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POWERSCOPE

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IEEE

Formed on 1st January 1963, IEEE is the world's largest non-profit technical organization with more than 4,00,000 members in over 160 countries. The core purpose of IEEE is to foster technological innovation and excellence for the benefit of humanity.

IEEE has 39 technical societies, 7 technical councils, and 22 technical committees. IEEE has a strong reach among professionals and students, with more than 2000 student branches over 342 sections in 10 geographic regions. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities. Through the diverse humanitarian and philanthropic programs of IEEE, there are many opportunities to contribute-big or small, to improve the human condition worldwide. You can become involved at any stage of IEEE engagement through contributions of your time, talent, and treasure.

IEEE PES

The IEEE Power & Energy Society (PES), formerly the IEEE Power Engineering Society, is the oldest society of IEEE focused on the scientific and engineering knowledge about electrical power and energy.

The IEEE Power & Energy Society is a worldwide, nonprofit association of more than 40,000 industry professionals, academicians and students with a common interest in the electric power energy industry. PES has vibrant communities at the local chapter level and at the international level through our conferences, publications and technical committees. IEEE PES Kerala Chapter is one of the active chapters under IEEE Power & Energy Society.

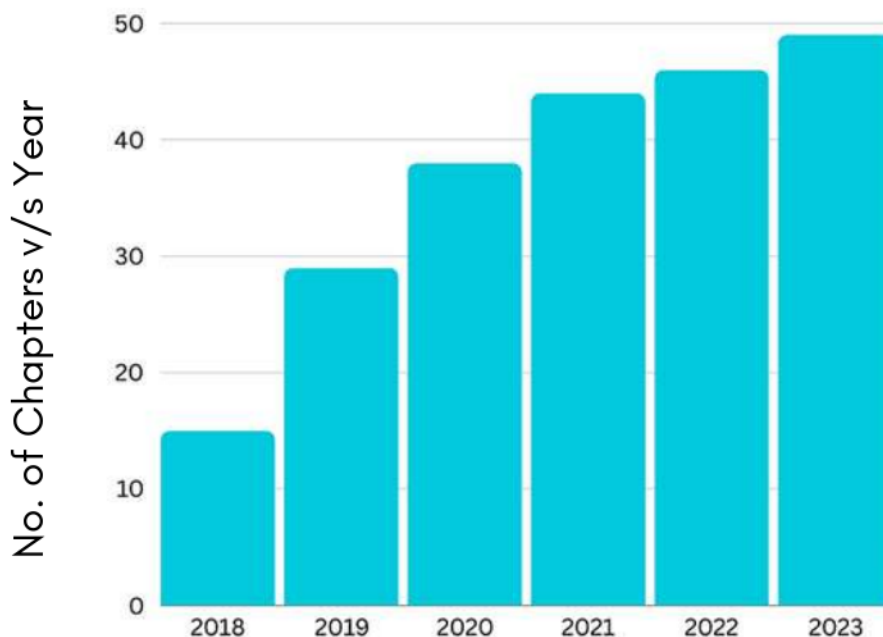
Our mission is to be the leading provider of scientific and engineering information on electric power and energy for betterment of society, and the preferred professional development source for our members. The scope of the society embraces research, development, planning, design, construction, maintenance, installation and operation of equipment, structures, materials and power systems for the safe, sustainable, economic and reliable conversion, generation, transmission, distribution, storage and usage of electric energy, including its measurement and control.

IEEE PES Kerala Chapter

IEEE PES KERALA CHAPTER is one of the active chapters under IEEE Power & Energy Society. Our mission is to be the leading provider of scientific and engineering information on electric power and energy for the betterment of society, and the preferred professional development source for our members.

Membership Growth: The Power & Energy Society, Kerala Chapter is one among the prominent technical societies of IEEE Kerala Section. PES is a platform for sharing the latest technological developments in the electric power industry, educating members of the industry and the general public and developing standards that guide the development and construction of equipment and systems.

It is led by professional leaders who have expert knowledge in this field. Perceiving the motives and values, there is a significant increase in the number of people joining PES every year. The notable change that occurred in the membership growth was between the year 2018 and 2020. In the year 2018, the sail took off with 15 student chapters which moved across almost 28 student chapters by the year 2019. In 2020, it reached the destination with 37 student chapters, doubling the figure from the start, then in 2021 the count reached 44 and in 2022 the count reached 46. Finally, in 2023, IEEE PES Kerala Chapter reached 49 student chapters across Kerala. The rise in graph showcases the impact that PES achieved in moulding professionals. With spirited leaders and enthusiastic members, the IEEE PES Kerala is heading to conquer greater heights.



Chair's Note

Dr. Ajith Gopi



Dear all,

As the Chair of the IEEE Power & Energy Society (PES) Kerala Chapter, I am thrilled to present this year's edition of "POWERSCOPE". Reflecting on 2023, I am proud to highlight the remarkable achievements and events that have further strengthened our community and showcased our commitment to advancing the field of power and energy. This year, we successfully conducted the All Kerala PES Student Congress (AKPESSC 2023 hosted by PES SBC RIT Kottayam. This event was a tremendous success, featuring excellent networking sessions, insightful workshops, and engaging industrial visits that fostered collaboration among students of various SBCs across Kerala. The IEEE PES Professional Meet-up 2023 was another significant event marked as a milestone, where we organized two vital talk sessions with esteemed industry experts. Their discussions on Hydrogen & Fuel Cells and Power Grid Modernisation provided invaluable insights into critical topics shaping our industry today. Additionally, our "Enlighten" International Webinar Series, in collaboration with the IEEE PES YP Global Team, has proven to be a platform for knowledge exchange and professional development, drawing participants from across the globe. The Women of Wisdom (WoW) talk series, organized by our Women in Power (WiP) affinity team, successfully highlighted the contributions of women in the power sector, inspiring both current and future women leaders. We also celebrated the spirit of competition and innovation with the IEEE DAY PES QUIZ, culminating in an exciting final at CUSAT, Ernakulam, after shortlisting over 2000 student participants from various colleges. Our commitment to social responsibility was evident during the Environment Day celebrations held at Student Branch Chapters across Kerala, emphasizing our dedication to sustainability and environmental stewardship. Finally, the International Colloquium 2023, organized by MES College of Engineering Kuttipuram in collaboration with our Chapter, was a testament to our ongoing efforts to engage with academic and professional communities worldwide.

I am proud to announce that the IEEE PES Kerala Chapter continues to hold the prestigious position as the largest PES Chapter globally. Our vibrant Student Branch Chapters play a pivotal role in maintaining our legacy of leadership within the IEEE student society in Kerala. As we reflect on these accomplishments, I extend my heartfelt gratitude to the PES Newsletter student & professional team, our dedicated office bearers, and the PES Executive Committee for their unwavering support and commitment to our mission. Together, we will continue to inspire and empower the next generation of leaders in the power and energy sector.

Thank you for being an integral part of our journey.

Warm regards,

Dr. Ajith Gopi
Chair, IEEE PES Kerala Chapter

Editor's Note

Dear Readers

Greetings from IEEE PES Kerala Chapter!

Welcome to the final edition of our newsletter Powerscope 5.0! IEEE PES Kerala Chapter is ready to showcase their achievements and activities. In this edition we will be focusing on the events of July to December 2023. IEEE PES Kerala Chapter is growing and has reached 49 student branches across Kerala because of the hard work of student volunteers and professionals by creating extraordinary events. The quality and perfection of each event have led to remarkable success. The regular technological advancements are carefully noted and are converted into a variety of informative events for the members.

We hope that this newsletter will be engaging and informative. We have always welcomed valuable feedback, so share your views, inputs or suggestions.

Thank you for being a part of an energy conscious community! Let's grow together.

So let's dive right into it.

Best Regards

Anjana Krishnakumar (Newsletter Editor Design)

Goutham Krishna B (Newsletter Editor Content)

1. Adi Shankara Institute of Engineering and Technology
2. Amritha Viswa Vidyapeetham
3. Christ College of Engineering Irinjalakuda
4. Cochin University of Science and Technology
5. College of Engineering Adoor
6. College of Engineering Chengannur
7. College of Engineering Karunagappally
8. College of Engineering Munnar
9. College of Engineering Perumon
10. College of Engineering Thiruvananthapuram
11. College of Engineering Trikaripur
12. College of Engineering Vadamangalam
13. College of Engineering, Attingal
14. College of Engineering, Cherthala
15. College of Engineering, Kallappara
16. College Of Engineering, Thalassery
17. Federal Institute of Science And Technology
18. Government Engineering College Idukki
19. Government Engineering College, Thrissur
20. Indian Institute of Technology Palakkad
21. Jawaharlal College of Engineering and Technology
22. KMCT College Of Engineering
23. LBS College of Engineering Kasargod
24. Mar Athanasius College of Engineering
25. Mar Baselios Christian College of Engineering and Technology
26. Mar Baselios College of Engineering and Technology
27. Marian College of Engineering Trivandrum
28. MEA Engineering College, Perinthalmanna
29. MES College of Engineering Kuttippuram
30. Model Engineering College Thrikkakara
31. Mohandas College of Engineering
32. Musaliar College of Engineering Chirayinkeezhu
33. National Institute of Technology Calicut
34. Nehru College of Engineering & Research Centre
35. NSS College of Engineering Palakkad
36. Rajagiri School of Engineering & Technology
37. Rajiv Gandhi Institute Of Technology
38. Sahrdaya College of Engineering and Technology
39. Saint Gits College of Engineering
40. Sree Chitra Thirunal College of Engineering
41. St. Joseph's College of Engineering and Technology, Palai
42. TKM College of Engineering
43. Toch Institute of Science and Technology
44. Vidya Academy of Science and Technology
45. Vimal Jyothi Engineering College, Chemperi, Kannur
46. ViswaJyothi College of Engineering and Technology
47. Carmel College of Engineering & Technology, Punnappra
48. Jyoti Engineering College, Thrissur
49. Amal Jyothi College of Engineering

STUDENT CHARTERS

DR ANOCH



CHAPTER

ACTIVITES & EVENTS

AKPESSC'23

Date: 27th October 2023

Venue: RIT, Kottayam

Event Type: All Kerala Power and Energy
Society Student Congress



All Kerala Power and Energy Society Student Congress 2023 (AKPESSC'23) aims to educate students on the necessity of reducing carbon emissions and promoting sustainability. Carbon emission is one of the major causes of global warming and climate change, which threaten the health and well-being of humans and other living beings on the planet. If the current trends continue, the world will face more severe and frequent extreme weather events and negative impacts on biodiversity and economic development. AKPESSC'23 seeks to address issues stemming from excessive carbon emissions and focus on solutions to counter these issues through sustainable methods. It sheds light on emerging ideas and technologies, like Electric Vehicles, green energy and solar power, that can help power a sustainable future. AKPESSC'23 provides a range of informative talks and workshops that increase awareness and foster a proactive mindset towards problem-solving among students and professionals alike.