



School of Electrical and Communication

Department of Electronics and Communication Engineering

IEEE Signal Processing Society Student Branch Chapter

The students are encouraged to undertake various academic and non-academic activities through Professional Bodies and different clubs associated with the department.

The Department of Electronics and Communication Engineering successfully inaugurated the IEEE Student Branch Chapter of the IEEE Signal Processing Society on 13.05.2022. IEEE Membership offers access to technical innovation, up-to-date information, networking opportunities, and member benefits. IEEE members enjoy reduced costs on many products and services like IEEE books, funding for projects, journals, conferences, society memberships, and continuing education courses.

IEEE Societies provide members with opportunities to connect with experts locally and abroad while staying up to date on technology and trends. The student members get a chance to develop their interpersonal skills, leadership skills and teamwork skills by making us involved in various event organizations and management.



About IEEE Signal Processing Society

The IEEE's first society, the Signal Processing Society is the world's premier professional society for signal processing scientists and professionals since 1948. Signal processing is the enabling technology for the generation, transformation, and interpretation of information. SPS serves its members through high-quality publications, conferences, technical and educational activities, and leadership opportunities. Its goal is to keep members abreast of the latest information and to serve the public at large. Founded as IEEE's first society in 1948, the Signal Processing Society is the world's premier association for signal processing engineers and industry professionals. Engineers around the world look to the Society for information on the latest developments in the signal processing field.

Its deeply rooted history spans almost 70 years, featuring a membership base of more than 19,000 deeply interested and involved signal processing engineers, academics, industry professionals and students who are all part of a dynamic global community – spanning 100 countries worldwide. The Society organizes numerous conferences around the world every year, focusing on the innovations shaping the future of signal processing and the future of our world. Members have opportunities to be involved in boards and committees, and at the local level members are actively immersed in regional chapters, working on issues and projects that shape what's next in signal processing. The Society also oversees the publication of numerous periodicals, including the IEEE Signal Processing Magazine and the Inside Signal Processing eNewsletter.

Faculty Coordinator(s)

The IEEE Signal Processing Society Student Branch Chapter is coordinated by the following faculty members:

1. Dr. Rahul S G (TTS2865)

Assistant Professor / ECE

IEEE SPS Faculty Advisor

Overall IEEE Coordinator/ ECE Department



2. Ms. Subha K J (TTS3332)

Assistant Professor / ECE

Signal Processing Domain - IEEE Coordinator



Office Bearers of IEEE Signal Processing Student Branch Chapter
from 08 February 2022 – 08 February 2023

Issac K (VTU14974)

Chairman

Membership No: 97093507

2019-2023 Batch



M. Jaswanth Reddy (VTU15253)

Vice Chairman

Membership No: 98016709

2019-2023 Batch

Akula Tharun (VTU15233)

Secretary

Membership No: 98061430

2019-2023 Batch



P.V.N. Ravi Teja (VTU12958)

Joint Secretary

Membership No: 97716835

2019-2023 Batch



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P. Jagadish Kumar (VTU14527)

Treasurer

Membership No: 98085359

2019-2023 Batch



M. Karthik (VTU15834)

Joint Treasurer

Membership No: 98068630

2019-2023 Batch

S. Sai Teja (VTU15318)

Technical Activity Chair

Membership No: 98164070

2019-2023 Batch



B. Sai Raghav (VTU13260)

Webmaster

Membership No: 98068630

2019-2023 Batch



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J. Rahul Babu (VTU13743)

Joint Webmaster

Membership No: 9806870

2019-2023 Batch



Rakesh. R (VTU15234)

Event Coordinator

Membership No: 98065864

2019-2023 Batch

Partho Adhikari (VTU16243)

Event Coordinator

Membership No: 98065028

2019-2023 Batch



Student Members of IEEE Signal Processing Society Student Branch Chapter

Mukesh Narayana. G (vtu18005)

Membership No: 98559678

2020-2024 Batch



Thridhamni Madanuru (vtu18166)

Membership No: 98470615

2020-2024 Batch

G.V. Kishore Reddy (VTU18330)

Membership No: 98641518

2020-2024 Batch



Prathiva Oli (VTU18731)

Membership No: 98648395

2020-2024 Batch



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Rahul Kumar Nelakurthi (VTU17264)

Membership No: 98641560

2020-2024 Batch



Himaja Paluru (VTU18147)

Membership No: 98643835

2020-2024 Batch

Harshit Manepalli (VTU17049)

Membership No: 98454008

2020-2024 Batch



Kota Siva Tejaswini (VTU15360)

Membership No: 98646869

2020-2024 Batch



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Rakesh Cherukumalli (VTU17286)

Membership No: 98641458

2020-2024 Batch



Afrin Sulthana Shaik (VTU17122)

Membership No: 98641084

2020-2024 Batch

Mohan Mokshagna (VTU15976)

Membership No: 98640722

2020-2024 Batch



Aggarapu Naveena (VTU21663)

Membership No: 98649382

2020-2024 Batch



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A.Lakshmi Prasanna Kumar (VTU16024)

Membership No: 98456291

2020-2024 Batch



G.V.V.K.Amrutha Srivalli (VTU18034)

Membership No: 98645221

2020-2024 Batch

D. Sai Mukesh (VTU18035)

Membership No: 98675908

2020-2024 Batch



G. Harshitha (VTU21644)

Membership No: 98671444

2020-2024 Batch



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Aldapati Jayachandra (vtu16546)

Membership No: 98660608

2020-2024 Batch



Inakota Jahnvi (VTU20677)

Membership No: 98648349

2021-2025 Batch

Harsha Vardhan Reddy Somala (VTU17057)

Membership No: 98649617

2020-2024 Batch



V.Poojitha (VTU20711)

Membership No: 98648524

2021-2025 Batch



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P.Deepesh Raj (VTU17481)

Membership No: 98641494

2020-2024 Batch



Sahaja chowdary.B (vtu20673)

Membership No: 98648381

2021-2025 Batch

Biplab Sahis (VTU17137)

Membership No: 98664239

2020-2024 Batch



G.Bala Bhavitha (VTU20645)

Membership No: 98648363

2021-2025 Batch



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Anjin Kumar.S (VTU20661)

Membership No: 98648553

2021-2025 Batch



Manikanta Nasika (VTU17039)

Membership No: 98646972

2020-2024 Batch

Sudharshan Bellamkonda (VTU20669)

Membership No: 98648680

2021-2025 Batch



Shaik Hussain Basha (VTU18221)

Membership No: 98745922

2020-2024 Batch



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**School of Electrical and Communication
Department of Electronics and Communication Engineering**

**Summary of IEEE Signal Processing Society Student Branch Chapter Events Conducted in the
Calendar Year 2022**

S.No	Date	Event Name	No of Participants	Invited Guest(s) / Resource Person(s) / Judge(s)
WINTER SEMESTER 2021-2022				
1	26.04.2022	Logo Design Contest	17	Dr. P. Esther Rani, HoD ECE & Dr. S. Jana, Professor/ECE
2	13.05.2022	Inauguration of IEEE SPS Student Branch Chapter	111	Dr. N. Venkateswaran, Chairman IEEE SPS Madras Section
3	13.05.2022	Guest Lecture on "Signal Processing in Artificial Intelligence and Machine Learning"	91	Dr. N. Venkateswaran, Chairman, IEEE SPS Madras Section
4	31.05.2022 to 02.06.2022	Three Days Workshop on "Data Visualization using Tableau and Power Bi: Theory and Practice"	40	Mr. Kishore Rangaraj, Senior Data Analyst, Accenture, Bangalore
5	03.06.2022	Project Expo 2K22	36 Batches	Dr. Jayasankar, Dean SoEC & Dr. P. Esther Rani, HoD ECE
SUMMER SEMESTER 2022-2023				
6	14.09.2022	Tech-Talk	25	Dr. T. Kavitha, Dr. S. Jana and Dr. Anto Bennet, Professors/ECE
7	17.09.2022	Technical Poster Design Contest	77 (39 Batches)	Dr. G. Sasikala, Dr. Mazher Iqbal, Dr. Aloy Anuja Mary, Professors / ECE and Dr. Paramasivam, Assistant Professor/BioMed
8	10.10.2022	Distinguished Visitors Program (DVP) Talk on "Advances in Intelligent Systems and Smart Applications"	170	Dr. Mr. Mohamed Rawidean Mohd Kassim, Malaysian Institute of Microelectronic Systems (MIMOS), Ministry of Science, Technology and Innovation Malaysia & Regional Director, IEEE Computer Society, Asia and Pacific Mr. H. R. Mohan, Chairman - Special Events and Immediate Past Chairman, IEEE Computer Society, Madras Chapter

9	26.12.2022 to 31.12.2022	Faculty Development Program on “Computational Intelligence – Algorithms and Implementation”	42	<p>Mr.K.Rajeshwar Rao, Founder-Inspire Solutions, Bengaluru, Karnataka</p> <p>Dr. V. Shanmuganeethi, Associate Professor/CSE, NITTR, Chennai</p> <p>Dr. Malaya Kumar Nath, Assistant Professor /ECE, NIT Karaikal</p> <p>Dr. P. N. Renjith, Associate Professor/CSE, VIT-Chennai</p> <p>Dr. P. Kumaran, Assistant Professor /CSE, NIT Karaikal</p> <p>Mr. Ezhilavan Babu, CEO, VEI Technologies, Chennai</p> <p>Dr. Vivek Maik, Principal Scientist, IIT Madras</p> <p>Dr. V. Masilamani, Associate Professor & Head CSE, IIITDM, Chennai</p> <p>Mr. R. Sachin Kumar, Lead Data Scientist, Tiger Analytics, Chennai</p> <p>Dr. Ruso Tamilarasan, Senior Project Lead - HCL Technologies, Chennai</p>
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Logo Design Contest

Venue: Conceive Space, Department of Electronics and Communication Engineering

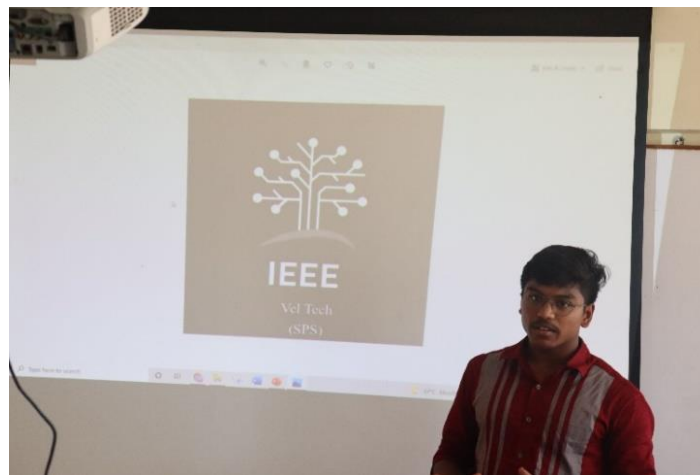
Date of Event: 29.04.2022

Attendance: Students: 17

Brief description:

The logo Design Event is Organised by the IEEE Signal Processing Student Branch Chapter of Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology as a Preliminary event on April 29th from 2:45 to 3:45 pm before the inauguration scheduled on 13.05.2022. The Main Theme of this Contest is to design a logo for Vel Tech IEEE Signal Processing Society, the Students of the ECE department. The students were encouraged to develop the Logo on the mentioned theme and given a certain period of time to make the Logo around a week. The event commenced with the Registration of Students participating and the welcome address was delivered by Mr. K. Issac, 3rd year student ECE who will be taking charge as Chairman of the student Brach Chapter during the inauguration. The event was then followed by the presentation of Logos designed by participants. Students were given 2 minutes to address the information about the Logo, they designed, followed by Questionare by Judges. Around 17 Students Participated in the Event from 2nd and 3rd years of the ECE Department. In the end, Both the Judges, Dr. P. Esther Rani, HoD/ECE and Dr. S. Jana, Professor/ECE and gave valuable words suggestions to improve further in upcoming events.

Event Photos







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Inauguration of IEEE Signal Processing Society Student Branch Chapter

Venue: ECE Gallery Hall, Department of Electronics and Communication Engineering

Date of Event: 13.05.2022

Chief Guest/Speaker: Dr. N. Venkateswaran, Chairman, IEEE Signal Processing Society, IEEE Madras Section & Professor, Department of ECE, Sri Sivasubramaniya Nadar College of Engineering (Autonomous), OMR, Kalavakkam, Chennai, Tamil Nadu.

Ph No: 9443468070

Mail Id: venkateswarann@ssn.edu.in

Attendance: Students: 81 and Faculty Members: 30

Brief description:

IEEE Signal Processing Society Student Chapter was inaugurated in Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology under the Department of ECE on 13.05.2022 with 111 attendees. The event commenced at 2:30 PM with the prayer song, continuing with the lighting of the lamp by all the dignitaries. The gathering was welcomed by the Head of the Department, Dr. P. Esther Rani. Followed by a special address was given by the Dean, School of Electrical and Communication, Dr. V. Jayasankar. Followed felicitation address was given by Dean Academic Research and IEEE Branch Counsellor Dr. Koteeswaran. Then Dean Academics in-Charge, Dr. M.J Carmel Mary Belinda continued the felicitation address. Next Registrar of Vel Tech, Dr. E. Kannan, gave a few of his words about the student chapter events and awards. Followed by, the Honourable Vice-Chancellor Prof. Dr. S. Salivahanan gave felicitation address the gathering and provided insight on the scope of being a part of the IEEE Student Chapter. Then the Respectable Chief guest Dr. N. Venkateswaran, Chairman IEEE SPS Madras Section gave the Inaugural Address and unveiled the Logo of IEEE SPS Vel Tech. In continuation, the Swearing and Ceremony of the following Officer bearers were held.

1. Mr. Issac K – Chairman
2. Mr. M. Jaswanth Reddy – Vice Chairman
3. Mr. Tharun - Secretary
4. Mr. P.V.N. Ravi Teja – Joint Secretary
5. Mr. P. Jagadish Kumar – Treasurer
6. Mr. M. Karthik – Joint Treasurer
7. Mr. S. Sai Teja – Technical Activity Chairperson
8. Mr. Sai Raghav – Webmaster
9. Mr. J. Rahul Babu – Joint Webmaster
10. Mr. Rakesh. R, Partho Adhikari, Ashok – Event Coordinators

The Inauguration ceremony successfully came to an end at 3:30 PM with the Vote of Thanks given by the IEEE SPS Faculty Advisor, Dr. Rahul S.G, Assistant Professor/ECE.

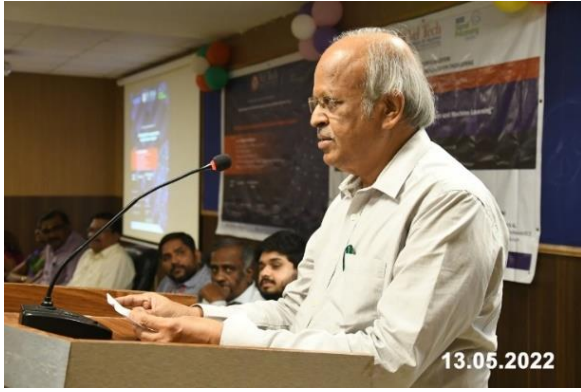
Dignitaries of the Inaugural Ceremony



Invocation and Lighting of the lamp



Inaugural Address by the Dignitaries



Swearing-in ceremony of Office Bearers





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Guest Lecture on “Signal Processing in Artificial Intelligence and Machine Learning”

Venue: ECE Gallery Hall, Department of Electronics and Communication Engineering

Date of Event: 15.05.2022

Topic:

Speaker details: Dr. N. Venkateswaran, Chairman, IEEE Signal Processing Society, IEEE Madras Section & Professor, Department of ECE, Sri Sivasubramaniya Nadar College of Engineering (Autonomous), OMR, Kalavakkam, Chennai, Tamil Nadu.

Ph No: 9443468070 & Mail Id: venkateswarann@ssn.edu.in

Attendance: Students: 81
Faculty Members: 06

Brief description:

IEEE Signal Processing Student Branch Chapter of ECE Department, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology conducted a Guest Lecture on “Signal Processing in Machine learning and Artificial Intelligence”. The invited speaker was Dr. N. Venkateswaran, Chairman, IEEE Signal Processing Society, IEEE Madras Section & Professor, Department of ECE, Sri Sivasubramaniya Nadar College of Engineering (Autonomous), OMR, Kalavakkam, Chennai, Tamil Nadu. The event was held on 13.05.2022 from 3:45 to 4:45 PM. The lecture began at 3:45 PM with basic Terminologies in Signal Processing, Machine Learning and Artificial Intelligence. The speaker shared his profound knowledge with the attendees. The students interreacted with the speaker regarding their fundamental doubts. The guest discussed various Real-time applications of Signal Processing in the daily aspects and presented an overview of the following topics to the students:

- Signal Processing Techniques
- Introduction to Machine learning
- Basic Terminologies in Machine Learning
- Types of Machine learning Algorithms
- Different Classifiers in Machine Learning
- Real-Time Case Studies on Machine Learning
- Introduction to Deep Learning
- Real-Time Case Studies on Deep Learning

After the Discussion of the above topics, the doubt clarification session was held. A few Students asked about various project ideas and research ideas related Signal Processing Domain and Dr. N. Venkateswaran cleared their queries. The Guest Lecture ended at 4:45 PM with the Vote of Thanks by Dr. S. Jana, Professor, Department of ECE.

Event Photos
Session handled by the speaker





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Three Days Workshop on Data visualization using tableau and Power Bi: Theory and Practice

Venue: SoC Lab, Department of Electronics and Communication Engineering

Date of Event: 31.05.2022 – 02.06.2022

Speaker: Mr. Kishore Rangaraj, Senior Data Analyst, Accenture, Bangalore.

Attendance: Students: 40

Brief description:

The workshop on Data Visualization using Tableau and Power Bi: Theory and practice was organized to provide the participant with the knowledge and awareness of the state-of-the-art technology of Data Visualization and its applications which would kindle them to do research and projects using Tableau and Power Bi tools. In recent years, Tableau and Power Bi are highly required in many Industries. The resource person for the webinar was Mr. Kishore Rangaraj, Senior Data Analyst, Accenture, Bangalore who has rich experience in programming as applied to Data Visualization. The coordinator of the workshop, Dr. S. Jana, Professor / ECE welcomed the gathering and addressed the need for knowledge in Data Visualization and the significance of the workshop. From this 3 days workshop, students have learned how tableau can be applied to solve some of the real-time data visualization challenges. Without tableau, it's difficult to explain any engineering results, suppose, in the case of complex machine learning tasks it's hard to explain a technical person but tableau makes this end-user process easier through its graphical user interface dashboard which is easily explainable to any non-coding person. Mr. Kishore Rangaraj and his team covered the following topics: Tableau architecture, Data modelling and Agile Methodology followed by Quiz during the last day session.

Event Photos





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Project Expo 2k22

Venue: ECE Gallery Hall, Department of Electronics and Communication Engineering

Date of Event: 03.06.2022

Topic:

Attendance: Students: 138 students (38 Batches)

Brief description:

The Project Expo 2k22 was held as a platform to showcase students' creativity and innovative ideas. Dr. P. Esther Rani, Head of Department, Department of Electronics and Communication Engineering, delivered the welcome address, and Dr. V. Jayashankar, Dean School of Electrical and Communication, felicitated the gathering. Students from various departments of the institution such as ECE, EEE, IT, CSE, Biomedical and BioTech participated in the event and made it a grand success with good knowledge sharing. Students presented their projects to the panel members, and the projects were graded. The panel members chose the best two projects from each year as winners and runners-up, and the winning and runner-up teams received certificates and cash prizes. The Project Expo 2k22 successfully came to an end at 4:30 PM with the Vote of Thanks given by the IEEE SPS Faculty Advisor, Dr. Rahul S.G, Assistant Professor/ECE

Event Photos







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Tech-Talk

Venue: ECE Gallery Hall, Department of Electronics and Communication Engineering

Date of Event: 14.09.2022

Target audience: ECE Students and Faculty Members

Attendance: Students: 25 and Faculty Members: 05

Brief description:

IEEE Signal Processing Student Branch Chapter of ECE Department, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology conducted an event called “Tech-Talk”. The event was held on 14.09.2022 from 2:00 PM to 4:45 PM. Several technical topics about “Signal Processing” were shuffled in a container in some random order. The participants were allowed to select any one technical topic from the shuffled list of topics. The participants were given 10-15 minutes of duration to prepare for their selected topic. The participants were then asked to talk about their technical topic for a maximum duration of 2-3 minutes. Students were assessed by a panel of judges on the criteria such as communication skills and technical word usage. Two Students were rewarded based on their performance reviewed by the panel members. The topics given during the event are listed as follows:

- The life cycle of ML
- RADAR
- Medical Electronics Application
- Nano Technology in Electronics
- Role of Signal Processing in Communication- Application
- Application of AI in Healthcare
- Current trends of AI
- AI in speech processing
- Natural Language Processing
- Machine Learning in Home Automation?
- Role of ML in Virtual Personal Assistant?
- Speech Recognition in home automation
- Image conversion to Barcode
- Image reading technology using AI
- Applications of Google Lens

Event Photos



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R&D Institute of Science and Technology
Established by the Government of Tamil Nadu in 1984

IEEE IEEE Signal Processing Society

School of Electrical & Communication
Department of Electronics and Communication Engineering
IEEE Signal Processing Society Student Branch Chapter
Organizes

In the presence of
Col. Prof. Vel. Dr. R. Rangarajan
Founder President & Chancellor
Dr. Sagunthala Rangarajan
Foundress President
Prof. S. Salivahanan
Vice Chancellor

Tech-Talk
14th September 2022
2:45 pm to 4:45 pm

ECE Gallery Hall (1601)

Convenor
Dr. P. Esther Rani
HoD/ECE

IEEE SPS Faculty Advisor
Dr. Rahul S G,
Assistant Professor/ECE

Coordinator
Ms. Subha K J,
Assistant Professor/ECE

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Technical Poster Design Contest

Venue: ECE Gallery Hall, Department of Electronics and Communication Engineering

Date of Event: 17.09.2022

Attendance: Students:77 (39 Batches) and Faculty Members: 05

Brief description:

IEEE Signal Processing Student Branch Chapter of ECE Department, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology conducted an event called “Technical Poster Design Contest” on 17.09.2022 from 2:00 PM to 4:45 PM. Students were informed to form batches with a maximum of two members and register for the event. Various themes related to “Signal Processing” were displayed to the participants. Each batch shall select their choice of theme and any suitable application related to that theme. Participants were then given 30 minutes for discussion with their teammates. Each batch was informed to carry their laptop for preparation and browsing. A3 sheets were provided to design the posters and the participants carried their stationery items. 60 minutes of duration was then provided to design the posters from 2:45 PM to 3:35 PM. Best posters with good technical information were rewarded after judgement by the panel members. The various themes displayed for the participants are:

- Artificial Intelligence in Health Care
- Smart Drones
- Signal Processing for 5G Communication
- Autonomous vehicles
- e-Waste Management
- Green Electronics
- Robotic technology
- Smart home
- Artificial Intelligence in Agriculture
- Smart City Monitoring System
- AI for Renewable energy
- Smart Grid
- Medical Electronics
- Applications of Nano-bots
- Body Area Networks

Event Photos



Announcement of contest rules and themes



Participants browsing to collect technical information





Preparation of posters and judging by Panel members





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DVP Talk On “Advances in Intelligent Systems and Smart Applications”

Venue: ECE Gallery Hall, Department of Electronics and Communication Engineering

Date of Event: 10.10.2022

Speaker details: Mr. Mohammed Rawidean Mohd Kassim from the Malaysian Institute of Microelectronic Systems (MIMOS) Ministry of Science, Technology and Innovation Malaysia, distinguished visitor, IEEE Computer Society

Attendance: Students: 171 Faculty Members: 05

Brief description:

IEEE Computer Society, Madras chapter, IEEE Student Branch of Vel Tech and IEEE Signal Processing Society Student Branch Chapter jointly organized a Distinguished Visitors Program (DVP) talk on “Advances in Intelligent Systems and Smart Applications” in ECE Gallery Hall on 10.10.2022 with 176 attendees. The DVP talk commenced at 2:00 pm with the prayer song continuing with the welcoming of the distinguished speaker Mr. Mohammed Rawidean Mohd Kassim from the Malaysian Institute of Microelectronic Systems (MIMOS) Ministry of Science, Technology and Innovation Malaysia, distinguished visitor, IEEE Computer Society for the event and the Guest of Honour Mr. H. R. Mohan, Chairman of Special Events and Immediate Past Chairman of the IEEE Computer Society, Madras chapter and other dignitaries. The gathering was welcomed by the coordinator and IEEE Signal Processing Society Student Branch Chapter’s Advisor, Dr. Rahul S.G. Followed by, a memento was presented to our distinguished speaker by our honourable Vice Chancellor, Prof. Dr. S. Salivahanan and a memento to our Guest of Honour by the respected Registrar, Dr. E. Kannan. Then the distinguished Speaker was introduced by Ms. Afrin, a Student member of IEEE SPS. The distinguished speaker distinguished speaker delivered his thought-provoking speech. The speaker discussed the various roles of Artificial Intelligence in areas of Smart Home, Smart City, Smart Agriculture and Smart Healthcare in building Intelligent Systems. He also discussed various challenges faced by Intelligent systems and gave the solutions to overcome them. After completing the speech participants interacted with their queries and got their doubts clarified. Then, the Guest of Honour was introduced, and he engaged the participants by conducting a mini-ICT quiz with a spot cash prize. All the questions asked were based on current trends in contemporary technology and this served as a knowledge-sharing session. All the participants answered the questions aspiringly. The entire event was a mind-blowing session, and all the participants get benefited from it. The session was concluded with a vote of Thanks given by Mr. S. Govindan, coordinator, Office of the Dean Research Studies.

Event Photos

Dignitatis of the Event



Presenting momento to the Distinguished speaker and Guest of Honour





DVP Talk by the Distinguished Speaker Mr. Mohammed Rawidean Mohd Kassim





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Faculty Development Program on “Computational Intelligence – Algorithms and Implementation”

Venue: Gallery Hall, Department of ECE

Date of Event: 26.12.2022 to 31.12.2022

Funds received from IEEE exclusively for this event: Yes (Rs. 20,000/-)

Speaker details:

- Mr.K.Rajeshwar Rao, Founder- Inspire Solutions, Bengaluru, Karnataka
- Dr. V. Shanmuganeethi, Associate Professor/CSE, NITTR, Chennai
- Dr. Malaya Kumar Nath, Assistant Professor /ECE, NIT Karaikal
- Dr. P. N. Renjith, Associate Professor/CSE, VIT-Chennai
- Dr. P. Kumaran, Assistant Professor /CSE, NIT Karaikal
- Mr. Ezhilavan Babu, CEO, VEI Technologies, Chennai
- Dr. Vivek Maik, Principal Scientist, IIT Madras
- Dr. V. Masilamani, Associate Professor & Head CSE, IIITDM, Chennai
- Mr. R. Sachin Kumar, Lead Data Scientist, Tiger Analytics, Chennai
- Dr. Ruso Tamilarasan, Senior Project Lead - HCL Technologies, Chennai

Attendance: faculty: 37, Research/ PG Scholars: 05

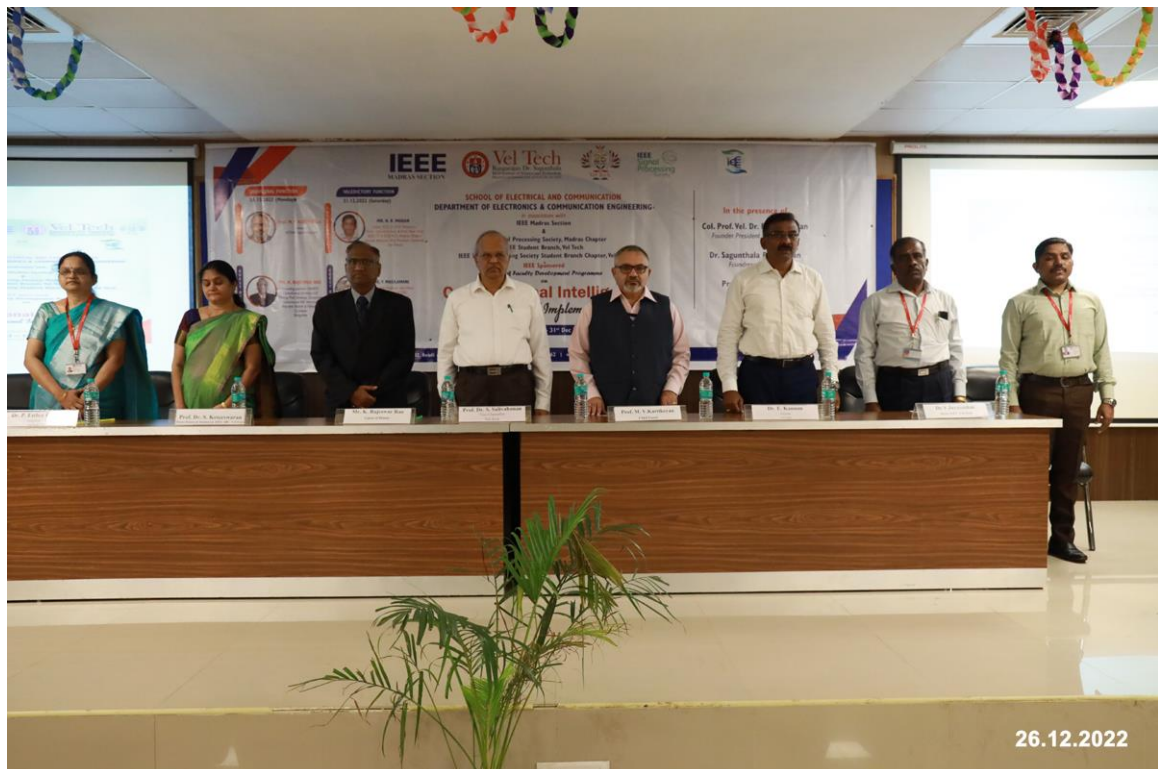
Brief description:

The Department of ECE, School of Electrical and Communication, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology in association with IEEE Madras Section, IEEE Signal Processing Society, IEEE Student Branch Cpater, IEEE SPS Student Branch Chapter, Veltech organized a One-week FDP on Computational Intelligence – Algorithms and Implementation during 26 Dec 2022 – 31 Dec 2022. Totally 43 participants from reputed institutions registered. This FDP constitutes sessions on the fundamentals of Artificial Intelligence, Machine learning, Deep Learning and fundamentals of Data Science with practical hands-on sessions on Data Science using Python, AI and ML using python. Use cases of AI, ML and DS were also covered. The Inaugural function was presided over by Prof. Dr. S. Salivahanan, Vice Chancellor, Prof. Dr. E. Kannan, Registrar, Prof. Dr. S. Koteeswaran, Dean Research Studies and IEEE SBC, Veltech, Prof. Dr. V Jayasankar, Dean/SoEC, Dr P Esther Rani, HoD/ ECE. The Chief Guest of the function was Prof. Dr. M. V. Kartikeyan, Director/IIITDM, Kancheepuram. Mr. K. Rajeswar Rao, Founder of Inspire Solutions, Bengaluru, Karnataka was the Guest of Honor. Dr. P. Esther Rani, HoD/ECE delivered the welcome address. Dr. S. Jana, Professor/ECE introduced the Chief Guest. Dr M V Kartikeyan in his inaugural address highlighted the significance of computational intelligence. Dr. R. Rajkumar, Associate Professor/ECE introduced the Guest of Honor Mr. K. Rajeswar Rao. The forenoon session on 26/12/22 was handled by Mr. K. Rajeswar Rao on the topic ‘Computational Intelligence – Raising Importance in Current Times’. Professor Dr. V. Shanmuganeethi, Associate Professor/CSE, NITTR Chennai was the resource person for the afternoon session. Professor shared his expertise on descriptive analysis and gave demonstrations with a hands-on session. Dr. P. N. Renjith, Associate Professor/CSE, VIT

Chennai delivered a hands-on session on 'Data Analysis and Visualization' on 27/12/22 forenoon. Dr. Malaya Kumar Nath, Assistant Professor/ECE, NIT Karaikal delivered a session on Machine Learning and Deep Learning. Mr. Sachin Kumar, Senior Data Scientist from Tiger Analytics, Chennai was the resource person on 28/12/22. Participants were given a complete insight into performing inferential analysis and predictive analysis on a dataset through hands-on practice. Dr. Vivek Maik, Principal Scientist, IIT Madras was the resource person on the 29/12/22 forenoon and presented how Artificial Intelligence could be applied in Health care and Robotics. Dr. P. Kumaran, Assistant Professor/CSE NIT Karaikal was the resource person for the afternoon and elucidated the application of artificial intelligence in the internet of things. Dr. Ezhillavan Babu and Ms Shobana Pritha, Software Developer, from VEI Technologies, Chennai demonstrated the ML algorithms using python on 30/12/22. Dr Ruso Tamilarasan, Senior Project Lead, HCL Technologies gave a hands-on training on Machine Learning using Tensorflow on the forenoon of 31/12/22. Dr V Masilamani, Professor and Head/ CSE, IIITDM Kancheepuram delivered on the topic of Optimization models on the 31/12/22 afternoon. Mr H R Mohan, Editor, IEEE CS R10 Newsletter Chair - Special Events & Imm. Past Chair, IEEE CS & IEEE PCS, Madras Chapter Former Associate Vice President (Systems), The Hindu was the Chief Guest for the Valedictory function. Dr V Masilamani, Dr P Sakthivel, Vice Chairman, IEEE Madras Section, were the Guest of Honour. Dr P Esther Rani, Professor and Head/ECE, welcomed the gathering. Dr S Jana, Coordinator of the FDP presented the report during the valedictory function. The Chief Guest and the Guests of Honor felicitated the gathering. Participants gave their feedback after which certificates were distributed. The function came to an end with Dr M Anto Bennet, Professor and Coordinator, proposing the formal vote of thanks.

Event Photos

Inaugural Ceremony



The lighting of oil Lamp



Presenting memento to the guests





Inaugural address by Chief Guest Prof. Dr. M. V. Kartikeyan, Director/IITDM



Inaugural address by Chief Guest Mr.K.Rajeshwar Rao, Founder- Inspire Solutions, Bengaluru



Group photo with the FDP Team



Session Photos





Valedictory Ceremony





