Annual Report 2023 - 24

IEEE MEA SB - STB08091

MEA Engineering College Perinthalmanna.

By:-
Ajisha T
Secretary | IEEE MEA SB

www.ieeemeasb.org

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2nd May 2023

INTERSTA - WEBINAR

Zoom

Objective of Event

This Webinar is to provide a introduction to blockchain technology and to have Comprehensive understanding of applications,its history,and how it works. It also intends to educate the audience on the fundamentals of blockchain such as its decentralized nature , immutability, and consensus mechanisms. Providing examples of how blockchain technology is currently being used across industries, such as in finance, health care , and supply chain management.

Event Description

" INTERSTA " is a series of events in which this webinar on Blockchain Technology was the first event. It was a collaborative event conducted by IEEE IAS MEA SBC & IEEE CS MEA SBC. The Webinar was conducted online through Zoom platform.The event was hosted by Miss Jasmine ,IEEE MEA SB Member.The session was taken by Mr.Shabeer Ali M,Senior Software Engineer Tech Mahindra.The session was conducted as presentation to give a comprehensive practical understanding of the topic in ordered slides to get a better understanding of how to approach this concept of Blockchain Technology in a proper way.A Q&A session was conducted after the presentation in which the attendees enquired and cleared many of their doubts about the concerned topic.Vote of thanks was delivered by Mr.Mohammad Sanabil, IEEE MEA SB Member.Concluding the session a virtual momento was presented to Mr.Shabeer Ali M.

About Attendees

Attendees:

50 delegates participated ,both IEEE and non IEEE members from various colleges.

Review | Feedback

The programme brought out the best in the students and helped them to develop their skills. The session provided a practical understanding of Blockchain Technology to the attendees.The session helped the participants to understand the present day and future applications of Blockchain Technology in building a better World.

2nd may 2023

ONLINE WEBINAR

Gmeet

Objective of Event

IEEE PES MEA SBC in collaboration with IEEE PES SBC University of Moratuwa Conducted a Webinar on the topic "E-Mobility Impacts in Carbon Neutrality". To provide an opportunity for delegates in order to explore innovative ideas and dust out a few of their underlying knowledge.

Event Description

IEEE PES MEA SB conducted a Webinar on the topic " E-Mobility Impacts in Carbon Neutrality in collaboration with IEEE PES SBC University of Moratuwa through Gmeet. The webinar was held on 2nd may 2023 at 9:00 PM sharp . The speaker started the webinar with a clear explanation of the topic itself which included what is E -Mobility and what is Carbon neutrality and then moved on to subtopics. He conducted webinar in such a fascinating way that each and every

core subtopics such as sustainable transportation system towards a low carbon transition ,Energy, Environmental and behavioral factors, sociotechnical change and sustainable mobility, behavioral aspects of sociotechnical change, satisfaction in travel, life and modality choice,mobility behavior, cycling, walking, car use, public transport etc were thoroughly explained.

The event was concluded at 9:45 by Devakaran, chair of IEEE PES SBC university of Moratuwa after a Q&A session, review from students , last but not least a group photo was taken to make this international collab more memorable .The webinar allowed students to gain new steps of knowledge.

About Guests and delegates

Speaker : Mr Sajin Ismail, Assistant Engineer,KSEB.He actively contributed to development of E-Mobility,projects and state nodal agency activities with primary focus on advancing the EV charging infrastructure in Kerala.
The event was graced by 30 participants who were pretty active throughout the session.

Review | Feedback

The Webinar was made up to perfection with the collective effort of both SB's. IEEE PES MEA SBC and IEEE PES SBC

University of Moratuwa got positive feedback from the delegates.

The webinar helped the delegates to explore a new bundle of knowledge.

8th MAY 2023

V-TALK SEASON 3 - EPISODE 1

Google Meet

Objective of Event

VTalk is a series of webinars resourced by the influencer women in different fields which is intended to the empowerment of women through IEEE.

Event Description

IEEE WIE MEA AG conducted VTalk Season 3 Episode 1 as an interview session on 8th May 2023. The webinar was open to all students of various colleges in Kerala and the webinar was resourced by Ms. Reema Shaji, CEO of IEDC MESCE, recipient of the IEEE UPE Award, a Global UGRAD scholar.

The speaker talked about a number of crucial topics, including networking, communication skills, resume, interviews, linkedin profile, and how to gain confidence.

About Guests and Delegates

Ms. Reema Shaji - IEEE UPE Award winner, English Language Trainer, Global UGRAD Scholar 2021-22 and CEO of IEDC MESCE.

Review | Feedback

The event was graced by about 60 dedicated participants who asked thoughtful questions that made the talk quite interactive. Students from different colleges attentively listened to her talk which was very inspiring.

10th May 2023

ONLINE WEBINAR

Zoom

Objective of Event

IEEE PES MEA SB in collaboration with IEEE PES SBC of university of Moratuwa conducted a webinar on topic 'High penetration of variable renewable Energy into Electric Power Systems' in order to celebrate PES day 2023. The webinar aimed at providing an opportunity to the delegates in order to explore innovative ideas and dusting out a few of their underlying knowledge.

Event Description

IEEE PES MEA SBC conducted a webinar on the topic 'High penetration of variable renewable energy into electric power systems : challenges and solutions on PES day 2023 in collaboration with IEEE PES MEA SBC of University of Moratuwa. Webinar was conducted through google meet. The webinar was held on 10th may 2023 at 6:00 PM. The webinar covered many core sub topics related to major topics which include variable renewable sources, roadmap for global energy sector, large wind systems in world, large photovoltaic system in world, challenges faced by operating electric power system with high levels of variable renewable energy:resource adequacy ,frequency stability, case studies of frequency stability, voltage stability.

Solutions for integrating very high levels of variable renewable energy into electric power systems which include solutions for voltage stability issues, case studies of solutions of voltage stability issues ,solutions for frequency stability issues ,microgrids & so on. After a thrilling Q&A session the speaker received a virtual gift. The event was concluded at 7:15 only after reviews from students & memorable group photos.

The webinar allowed students to gain new steps of knowledge.

About guest and delegates

Speaker: Mr Sampath Ediriweera , lecturer at Wayamba university of Sri Lanka. He graduated Msc &,Bsc eng Hons from Uom in Sri Lanka ,AMIES from LK.

The event was graced by 40 participants who completely utilized Q&A sessions which made the event even more engaging and interesting.

Review | Feedback

The Webinar was made up to perfection with the collective effort of both SB's. IEEE PES MEA SBC and IEEE PES SBC University of Moratuwa got positive feedback from the delegates. The webinar helped the delegates to explore a new bundle of knowledge.

13th May 23

CROPCON :

IDEATHON COMPETITION

Objective of Event

This ideathon competition is to encourage individuals or teams to showcase their skills, creativity, and innovative solutions and ideas that promote sustainable practices in agriculture.by bringing together diverse perspectives and expertise ,the competition aims to identify creative solutions that balances the need for agricultural productivity with the preservation of natural resources. Ideathon competition can inspire lasting change in the way we approach sustainable development in the food system.

Event Description

IEEE PES MEA SBC conducted 'CROPCON' ideathon competition on the topic 'sustainable agriculture' on 13th may 23. CROPCON. was conducted to celebrate PES day 23 The competition was open to all students of various Engineering Colleges. The participants submitted their entries through the google form provided. Agriculture sector is indeed an unknown sector for most students nowadays. The topic was indeed a sensitive one; it prompts the participants to research more about the challenges, technical intervention,and scientific interventions in agriculture.

About Judges and delegates

Judge : Mr Maazin mohammed | chairman of IEEE PES MEA SBC

About 20 delegates from different engineering college participated in the competition

Review | Feedback

The ideathon may focus on topics such as soil conservation,water efficiency,biodiversity,climate change

Mitigation,and social equity in agricultural practises.By encouraging participants to think critically and creatively about the future of agriculture.the competition brings out best in them and helps to develop their skill.

Winners of competition :

1st : Anjitha s - College of Engineering ,Trivandrum.

2nd : Abijith Raj p - SCT College of Engineering ,Trivandrum.

3rd : Sithara Parveen - MEA Engineering college , Perinthalmanna.

17th May 2023

BLOGATHON

Objective of Event

The Major Aim of Blogathon Competition is to raise awareness about the fire crisis in Brahmapura and discuss effective strategies to address and contradict it.The blogathon would aim to provide accurate information about the crisis ,its causes and its impact on local community and environment..aims student to improve their critical ,

Creative,problem solving skills,.helps students to mold their ideas to be innovative and practical.help students to test themselves.

Event Description

IEEE PES MEA SBC in collaboration with IEEE SIGHT MEA SBC

conducted a blogathon competition on topic 'how to

contradict the problem of

brahmapuram fire crisis' on 17th may 23.

The competition was open to all students of various Engineering Colleges. .A few guidelines were provided to the participants along with the Google Form.The participants submitted their entries through google form provided.Brahmapuram fire incident was indeed a sensitive topic as the students these days are not even aware of their surroundings.By incorporating a sensitive issue to a competition make student to study about issue which tempts them to open their eyes to society and tempts them to effective.

About judges and delegates

Review | Feedback

The blogathon Competition was organized with full on perfection. and the participants showcased their talents in

the best possible way.Selection of real incident topic over syllabus topics truly

Help bloggers to collaborate ,share ideas,improve learn and to bring
Winners of competition :
1st : JOEL - SCT College of Engineering ,Trivandrum.
3rd : JASMINE - MEA Engineering college , Perinthalmanna.

Judges:Mr maazin mohammed | chairman of IEEE PES MEA SBC
About 20 delegates from different engineering college participated in the competition

deserve praise as it clearly create awareness,urgency,long term impact,

attention to brahmapuram fire crisis and inspire actions toward resolving it
2nd : JUSTIN - SNG College of Engineering ,Trivandrum.

ONLINE WEBINAR
Zoom

27th May 2023

Objective of Event

The objective of the REM Scholarship is to provide information about the REM scholarship program, Clarify the eligibility criteria and application process, offer guidance on how to create a compelling scholarship, and answer participants' questions and concerns.

Event Description

This online webinar aimed to share valuable information and insights about the REM scholarship, helping attendees gain a comprehensive understanding of its intricacies and key aspects.It was a collaborative event conducted by IEEE MEA SB & IEEE CS MEA SBC. The webinar was conducted online through Zoom platform. The event was hosted by Miss Rineesha, IEEE MEA SB Member. The session was taken by Mr.Aryan, IEEE REM SCHOLAR 2022. This session was conducted to provide information and guidance to students interested in applying for

the REM scholarship. It also included success stories from past scholarship recipients to inspire and motivate potential applicants. Q&A session was conducted after the presentation in which the attendees inquired and cleared many of their doubts about the scholarship. Vote of thanks was delivered by Miss. Riya Fathima, IEEE MEA SB Member. Concluding the session a virtual Memento was awarded to Mr.Aryan.

About Attendees

About 45 IEEE members from various Engineering Colleges across India attended the webinar.

Review | Feedback

This webinar was informative and engaging, providing valuable insights into the scholarship program. Mr. Aryan effectively communicated the eligibility criteria and application process, making it easy to understand. The use of visual aids and real life examples enhanced the overall presentation. The Q&A session was interactive and

addressed participants' queries effectively. Overall, a well executed webinar that effectively promoted the REM scholarship opportunity.

10rd June 2023

MILAGROS - VIDEO EDITING COMPETITION

Online Platform

Objective of Event

The goal of the Environment video editing competition is to make people aware of environmental problems and motivate them to take action. Contestants should make videos that show why it's important to protect the environment, talk about challenges we face locally and globally. This competition is where creative minds can shine and make everyone feel passionate about protecting our Earth by going green. With amazing videos, we can inspire people all over the world to save the Earth for our future generations.

Event Description

Milagros offered a platform for participants to craft powerful 60-second videos that highlighted essential environmental issues and potential solutions. The competition focuses on raising environmental awareness through creative video editing. Participants are challenged to craft compelling videos that highlight environmental issues and solutions.

Congratulations to Shahaza Fathima C.T, a talented first-year CSE student from LBS Institute of Science and Technology for Women! She's emerged as the victorious champion in our 60-Second video. Her creative editing skills have truly stood out, showcasing her commitment to environmental themes.

About judges and delegates

Tech team IEEE MEA SB.
Few participants from various engineering colleges participated.

Review | Feedback

The "Milagros Environmental Video Editing Competition" was a fantastic display of creativity and love for the environment. The participants told amazing stories in their videos, teaching us important lessons about nature. They did a great job with editing, making the videos fun to watch. This competition mixed art and saving the planet, making everyone who watched it feel inspired.

23rd August 2023

PROVEZA

Objective of Event

The objective of the Proveza event, organized jointly by IEEE CS MEA SBC in collaboration with IEEE Edsoc young professionals and TACS MEA, was to offer students a unique opportunity to immerse themselves in the world of web development. Participants gained hands-on experience in creating functional and visually appealing portfolio websites using the emerging fastn Web Framework. Guided by distinguished expert Mr. Govindaraman S from Trizwit Labs, the workshop provided invaluable insights and practical knowledge in this dynamic field. With sessions covering web development using Python, MERN stack, and fastn framework, the event aimed to empower participants with the skills needed to excel in the ever-evolving landscape of web development.

On August 23, 2023, IEEE MEA SB and IEEE Edusoc Young Professionals jointly organized the Proveza event, which aimed to educate around 80 participants in web development. The event featured a morning session on the MERN stack by Techolas Technologies and an afternoon workshop on the fastn Web Framework led by Mr. Govindaraman S from Trizwit Labs. The objective was to provide hands-on experience and enrich participants' knowledge in modern web development practices, contributing to their professional growth.

Event Description

Proveza, an eagerly awaited event for young professionals, was successfully conducted through the joint efforts of IEEE CS MEA SBC and TACS MEA in collaboration with Young Professionals. This collaborative initiative aimed to provide participants with a unique opportunity to delve into the world of web development and gain hands-on experience in creating functional and visually appealing portfolio websites using the fastn Web Framework.

In the morning, from 9:30 AM to 12:00 PM, there was a detailed session about the MERN stack, which includes MongoDB, Express.js, React, and Node.js. This part aimed to give a strong foundation in current web development, to help participants succeed in their projects. Techolas Technologies played a big role in making this session successful.

After the morning session, there was an afternoon workshop from 2:00 PM to 4:20 PM. This workshop was led by Mr. Govindaraman S from Trizwit Labs and focused on the fastn Web Framework. The main focus was to give participants hands-on practice in creating functional and good-looking portfolio websites. Mr. Govindaraman S's deep knowledge and experience in web development made the training engaging and informative.

The event was a day full of active learning, thanks to the teamwork of all the organizers. Proveza didn't just meet expectations, it exceeded them for young

professionals eager to learn about web development. It showed how when people work together with dedication and expertise, participants can feel more capable and motivated to improve their web development skills.

About Attendees

About 80 members participated in this session.

Review | Feedback

The Proveza event was really awesome. The groups like IEEE CS MEA SBC, IEEE Edsoc young professionals, and TACS MEA, all worked together. They wanted to teach students how to make websites using something called fastn Web Framework. Mr. Govindaraman S, who knows a lot about making websites, was a big help. He taught the students a bunch of things about web development. They had three sessions on different ways to make websites. It was a super cool event! They talked about using Python, MERN stack, and making special websites with the fastn framework. It was a big success.

14th September 2023
TECHSPECTO

Objective of Event

The aim of Techspecto is to inspire and empower 8th standard students to actively engage with and develop a strong foundation in STEM (Science, Technology, Engineering, and Mathematics) fields, fostering a passion for learning and innovation.
Objectives:
Introduce STEM Concepts:

To introduce fundamental concepts in Science, Technology, Engineering, and Mathematics in an engaging and accessible manner.

Inspire Interest in STEM:

To spark curiosity and interest among students by showcasing real-world applications and success stories in STEM fields.

Interactive Workshops and Activities:

To provide hands-on, interactive workshops and activities that allow students to explore STEM concepts in a practical and enjoyable way.

Encourage Critical Thinking:

To encourage critical thinking and problem-solving skills through STEM-related challenges and activities.

Career Exploration:

To expose students to various STEM careers and highlight the importance of STEM education in shaping future career paths.

Event Description

Techspecto, an engaging and informative event, was organized for 8th standard students of Irshad English School, Melattur, with the aim of bridging the gap between secondary education and STEM (Science, Technology, Engineering, and Mathematics). The event featured distinguished speakers, namely Mr. Hashim, Mr. Hashim Althaf, Basim, and Mrs. Fathimath Hanan, each contributing their expertise in different domains.

The inaugural session, conducted by Mr. Hashim, set the tone for the event with a comprehensive overview titled "Introduction to Modern Technology and Engineering." Mr. Hashim provided valuable insights into the latest advancements in technology and engineering, giving the students a glimpse into the exciting world that awaits them beyond secondary education.

About delegates

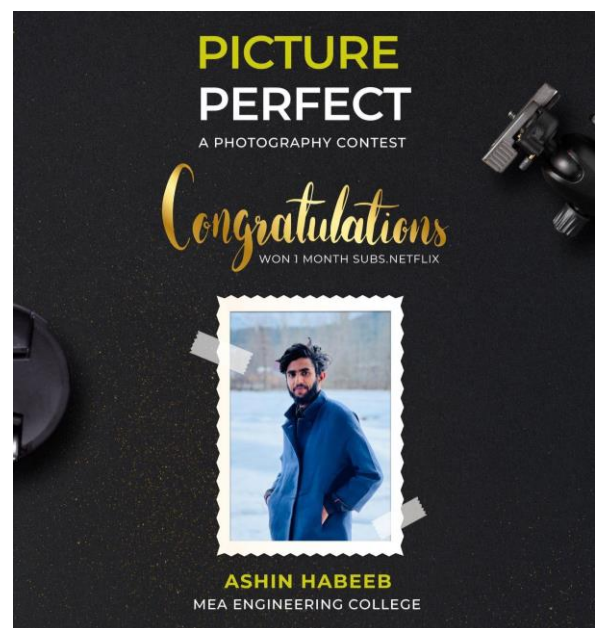8th standard students of Irshad English school, Melattur.

Review | Feedback

Overall, Techspecto successfully bridged the gap between secondary education and STEM, leaving a lasting impression and equipping students with newfound knowledge, inspiration, and skills for their academic and professional journeys.

20th SEP 2023

PICTURE PERFECT-
Photography Contest

Objective of Event

The main objective of the event aims to provide opportunities for the people to showcase their talents.

Event Description

IEEE WIE MEA AG conducted a photography contest ,PICTURE

PERFECT on the topic "THE ESSENCE OF MOTHERHOOD" which was held on 20th sep inorder to showcase their talent in photography.

There were 22 participants in the contest.Each pictures had its own quality and unique creation.It was hard to determine the winner of the contest.The reward for the winner was 1 month subscription of Netflix.

Review | Feedback

The event was graced by about 22 participants who made the event successful.The people who participated shared a great experience for giving an opportunity for displaying their skills.

23rd September 2023

ONLINE WEBINAR

Zoom

Objective of Event

The objective of the XTR - An Awareness on IEEEXTREME 17.0, held on September 23, 2023, was to inform IEEE MEA SB members about the global online competition, IEEEXTREME 17.0. The event aimed to create awareness among participants regarding the nature of the competition, emphasizing its unique format where teams of IEEE

students engage in a 24-hour programming challenge. The intention was to encourage participation and foster enthusiasm for the upcoming IEEEXTREME event.

Event Description

IEEE MEA SB successfully conducted "XTR - An Awareness on IEEEXTREME 17.0," an informative session focused on the global online programming competition, IEEEXTREME 17.0. Led by Mr. Adwaith Satheesh Kumar, the Chair of IEEEXTREME and a member of Sac-IEEE MGA Brand, the awareness program aimed to educate IEEE students about the challenges and opportunities presented by the competition.

During the session, Mr. Adwaith Satheesh Kumar provided valuable insights into IEEEXTREME 17.0, highlighting its significance and encouraging teams to participate in the programming challenges. The event served as a platform for IEEE students to understand the intricacies of the competition and foster their programming skills. In recognition of Mr. Adwaith Satheesh Kumar's contribution, a virtual memento was awarded, concluding the session on a positive note.

About 55 IEEE members from various Engineering Colleges across India attended the webinar.

Review | Feedback

This webinar provided valuable insights into the global online programming competition. Participants appreciated the informative session, gaining awareness about the challenges and opportunities presented by IEEEXTREME. Mr. Kumar's leadership and guidance were instrumental in creating a meaningful learning experience.

About Attendees

27th September 2023

AVERO - MEMBERSHIP DEVELOPMENT PROGRAM

Objective of Event

The event is intended at helping students get familiarized with the professional world, introducing them to the latest technological innovations and the benefits of IEEE membership.The main aim of the event is to give an orientation to the new fresher members about the IEEE membership.

Event Description

On September 27, 2023, the IEEE MEA SB organized an exceptional event, Avero'23, as part of its Membership Development Program. Avero'23 was exquisitely crafted to immerse attendees into the vast realm of IEEE, offering insights, experiences, and opportunities that showcased the organization's potential to enrich professional journeys.

The event commenced with a compelling address by Ms. Ayisha Jumaila and Mr. Ashhar Ali, esteemed members of the IEEE Executive Committee. Through sharing their personal journeys within IEEE, they illuminated the countless benefits and opportunities the organization offers. Their anecdotes resonated with attendees, providing tangible examples of how IEEE membership can catalyze professional growth.

Following the insightful narratives, Prof. Jemsheer Ahmed graced the stage, imparting invaluable counsel on the significance of mentorship within IEEE. His wisdom underscored the importance of fostering meaningful connections and utilizing the expertise of seasoned professionals within the IEEE community.

Avero'23 further enriched attendees' understanding of IEEE through a series of expert talks by Mohammed Marwan, PK Harsha, Shafinaz, and Mohammed Nifal CH. Each speaker brought forth unique perspectives on IEEE's global opportunities, emphasizing its role as a catalyst for innovation, collaboration, and advancement in various fields.

The event wasn't just about absorbing information; it was about forging connections. To facilitate meaningful interactions, an interactive ice-breaking session was meticulously organized. Attendees seized this opportunity to connect, exchange ideas, and establish valuable relationships within the IEEE community. The atmosphere buzzed with energy as like-minded individuals came together, united by their passion for technology and innovation.

Avero'23 left a lasting impact on its attendees, inspiring them to embark on their IEEE journey with renewed zeal and purpose. Armed with a deeper understanding of IEEE's vast ecosystem and supported by a network of peers and mentors, participants departed with the confidence to navigate and thrive within the dynamic landscape of technology and engineering.

In conclusion, Avero'23 was a resounding success, epitomizing the essence of the IEEE Membership Development Program by equipping individuals with the knowledge, connections, and inspiration needed to chart a course towards professional excellence within the IEEE community.

About Attendees

About 200 participants attended the session. There were a great number of active participants.

Review | Feedback

The orientation was conducted successfully. It gave the freshers a clear idea about the IEEE membership benefits and the membership procedures also got good feedback from the participants. The event was really interactive and everyone had a great time.