar on "Introduction to e-Publishing"	Mrs.M.Abarna, Senior Project Manager, Straive (SPi Global), Puducherry.	09.04.2022	120 students participated from Electronics and Communication Engineering
21.	IT	Webinar on "Web 3.0"	Mr. R. Logesh - Technical Lead, Kalajitha IT Solutions,Bangalore	09.04.2022	60 students participated from Information Technology
22.	ICE	Hands on Training on IoT Applications	Mr.Lokeshwaran, Managing Director, YM Automation Private Ltd, Coimbatore	09.04.2022	105 students participated from ICE, BME
23.	EEE	Industrial Visit at UNILEC, Kollam, Kerala for III year (Batch: 2019-2023)	-	03.04.2022	111 students participated from Electrical and Electronics Engineering
24.	EEE	Industrial Visit at KELTRON Power Electronics Group, Trivandram, Kerala for III year (Batch: 2019-2023)	-	02.04.2022	111 students participated from Electrical and Electronics Engineering
25.	AI&DS	Guest Lecture on "Artificial Intelligence in Natural Language Processing"	Dr.T.Kamaleshwar Assistant Professor Computer Science & Engineering Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai.	02.04.2022	48 students participated from Artificial Intelligence and Data Science

26.	EEE	Guest lecture on "Introduction to UX design, process and its impact"	Mr.Dannie Joe Ambrose, Senior Architect - UX, Ramco Systems, Chennai	04.03.2022	425 students participated from EEE, ECE, CSE, IT, CCE, BME, AI&DS
27.	EEE	Guest lecture on "Electric Vehicle - Future and Challenges"	Dr.G.K.Sathish Kumar, Manager, R&D (Power Electronics), Manatec E-Drive Pvt.Ltd, Puducherry	21.02.2022	430 students participated from EEE, ECE, CSE, IT, ICE, CCE, BME, AI&DS

EEE Dept & IEEE SB organized a guest lecture on "Hardware in Loop for Embedded Controllers" by Mr.Selvakumar.S, Senior Engineer, Qualcomm, Bangalore on 30th Dec, 2022 between 02.00 P.M to 04.00 P.M. Hardware-in-the-loop (HIL) simulation is a technique that is used in the development and testing of complex real-time embedded systems. He explained about HIL simulation and its effective testing platform using MATLAB software. Finally concluded with career opportunity in the field of Embedded System. There are around 164 students were participated in this program.
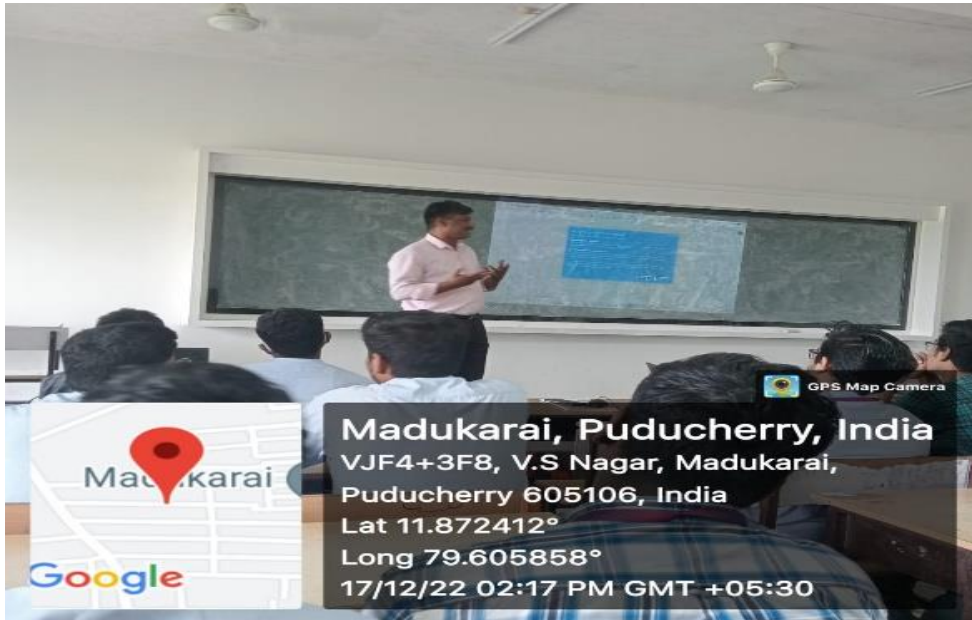

EEE Dept & IEEE SB organized a one day workshop on "PLC and SCADA" by Mr.Bhuvaneshwaran.R, Engineer – SITRAIN, SIEMENS on 19th Dec, 2022 between 09.00 AM to 04.00 PM. The main objective of this WORKSHOP was to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation. A total of 164 Participants attended the workshop and made use of it.

IT Department & IEEE SB organized a guest lecture on "Technical Skills to crack for Placements ", by Mr.Yuhan Praveen, Senior Software Developer, ZOHO, Chennai on 17th December, 2022 between 11.00 AM to 12.30 PM. Speaker started the session with the basics of skills required needed for placements. Finally concluded with career opportunity in the field of Software domain and he explained various logic to solve a problem with real time Industry Applications. A total of 120 participants attended the guest lecture and made use of it.

CSE Department in association with IEEE student branch organized a guest lecture on "APPLICATION OF PYTHON PROGRAMMING", by Dr.N.Sivakumar, Assistant Professor, Department of CSE, Puducherry Technological University on 17th December 2022 between 2 PM to 4 PM. Speaker started the session with the concepts of web and internet, Desktop GUI creating using python with real time examples. Finally concluded with career opportunity in the field of python programming. There are around 80 students were participated in this program.

CCE Department & IEEE SB organized a guest lecture on "Interactive Animation- Animate CC ", by Mr.T.Kathiravan, Game /Web Development, Freelancer, Puducherry on 17th December, 2022 between 2.00 PM to 4.30 PM. Speaker started the session with the basics of Animation practices and its importance. Finally concluded with career opportunity in the field of Animation and how it is helpful for Industry Applications. A total of 57 participants attended the guest lecture and made use of it.

EEE Dept & IEEE SB organized an Idea Presentation - Mini Project Contest 2022 on 12th Dec, 2022. The competition was conducted in the field of both hardware and software. In this event, 108 teams have applied their ideas and 35 teams were shortlisted in the first level of screening and they had actively presented in front of the Scrutiny Committee. Many new innovate ideas were presented by students which would be helpful to the society once it is converted into products. The Scrutiny Committee were appreciated their innovative ideas and suggested the possible modifications to convert their ideas as a product.

CCE Department & IEEE SB organized a guest lecture on "Cyber Security", by Mr.S.Sudeep, Community moderator, Oracle Technology, Bengaluru on 3rd December, 2022 between 11.00 AM to 12.30 PM. Speaker started the session with the basics of Security purpose. Finally concluded with career opportunity in the field of Software domain and how cyber security is helpful for Industry Applications. There are around 105 students were participated in this program.

BME department in association with IEEE student branch organized a guest lecture on "Application of Programmable Devices" by Mr. A. Aashiq Ahamed, Managing Director and Chief Trainer – Bistate Systems, Puducherry on 03rd DEC, 2022 between 02.00 P.M to 3.30 P.M. Speaker started the session with basics of VLSI Industries and Programmble Devices. Finally conclude with career opportunity in the field of Biomedical Engineering. A total of 83 Participants attended the guest lecture and made use of it.

Madagadipet,Puducherry | 2022.11.19 11:35

IT Department & IEEE SB organized a guest lecture on "Insights on Data Structures", by Mr.K.Rohith, Senior Software Developer, Poshmark India Private Limited, Chennai on 19th November, 2022 between 11.00 AM to 12.30 PM. Speaker started the session with the basics of Application Development. Finally concluded with career opportunity in the field of Software domain and how data structures application is helpful for Industry Applications. A total of 120 participants attended the guest lecture and made use of it.

Madagadipet,Puducherry | 2022.11.19 15:30

IT Department & IEEE SB organized a guest lecture on "Modernization of Application Development ", by Mr.V.Hariram, Senior software Engineer, Fullstack Developer, Financial Software Systems, Chennai on 19th November, 2022 between 02.00 PM to 03.30 PM. Speaker started the session with the basics of Application Development. Finally concluded with career opportunity in the field of Mobile Application Development domain. A total of 105 participants attended the guest lecture and made use of it.

ICE Dept & IEEE SB organized a guest lecture on "Programmable Device" by Mr A.Ashiq Ahamed, Managing Director and Chief Trainer, BYASTATE SYSTEMS, Pondicherry on 06th August, 2022 between 10.30 AM to 12.30 PM. Speaker started the session with basics of logic circuits and application of Programmable Device. Finally conclude with career opportunity VLSI Design. A total of 105 Participants attended the webinar and made use of it.

BME department & IEEE SB organized a guest lecture on "Management of Hospital Equipment" by Mr.D.Murugan, Senior biomedical engineer, VM biomedical training academy, Chennai on 06th AUG, 2022 between 11 A.M to 1.15 P.M. Speaker started the session with basics of biomedical devices and its importance in hospitals. Finally conclude with career opportunity in the field of Biomedical Engineering. A total of 83 Participants attended the guest lecture and made use of it.

EEE Dept & IEEE SB organized a Webinar on "History and Recent Trends on Microcontroller" by Mr.S.Selvakumar, Senior Engineer, Qualcomm, Bangalore on 5th August, 2022 between 02.00 pm to 03.30 pm. Speaker started the session with the concepts of recent trends on Microcontroller and importance of advanced microcontroller. Finally concluded with career opportunity in the field of Microcontroller domains. A total of 88 participants attended the webinar and made use of it.

ECE Dept & IEEE SB organized a one day "Hands on Training on Mobile Servicing" on 3rd August, 2022 between 09.00 am to 04.00 pm. Our Trainer of the day was Mr.S.Kishore, Mr.A.Iyyappan, Mr.Syed Saif (Hardware and Software Technician) from JSR Mobiles, Puducherry. The Hands on Training was conducted to build up the capacity of self-employment in the field of Mobile Servicing. At the end of the session, students were learned about mobile phone hardware troubleshooting, installation of software, flashing and diagnostic tools.

CSE Dept. & IEEE SB organized a webinar on "Artificial Intelligence and Machine learning", by Dr.V.J chakravarthy, principal, Arulmigu kabaliswarar Arts and science college, Chennai on 30th July, 2022 between 9.30 AM to 12.30 PM. Speaker started the session with the concepts of supervised and unsupervised learning with real time examples. Finally concluded with career opportunity in the field of Artificial Intelligence and machine learning domains. A total of 170 participants attended the webinar and made use of it.

IT Dept. & IEEE SB organized a guest lecture on "User Interface (UI)/User Experience (UX) Design", by Mr. Thivagar Natesh, Senior UI Designer at HackerEarth,Bangalore on 23rd July, 2022 between 02.30 PM to 04.00 PM. Speaker started the session with the concepts of UI/UX designing with real time examples. Finally concluded with career opportunity in the field of UI/UX and other related computer science domains. A total of 180 participants attended the webinar and made use of it.

EEE Dept & IEEE SB organized an Simplif-i "A 2-Day Boot Camp" on 7th and 8th July, 2022. In the event of Innovation Challenge Contest (ICC'22), 140 teams have applied their ideas and 40 teams were shortlisted in the first level of screening and they had actively presented in front of the esteemed Jury members on 12th April 2022. The expert committee members have shortlisted the top 15 ideas. We have arranged "A 2 Day Boot Camp" jointly with Atal Incubation Centre, PECF, Puducherry for the shortlisted teams. In the Boot Camp, the Hands-On training was provided by Shri. V.Vishnu Varadan, CEO, AIC – PECF in the fields of Problem Identification, Customer Validation, Lean Canvas & Pitching and also guidelines were provided to convert their ideas into product for the benefit of society and to become an entrepreneur.

IT Dept. & IEEE SB organized a guest lecture on "Recent Trends in Information Technology", by Dr. S. Behin Sam – Assistant Professor, Dept. of Computer Science, Dr.Ambedkar Government Arts College (Autonomous) on 28th Apr, 2022 between 11.00 AM to 12.30 PM. Speaker started the session with the basics of Recent Trends in Information Technology and its importance. Finally, concluded with career opportunity in the field of computer science domains. A total of 65 participants attended the session and made use of it.

EEE Dept & IEEE SB organized an Innovation Challenge Contest 2022 (ICC'22) on 12ᵗʰ Apr, 2022. The competition was conducted in the field of both hardware and software. In this event, 140 teams have applied their ideas and 40 teams were shortlisted in the first level of screening and they had actively presented in front of the esteemed Jury members. Many new innovate ideas were presented by students which would be helpful to the society once it is converted into products. The jury members were appreciated their innovative ideas and suggested the possible modifications to convert their ideas as a product. They provided the platform to collaborate with their organizations for further development of the ideas.

ECE Dept & IEEE SB organized a Seminar on "Introduction to e-Publishing" on 9ᵗʰ April, 2022 between 02.30 pm to 04.00 pm. Our speaker of the day was Mrs.M.Abarna, Senior Project Manager, Straive (SPi Global) Puducherry. The speaker started the session with basics of e-Publishing and its importance in the professional world. The latter 20 minutes was an interactive session between the speaker and the Students.

IT Dept. & IEEE SB organized a Webinar on "Web 3.0", by Mr. R. Logesh - Technical Lead, Kalajitha IT Solutions, Bangalore on 09th Apr, 2022 between 11.00 AM to 12.30 PM. Speaker started the session with the basics of Web Development and its importance. Finally, concluded with career opportunity in the field of Web Development and other related computer science domains. A total of 60 participants attended the webinar and made use of it.

ICE Dept & IEEE SB organized a "Hands on Training on IOT application" by Mr. Lokeshwaran, Managing Director, YM Automation Pvt.Ltd, Coimbatore on 09th April, 2022 between 10.30 AM to 12.30 PM. Speaker started the session with basics of IOT and hands on training Sensor based IOT Applications. Finally conclude with career opportunity in the field of IOT. A total of 105 Participants attended the webinar and made use of it.

EEE Dept & IEEE SB organized an Industrial Visit at UNILEC, Kollam, Kerala on 3rd Apr, 2022. UNILEC organization produces Multifunction Static Meters with additional features like display of Maximum Demand of energy consumption, instantaneous voltage and current etc. to other state utility service in India. A total of 111 Participants visited the industry and made use of it.

EEE Dept & IEEE SB organized an Industrial Visit at KELTRON Power Electronics Group, Trivandram, Kerala on 2nd Apr, 2022. KELTRON is a multi-product organisation producing a wide range of products from discrete electronics components to complex equipment and systems. A total of 111 Participants visited the industry and made use of it.

Department of Artificial Intelligence and Data Science & IEEE SB organized a live webinar on Guest Lecture on "Artificial Intelligence in Natural Language Processing" on 2nd April, 2022 between 02.00 pm to 03.30 p.m. Our speaker of the day was Dr.T.KAMALESHWAR, ASSISTANT PROFESSOR, COMPUTER SCIENCE & ENGINEERING, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai. The speaker had thrown insights on the use of Artificial Intelligence in Natural Language Processing. He had also given some hands-on session on chatbot creation using Dialogflow which is a natural language understanding platform that makes it easy to design and integrate a conversational user interface into your mobile app, web application, device, bot, interactive voice response system, and so on.. The latter 30 minutes was an interactive session between the speaker and the delegates.

EEE Department & SMVEC IEEE SB organized a guest lecture on "INTRODUCTION TO UX DESIGN, PROCESS AND ITS IMPACT" by Mr. Dannie Joe Ambrose, Senior Architect - UX, Ramco Systems, Chennai on 04th March, 2022 from 10.30 AM to 12.30 PM. A total of 425 Participants attended the lecture and the speaker started with basics of User Experience (UX) & its importance in digital transformation. Finally, concluded with career opportunity in the field of UX.

EEE Department & SMVEC IEEE SB organized a guest lecture on "ELECTRIC VEHICLE - FUTURE AND CHALLENGES" by Dr.G.K.Sathish Kumar, Manager, R&D (Power Electronics), Manatec E-Drive Pvt. Ltd, Puducherry on 21st Feb, 2022 from 11.00 AM to 01.00 PM. The resource person narrated the design of Electric Vehicles (EV) and its importance recent government amendment.