



DHWANI

THE RESONANCE OF YOUNG PROFESSIONALS

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ABOUT IEEE



IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities. There are over 427,000 IEEE members in over 190 countries, more than 64 percent of whom are from outside the United States. IEEE members are engineers, scientists, and allied professionals whose technical interests are rooted in electrical and computer sciences, engineering, and related disciplines. The highest grade of membership, IEEE Fellow, is attained through nomination by peers and approval by the IEEE Board of Directors for distinction in the profession. As the world's largest technical professional organization, IEEE offers a number of ways to get involved with technical and local communities. These communities are active participants in research and authorship, conferences, and important conversations about today's most relevant technical topics locally and globally. With 39 technical Societies, 10 geographic Regions that host over 10,000 local meetings annually, several affinity and special interest groups, humanitarian opportunities, and virtual communities and private groups through IEEE Collabratec[®], IEEE offers ample opportunity to network and grow professionally through communities.

IEEE EDUCATION SOCIETY



The IEEE Education Society (EdSoc) is a technical society of the Institute of Electrical and Electronics Engineers (IEEE) that is focused on the theory and practice of education and educational technology needed to deliver effective domain knowledge in the fields of interest of IEEE. The EdSoc has over 10,000 members worldwide, including educators, researchers, students, and industry professionals. The EdSoc is dedicated to advancing education through the development and dissemination of new knowledge and technologies. The EdSoc is a valuable resource for anyone interested in education technology. It offers a wide range of benefits to its members, including access to technical resources, networking opportunities, and career development tools. The IEEE Education Society is a great way to stay connected to the latest trends and developments in education technology, network with other professionals, and advance your career. If you are interested in education technology, I encourage you to consider joining the IEEE Education Society.

IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS ADHOC COMMITTEE



The IEEE Education Society Young Professionals (YP) Adhoc Committee is a community of IEEE members who have received their first professional degree within the last 15 years. The YP program is dedicated to providing young professionals with the resources and support they need to succeed in their careers.

The YP program offers a number of benefits to its members, including:

- Access to a network of young professionals in the field of education technology
- Opportunities to attend conferences and workshops on education technology
- Mentorship and career development resources
- Leadership opportunities

The YP program is also involved in a number of initiatives to promote education and technology. For example, the YP program sponsors the IEEE Education Society Leadership Summit, an annual event that brings together young professionals, educators, and industry leaders to discuss the latest trends and developments in education technology. The IEEE Education Society YP program is a valuable resource for young professionals who are interested in education technology. It offers a number of benefits that can help young professionals succeed in their careers and make a difference in the field of education.

MESSAGE FROM THE CHAIR



Dear fellow members,

Welcome Everyone, to the New Year and new opportunities to build the skills which will be an essential part of your career development plans. As a student and young professional in IEEE, you will significantly contribute to the engineering field's educational practices.

At IEEE Education Society, we are dedicated to advancing technical and scientific communication as an essential element of engineering, helping engineers, scientists, and other technically oriented professionals communicate better in the workplace. And with recent advancements in technology and AI making real impacts in our field, changing our practices and pedagogies, this will be an essential year for adapting our communication techniques and strategies.

We hope you can use the resources on our webpage, our newsletter, our experts, and our YP events to help you build those skills.

As your representative, I am excited to share some fantastic updates and upcoming events with you. This newsletter serves as a beacon of insight, connecting you to a global network of like-minded individuals, resources, and opportunities.

As the IEEE Education Society YP Adhoc Committee, we are committed to fostering the growth and development of educators, researchers, and practitioners like you who are shaping the future of education. To ensure you never miss an issue of the IEEE Education Society Young Professional Newsletter, make sure to subscribe and stay engaged with our dynamic community. We believe that knowledge is power, and together, we can inspire positive change in education and technology.

Thank you for being a part of our vibrant community of young professionals within the IEEE Education Society. Your dedication and passion are driving the future of education forward, and we are honoured to support you in your journey.

Connecting with our members is a top priority for me. I would love to hear your perspectives, ideas, and thoughts, so please don't hesitate to reach out. I look forward to speaking with you soon!

Lastly, we are currently looking for volunteers for a variety of exciting roles, including content writing, communication specialists, and event moderators. If you are interested in getting involved, please reach out to me at saiprashanth08@ieee.org.

Stay connected, stay inspired, and stay informed. Together, we will continue to transform education for a brighter future.

Thank you for being a part of our community, and I can't wait to see what the future holds!

Warm Regards,

Sai Prashanth Mallellu

IEEE TAB Committee Young Professionals Representative, IEEE Education Society

Chair, IEEE Education Society YP Ad Hoc Committee

CHIEF EDITOR MESSAGE



Dear Esteemed IEEE Educational Society YP Readers,

I extend my sincere gratitude for the privilege of serving as your newsletter editor. The opportunity to curate and present noteworthy content in our upcoming edition has been both an honor and a pleasure.

In this newsletter release, anticipate engaging narratives centered around noteworthy tech events, impactful collaborations among adept individuals, and successful networking endeavors within our community. The content will shed light on the progressive growth and remarkable achievements of our community. I encourage you to anticipate a compelling read, as we delve into the exciting developments and endeavors shaping our collective narrative.

You'll read about how our community is growing and doing amazing things. So, get ready for a fun time reading about all the amazing stuff happening with us.

Thank you once again for entrusting me with this responsibility, and I look forward to sharing these compelling stories with you.

Best Regards,

Surabhi Seetha

IEEE Educational Society YP Newsletter Editor

EDITORIAL TEAM MESSAGE

Dear Readers,

Greetings from the Editorial Team of the IEEE Education Society Young Professional Ad Hoc Committee Newsletter!

We're thrilled to bring you the latest insights and updates in the field of education and technology through this issue. Our newsletter for November 2023 to January 2024 is here. It's not just about events – it's an engaging story of how we've been growing and achieving things together.

In this edition, we aim to stimulate critical thinking about the future of education and technology, encouraging innovative approaches to enhance the learning experience for students worldwide. As we delve into the articles, we hope they inspire you to explore new avenues and contribute to the ongoing discourse in the field.

Looking ahead, we envision the IEEE Education Society Newsletter as a dynamic platform fostering innovation and collaboration. As you read, remember the good things we've done and look forward to the cool stuff coming up. This isn't just a newsletter; it's a celebration of our teamwork and ideas. Get ready for a fun read that shows where we've been and where we're heading.

A heartfelt thank you to our dedicated contributors for their insightful articles, and to our readers for your continued support. Your engagement fuels the success of our newsletter.

Stay inspired, stay informed!

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IEEE Education Society YP Ad Hoc Committee Newsletter

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IEEE EDUCATION SOCIETY LEADERSHIP SUMMIT 2023



Day 1 :

The IEEE Education Society Leadership Summit 2023 (IEEE Education Society Symposium & IEEE Education Society Career Connect) took place at ANITS College, Vizag, from October 12th to 14th, 2023. The Registration desk opened at 8:00 am, and the event commenced with a welcoming dance performance and the ceremonial lighting of the lamp, featuring the esteemed guests:

1. Dr. J. Vijay Kumar, HOD EEE & Advisor, IEEE ANITS EdSoc Chapter
2. Dr. P E S N Krishna Prasad, Professor - CSE & Advisor, IEEE ANITS
3. Dr. K. Sri Rama Krishna, Principal, ANITS
4. Sri. D.J. Bharat Reddy, General Secretary, ANES
5. Sri. K. Niranjan Kumar, CEO, ANES
6. Mr. M Sai Prashanth, IEEE Education Society YP IEEE TAB Representative
7. Mr. Sabarinath G Pillai, Secretary IEEE India Council
8. Mr. Puneet Kumar Mishra, Board of Governors, IEEE AESS
9. Dr. Prashant R Nair, Chair IEEE MGA IEEE.TV Committee
10. Prof. Abderrahim Benslimane, Masters in networks, University of Avignon, France
11. Prof. Lakshminarayana Sadasivuni, SAC IEEE Vizag Bay Section
12. Mr. Deepak Mathur, IEEE MGA VP Elect
13. Mr. Santosh Kumar Balivada, CEO of Centre of Excellence for Additive Manufacturing (COE AM), AMTZ
14. Dr. Sriram Birudavolu, CEO, of Cybersecurity Centre of Excellence, a Joint Initiative of DSCI (Data Security Council of India) & and Telangana

15. Dr. Abraham Varughese - Outstanding Scientist & Director, Naval Science & Technological Laboratory, DRDO, Govt of India Chair, IEEE VIZAG BAY SECTION

Following this, the inauguration was marked by the celebration of the 50th Anniversary of IEEE AESS. Subsequently, Dr. Preethi Bajaj delivered a talk on Education Data Mining, Start-ups in EdTech, and the Challenges and Opportunities in Curriculum Design for First-Year Engineering students. The field of educational technology, or EdTech, has witnessed a remarkable surge in start-ups, revolutionizing the way we access, consume, and deliver education. First-year engineering students represent the future of technological innovation; however, designing an effective curriculum for them presents both challenges and opportunities.

The session was followed by a talk on Evolving and Driving Opportunities through IEEE.tv by Dr. Prashant Nair. IEEE.tv has made significant progress since its inception, embracing technology to revolutionize the dissemination of information. Its continuously growing content library is vital in an era marked by astonishing technological advancements. A delightful luncheon followed, accompanied by IEEE Day celebrations at 1:00 pm.



Distinguished speaker Abderrahim Benslimane, a Professor specializing in Networks, Telecoms, and Multimedia at the University of Avignon, France, highlighted the opportunities in networks, telecoms, and multimedia. This was followed by a session on the Joy of Volunteering through IEEE AESS and Its Member Benefits by Mr. Puneet Kumar Mishra, motivating young minds by explaining the advantages of being an IEEE member, both as a student and as a professional.

We are thrilled to run parallel tracks alongside this event, underscoring our alignment with its mission, goals, vision, and our commitment to working together to achieve shared objectives. These parallel tracks include:

- MOU Signing with CCOE & Excel R: Invite Only
- Workshop: Google Machine Learning Xplore by Mr. Anees Ahmed
- Coding Contest: Open Invite (Women Coders)
- Workshop: Google Machine Learning Xplore by Mr. Anees Ahmed
- Workshop: IEEE WIE Leadership Training & Brainstorming

The day concluded with talks on IEEE Collabratec, IEEE Puzzlers, IEEEExtreme, IEEE Day, and insights from the event sponsors on career progression. The IEEE Education Society YP Panel Discussion delved deep into initiatives such as STEP, YP Webinar Series, Edumentor, ACES, and Eduverse, followed by cultural performances and an exciting flash mob.



Day 2:

Following the grand opening of the IEEE Educational Society 2023 event on the first day, the second day proved to be a whirlwind of activity. Commencing at 9 am, the day began with a vibrant display of traditional and ethnic attire, setting a lively tone for the proceedings. The college premises transformed into a spectacular display of colors and styles, as participants and attendees arrived dressed in their finest, creating a visually stunning and diverse backdrop.

The centerpiece of the day was a series of five concurrent workshops that ran from 9 am to 4 pm. These workshops covered a wide range of topics, catering to the diverse interests of the attendees. Among these workshops were "I am Remarkable" by Ms. Bala Tripura Sundari, "The Google Machine Learning Workshop" led by Mr. Anees Ahmed, a "Cybersecurity and Digital Forensics Workshop" by Mr. Sai Krishna Singapuram, a session on "Flutter and its Applications" presented by Mr. Vasanth Karada, and a "Full Stack Web Development Workshop" conducted by Mr. Ajit Garg. Participants had the opportunity to select workshops aligned with their personal interests, ensuring that everyone engaged with subjects that appealed to them.

These workshops were not only informative but also highly interactive, offering attendees the chance to participate in quizzes and small competitions related to their respective subjects. Concurrently, the Young Professional (YP) team held a meeting in the Conference Hall to discuss future steps for a successful year ahead, making key decisions that would soon be announced for the benefit of the society and the team.



During the event, amidst informative workshops and a delightful high tea, attendees were enriched with insights into "Antennas & Aerospace Technology" by Dr. Srinivas Nukala and Dr. Puneeth Mishra. The day included the celebration of the 75th SPS Anniversary. Subsequently, Celia Shahnaz, Ph.D., SMIEEE, the 2023-24 IEEE WIE Committee Chair, shared valuable perspectives on "IEEE WIE Leadership & Opportunities."

At 12:30 pm, a well-deserved lunch break was announced, allowing everyone to savor delicious meals facilitated by food coupons. After refueling, attendees returned to their workshop sessions, where they gained practical, hands-on experience that allowed them to apply theoretical knowledge to real-world scenarios. In parallel, Dr. Rajani Devi and Dr. Kola Tirupatiha presented on "Communication & 5G, RF Technologies." The day's program also featured a distinguished talk by Dr. Nalin Sharda, an IEEE Distinguished Lecturer and Lead Cloud Instructor at Generation Australia, focusing on "Volunteering and Strategic Initiatives through IEEE Education Society."

As part of the "IEEE WIE Leadership & Brainstorm Workshop," 40 representatives from various affiliations were selected for an industrial visit to the Floating Solar Panel industry in Vizag.



As the clock struck 4 pm, all participants, members, and faculty gathered for a much-needed refreshment break. Additionally, IEEE Edusoc T-shirts for the third day were distributed to the participants, providing a tangible reminder of their participation in the event. Following this, Dr. Martín Llamas Nistal, an IEEE Life Fellow and President of IEEE Foundations, elaborated on the "Benefits and Opportunities offered by IEEE Foundations," which students found very insightful and intriguing. The evening continued with the celebration of the IEEE Foundations' 50th Anniversary and a Cake Cutting Ceremony.

The day culminated with the announcement of awards. Those who excelled in the competitions held during the day were recognized, faculty members were acknowledged for their invaluable contributions, and each Young Professional (YP) team member was thanked for their tireless efforts in making the event a success. The organizers expressed their gratitude to ANITS College for hosting the event.

The day concluded on a reflective note, with participants sharing their experiences. It was revealed that the next IEEE EduSoc event would take place in Bangalore, leaving everyone excited about the future. To wrap up the evening, a live music and DJ performance was held at the basketball ground from 7 pm to 9 pm, creating a festive atmosphere and providing everyone with a chance to unwind and celebrate their shared experiences.

With a mixture of exhaustion and anticipation, attendees retired for the night, eagerly looking forward to what the next day would bring. The second day had been a whirlwind of learning, interaction, and celebration, setting the stage for the event's grand finale.



Day 3:

On the third and final day of the IEEE Educational Society 2023 event, the entire group embarked on a team outing to the AMTZ Industrial Park. Early in the morning, participants and members of the IEEE Educational Society donned their respective T-shirts, with participants wearing blue and the Young Professional (YP) Team representing the event in vibrant orange. The day kicked off with a palpable sense of excitement as everyone gathered on the basketball ground for group photos. However, there was a special environmental activity in store—a plantation drive in collaboration with the faculty members of Anits College. Together, they planted small trees, contributing to a greener environment, before commencing their adventure.

With spirits running high, the group boarded the buses for the journey to the AMTZ Industrial Park. The bus ride was characterized by camaraderie, as team members and participants engaged in lively conversations, shared snacks, and even sang songs. Time seemed to pass quickly, and before they knew it, they had reached their destination. Upon arrival at AMTZ around noon, the group's first stop was the convention center. There, they explored various halls, capturing moments with photographs and immersing themselves in the ambiance of the place. One standout feature of their visit was the pyramid, showcasing an array of biomedical instruments and machinery. The impeccably maintained facility not only appealed to the eye but also offered substantial educational value.



Following the exploration, it was time for a hearty, full-course lunch. The day was further sweetened with delightful ice cream for dessert. To the group's delight, there was also an opportunity to visit the G20 summit building, known as "E-Minus," which served as an office space. It was here that certificates of participation were distributed, serving as tangible reminders of their time at the event. The group made sure to capture these moments with numerous photographs.

Later in the evening, the group congregated in the convention hall for a session shedding light on the industry and the future of AMTZ. The insightful talk left everyone with a deeper understanding of the industrial landscape they had explored.

After a fulfilling day, it was finally time to return to the buses at 5 pm. The group boarded the buses, tired but content, having experienced a fulfilling and informative day. As they commenced their journey back to the college, they shared photos, recounted their day's experiences, and sang songs, making the return trip as enjoyable as the rest of their adventure. By 8 pm, they had safely arrived back at the college, bringing a gratifying conclusion to their memorable outing at AMTZ Industrial Park.



IEEE Education Society | IEEE youngprofessionals | IEEE young professionals | IEEE Leadership Summit | IEEE ANITS SB

AESS | 50th Anniversary | **Meet our Speaker**

IEEE Aerospace and Electronic Systems Society

Talk on Exploring Opportunities Through IEEE Aerospace and Electronic Systems Society

Puneet Kumar Mishra
Board of Governors - IEEE AESS Society

2MW GRID INTERACTIVE FLOATING SOLAR POWER PROJECT
MUDSARLOVA RESERVOIR, VISAKHAPATNAM
UNDER SMART CITY MISSION

Developer: GREATER VISAKHAPATNAM SMART CITY Corp.Ltd.
EPC Contractor: PES ENGINEERS PRIVATE LIMITED
RAJ BHAVAN ROAD, HYDERABAD
PROJECT COST: ₹1.36 Crore
PMC: APUIAML

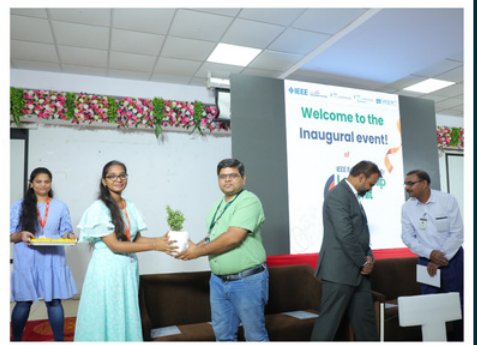
Women in Engineering

GPS Map C.

Visakhapatnam, Andhra Pradesh, India
078X-X65, Mudsarlova, Sundarayya Nagar, Durga Nagar, Arilova, Visakhapatnam, Andhra Pradesh, India
530040, India
Lat 17.767394°
Long 83.297453°
13/10/23 01:16 PM GMT +05:30

GLIMPSE OF THE SUMMIT

















IEEE EDSOC YP PHYSICAL MEET



In a momentous gathering of the IEEE Education Society Young Professionals (YP) Ad-Hoc Committee, Secretary Ayisha welcomed attendees, expressing gratitude for the committee's remarkable accomplishments. Updates from Vice Chairs and Representatives on 13th October 2023, showcased the success of initiatives like Edumentor and the IEEE PreXtreme coding competition. The Newsletter Committee and Social Media and website team reported on their impactful communication strategies. A vibrant discussion on the ongoing summit highlighted its excellence, with the Chair, M Sai Prashanth, commending the collaborative efforts of the team. The meeting saw a transition in leadership through elections, resulting in the selection of Vice Chairs and the Chair, setting the stage for the committee's future endeavors. Guest Mr. Sabarinath offered valuable insights and suggested new Vice Chair positions. The meeting concluded with an Awards Ceremony, recognizing the dedication of committee members. Secretary Ayisha expressed optimism for the newly elected team's successful tenure, concluding the gathering with gratitude for active participation.

IEEE ComSoc WICE Track



IEEE Education Society
Leadership Summit
2023

Presents

IEEE ComSoc WICE Track

				
DR. PREETI BAJAJ Vice Chair Membership Activities, IEEE Region 10	BAEK - YOUNG CHOI Chai, IEEE ComSoc WICE	DR. RAJANI DEVI M Associate Professor CIET Guntur	BALA TRIPURA SUNDARI Women TechMakers Ambassador, Vizag	AYISHA E A Engineer Operations APAR Connect Dubai
				
GNTUR RENU Associate - Cybersecurity Centre of Excellence	DIVYA CHHABARIA Freelance Web & DecOps Engineer	SURABHI SEETHA ML Data Associate, Alexa Services, Amazon	RAJANI MANCHINEELLA Graduate Engineer Trainee HCL Technologies	RAJANI MANCHINEELLA Programmer Analyst Trainee, Cognizant

Highlights

- Coding Contest for Women Coders
- Mentor and Mentee Connect
- Talk on Advancements in 6G communication Technologies
- Panel on Women in STEM & Engineering Career Growth
- Workshop on Cybersecurity and Digital Forensics

Date: 13th October 2023
Venue: ANITS SB, Vizag
Register at: bit.ly/IEEEEDSOCSUMMIT

ComSoc WICE IEEE ComSoc IEEE young professionals EDUCATION SOCIETY

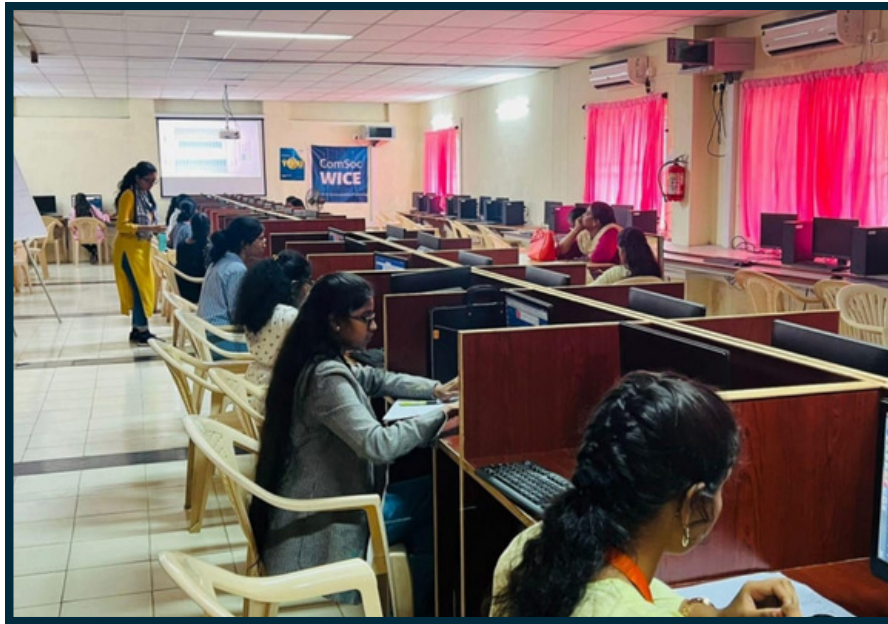
This track was mainly focused on

- Hands on Workshop on Cybersecurity and Digital Forensics
- Coding Contest for Women Coders
- Mentor and Mentee Interaction Workshop planning on mentoring activity Plenary
- Talk on Advancements in 6G Communication Technologies
- Panel Discussion on Women in STEM & Engineering Career

Such workshops are invaluable for individuals and organizations looking to bolster their cybersecurity and digital forensics capabilities, as they provide both theoretical knowledge and practical experience in dealing with security threats and digital investigations. Introduction to digital forensics, its importance in cyber investigations and Overview of cybersecurity concepts, importance, and the evolving threat landscape.

1. Practical exercises on setting up a secure environment.
2. Identifying vulnerabilities and potential threats.
3. Conducting network and system security assessments.
4. Learning to use various cybersecurity tools and software.

Hosting a coding contest specifically for women coders is a great way to encourage and support diversity in the tech industry.



The main objectives of this coding contest are It Promotes diversity and inclusion in the tech industry. Showcases the coding talents of women coders. Providing a platform for networking and skill development. Encouraging women to pursue careers in technology. A panel discussion like this can serve as a platform for sharing experiences, strategies, and insights to empower women in STEM and engineering, while also inspiring others to work towards greater diversity and inclusion in these fields.



The program's conclusion was marked by a Mentor and Mentee Interaction Workshop, where participants had the opportunity to reflect on their mentoring experiences. This event served as a platform for mentors and mentees to celebrate their achievements and to engage in discussions about their future plans. It was a moment to recognize and appreciate the growth and success that had been achieved through these meaningful mentoring relationships. The IEEE Education Society Leadership Summit provided an ideal backdrop for this culmination, emphasizing the program's commitment to fostering professional and personal growth within the society.



Event Impact:

The impact of the IEEE Comsoc WICE Track Event resonated deeply with its diverse audience. Participants, numbering 400 strong, left the event with a newfound confidence in their ability to secure digital environments. Practical exercises on setting up secure systems had a profound effect on their skill sets, empowering them to contribute to the defense of critical digital infrastructures. They departed with the knowledge and practical experience needed to identify vulnerabilities and potential threats, thereby making a tangible difference in the realm of cybersecurity.

For women in the tech industry, the coding contest was a source of inspiration and motivation. It showcased the incredible coding talents of female coders, proving that they are just as capable and innovative as their male counterparts. The event spurred a sense of empowerment, pushing women to pursue careers in technology with greater determination.

Networking opportunities and skill development platforms provided by the event fostered a strong sense of community and camaraderie among the attendees. This not only bolstered their professional connections but also left them feeling more integrated and valued within the tech industry.

In summary, the impact of the IEEE Comsoc WICE Track Event was profound. It left participants with enhanced cybersecurity skills, inspired a new generation of female tech enthusiasts, and provided them with a supportive network to propel their careers forward. The event empowered its audience to contribute positively to the tech industry and reinforced the importance of diversity and inclusion in the field.

IEEE SPS SPECIAL TRACK

IEEE ANITS SB

IEEE Signal Processing Society
CELEBRATING 75 YEARS

Presents
IEEE SPS Special Track & 75th Anniversary of IEEE SPS

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Senior Member, IEEE
HOD ECE MECS, Hyderabad.
Expert in Antennas, 5G, RF Technologies

Dr. Rajani Devi, M
Associate Professor, CIET Guntur &
IEEE Senior Member

Dr. J. Vijaya Kumar
HOD, Electrical and Electronics Engineering, ANITS
Advisor, IEEE ANITS SPS Student Chapter

Sarath S
Recipient of IEEE SPS Regional/
Chapter Service Award

Muhammed Nifal CH
Global Winner of IEEE SPS 5 Minute
Video Clip Contest

Harsha PK
Global Winner of IEEE SPS 5 Minute
Video Clip Contest

Joyce Christina
Chair IEEE ANITS SPS Student Chapter

Raj Paul,
Vice Chair IEEE ANITS SPS Student Chapter

HIGHLIGHTS

- Talk on Bio Medical Speech Processing & Its Applications
- IEEE Signal Processing Society Membership Drive
- Workshop on Machine Learning & Its Applications in the Field of Signal Processing
- 75th Anniversary Celebrations of IEEE SPS

leadershipsummit2023.netlify.app

Any Queries, Contact - Prashanth: +91 70933 19953

12 - 14 October 2023
ANITS, Visakhapatnam

Event Name: IEEE Education Society Leadership Summit 2023

Dates: 12th October 2023 - 14th October 2023

Venue: IEEE ANITS Student Branch

Participants: 400

- Talk on Bio Medical Speech Processing & Its Applications
- IEEE Signal Processing Society Membership Drive
- Workshop on Machine Learning & Its Applications in the Field of Signal Processing
- 75th Anniversary Celebrations of IEEE SPS



A talk on biomedical speech processing and its applications has raised awareness about the innovative solutions that technology that can offer in the medical field and inspire further research and development in this area.

A workshop on machine learning and its applications in signal processing had empowered participants to leverage the latest technological advancements in their work, research, or projects, fostering innovation and collaboration in this rapidly evolving field. A well-executed IEEE Signal Processing Society membership drive can help expand the society, foster collaboration among signal processing professionals, and create a vibrant community of members dedicated to advancing signal processing technologies and research.

The 75th anniversary celebration of the IEEE Signal Processing Society is an opportunity to honor the society's history, recognize its achievements, and inspire the next generation of signal processing professionals. It can also strengthen the sense of community among members and promote the continued advancement of signal processing technologies and research.



Event Impact:

The IEEE EdSoc Leadership Summit, a gathering of 400 participants, left an indelible mark on its audience through a diverse and enriching program that offered both knowledge and inspiration. The event commenced with a captivating talk on "Bio Medical Speech Processing & Its Applications." This insightful presentation delved into the innovative realm of healthcare technology, shedding light on how speech analysis can transform medical diagnostics. The workshop on "Machine Learning & Its Applications in the Field of Signal Processing" was a valuable addition to the event. It provided attendees with practical skills in machine learning, an essential component of modern signal processing. This workshop equipped participants with the tools and knowledge they need to tackle the complex challenges faced in the signal processing domain.

The 75th Anniversary Celebrations of IEEE SPS were a momentous occasion that went beyond mere festivities. It served as a platform to honor the society's remarkable history, applaud its numerous achievements, and inspire the next generation of signal processing professionals.

In sum, the impact of the IEEE EdSoc Leadership Summit was both broad and deep. It promoted learning, collaboration, and a strong sense of community among its attendees.

AESS

IEEE Education Society | IEEE young professionals | IEEE ANITS SB

AESS | 50th Anniversary | *Meet our Speaker*

IEEE Aerospace and Electronic Systems Society

Talk on Exploring Opportunities Through IEEE Aerospace and Electronic Systems Society

Puneet Kumar Mishra
Board of Governors - IEEE AESS Society
Head, Satellite Antenna Characterization, Test & Design Section at U R RAO SATELLITE CENTRE

leadershipsummit2023.netlify.app

Any Queries, Contact - Sarath : +91 89070 53455

12-14 Oct | IEEE Education Society | ANITS, Vizag

Overview of IEEE AESS:

Provides a comprehensive overview of the society, its mission, and its role in the aerospace and electronic systems domain.

Membership Benefits:

The advantages of becoming a member of IEEE AESS, including access to resources, publications, and networking opportunities.

- Industry Trends and Research Areas
- Current Trends in Aerospace and Electronic Systems:
- Opportunities and Activities

Technical Committees and Chapters:

The role of technical committees and local chapters in facilitating technical discussions and networking.

Conferences and Publications:

IEEE AESS-sponsored conferences, journals, and publications where members can present their research and stay updated on the latest developments.

Awards and Scholarships:

Recognition opportunities and scholarships offered by IEEE AESS for outstanding contributions and academic pursuits.

Career Development Through IEEE AESS:

How involvement with IEEE AESS can benefit one's career development, including job opportunities and skill enhancement.

Mentorship and Networking:

Emphasized the importance of mentorship and the value of networking within the IEEE AESS community.

A talk on exploring opportunities through IEEE Aerospace and Electronic Systems Society serves as a guide for professionals and researchers interested in this field. It offers a platform to understand the society's role, industry trends, and the numerous ways in which one can benefit from IEEE AESS membership.



50th Anniversary

Celebrating 50 years of the IEEE Aerospace and Electronic Systems Society (AESS) is a significant milestone. A 50th-anniversary celebration of IEEE AESS is an opportunity to honor the society's history, recognize its achievements, and inspire the next generation of aerospace and electronic systems professionals. It also fosters a sense of community among members and promotes the continued advancement of aerospace and electronic systems technologies and research.

Event Impact:

Stepping into a world where aerospace and electronic systems innovation takes center stage. In a recent event, Puneet Kumar Mishra, a distinguished member of the Board of Governors of IEEE Aerospace and Electronic Systems Society (AESS), offered a compelling talk titled "Exploring Opportunities Through IEEE Aerospace and Electronic Systems Society." This event marked a momentous occasion, celebrating 50 years of IEEE AESS's remarkable journey.



As the event unfolded, attendees embarked on a journey through the history and mission of IEEE AESS. They gained a profound understanding of the society's vital role in shaping the aerospace and electronic systems landscape.

It was a glimpse into the heartbeat of an organization that has significantly impacted the industry for half a century.

One of the highlights of this event was the revelation of the numerous benefits of IEEE AESS membership. Attendees learned that becoming a member unlocked a treasure trove of resources and offered invaluable networking opportunities, setting the stage for powerful career advancement. It was a chance to explore the roadmap to professional growth.

The event also served as a window into the dynamic world of industry trends and opportunities. Attendees discovered the vibrancy of technical committees, which fostered meaningful discussions and valuable networking within the IEEE AESS community. They explored the rich tapestry of IEEE AESS-sponsored conferences, journals, and publications, enabling them to stay on the cutting edge of developments in the field.

Moreover, the event uncovered the secrets to career development. It revealed promising job opportunities, avenues for skill enhancement, mentorship programs, and the importance of a robust professional network within the IEEE AESS community. These insights were nothing short of a compass guiding attendees towards promising futures.

As the event culminated, it was a moment of celebration. Attendees not only gained insights into IEEE AESS and its offerings, but they also became a part of a celebration of 50 years of excellence. The event left an indelible mark, igniting the passion of professionals and researchers in the aerospace and electronic systems domain, offering them a roadmap to navigate a future teeming with possibilities. It was a journey that celebrated the past while inspiring the future.



IEEE.Tv



The poster features a header with logos for IEEE, IEEE Education Society, IEEE youngprofessionals, IEEE youngprofessionals EDUCATION SOCIETY, IEEE ANITS SB, and ANITS. Below this, the text reads "IEEE Education Society SYMPOSIUM" and "CAREER CONNECT". The main title is "IEEE Leaders Interview with IEEE Education Society YP Members". An illustration shows three people sitting around a table. To the right, a box lists "Our Sponsors" as "IEEE Mentoring-Meet" and "IEEE.tv". At the bottom, it specifies the dates "12-14 Oct" and the location "Four Points by Sheraton Visakhapatnam". Social media icons for LinkedIn, Twitter, and Facebook are also present, along with the text "IEEE Education Society".

IEEE Leaders Interview with IEEE Education Society YP Members

An interview with IEEE leaders can offer YP members valuable insights, mentorship, and opportunities to connect with established professionals in their field. It's a meaningful way to support the professional growth of young professionals within the IEEE Education Society. The interview began with Abderrahim Benslimane, Professor, Masters programme in networks, University of Avignon, France. As Professor is into IOT field, he eloquently stated the most exciting development in field of research and IOT in the terms of cutting edge areas highlighting the benefits and opportunities it offers to young professionals and students interested in engineering education. The second interview was with Interview with Sabarinath G Pillai Secretary, IEEE India Council who shared his experiences and success stories related to involvement with IEEE. Sir succinctly conveyed what future holds for IEEE and how it can continue to be a leader in the field of electrical and electronics engineering.

The last interview was with Dr. Nalin Sharda, IEEE Distinguished Lecturer, Lead Cloud Instructor, Generation Australia who effectively verbalized what motivated him to become a member of IEEE, and how it has impacted the career.



Interview with Abderrahim Benslimane, Professor, Masters programme in networks, University of Avignon, France



Interview Link: <https://ieeetv.ieee.org/channels/yp/conversation-with-dr-abderrahim-benslimane-professor-of-computer-science-university-of-avignon-france-and-ieee-vts-distinguished-lecturer>

INTERVIEW WITH SABARINATH G PILLAI SECRETARY, IEEE INDIA COUNCIL



Interview Link: <https://ieeetv.ieee.org/channels/yp/my-volunteering-experience-with-ieee-a-conversation-with-mr-sabarinath-g-pillai-secretary-ieee-india-council>

Interview with Dr. Nalin Sharda, IEEE Distinguished Lecturer, Lead Cloud Instructor, Generation Australia



Interview Link: <https://ieeetv.ieee.org/channels/yp/conversation-with-dr-nalin-sarda-ieee-education-society-distinguished-lecturer>

A talk on Evolving and Driving Opportunities through IEEE.tv by Dr. Prashant Nair. IEEE.tv has made significant progress since its inception, embracing technology to revolutionize the dissemination of information.



- Its continuously growing content library is vital in an era marked by astonishing technological advancements. IEEE has been a beacon of technological advancement and knowledge dissemination for over a century. It's an organization that thrives on innovation, constantly evolving to meet the ever-changing needs of its members and the global tech community.
- IEEE.tv, as an integral part of this organization, exemplifies the concept of evolving and driving opportunities. IEEE.tv is more than just a video platform. It's a window into the future of technology and a bridge to new opportunities. Whether you're an early-career engineer or a seasoned professional, IEEE.tv offers a wealth of resources, from educational content to in-depth technical discussions.
- This platform is your tool for unlocking new horizons in your professional development. In the fast-paced world of technology, staying current is crucial.
- IEEE.tv provides us with up-to-the-minute insights, allowing us to evolve with the latest trends and innovations. Whether it's AI, renewable energy, cybersecurity, or any other field, the wealth of content available on IEEE.tv helps us stay relevant.
- IEEE.tv is a platform that facilitates networking and collaboration. It allows us to connect with like-minded professionals, share our own knowledge, and create opportunities for collaboration.
- These connections can lead to projects, partnerships, and career advancements that we might not have envisioned otherwise. IEEE.tv also provides a platform for content creation. By sharing your own research, projects, or experiences, you contribute to the global body of knowledge. You become a part of the solution, driving opportunities for change and innovation.



MTTS TRACK

The IEEE MTTs Track at the Education Society Leadership Summit 2023, hosted at the IEEE ANITS Student Branch from October 12th to October 14th, gathered 400 participants for an enriching and dynamic experience.



The poster features logos for IEEE, IEEE Antennas and Propagation Society (AP S), AESS, IEEE Young Professionals, and IEEE ANITS SB. The main title is "Presents IEEE Microwave Theory & Technology Society Symposium".

Speakers:

- Puneet Kumar Mishra**
Board of Governors - IEEE AESS Society
Head, Satellite Antenna Characterization, Test & Design Section at U R RAO SATELLITE CENTRE
- Srinivas Nukala**
Senior Member, IEEE
HOD ECE MECS, Hyderabad
Expert in Antennas, 5G, RF Technologies
- Dr. Thirupathi Kola**
Associate Professor, ECE
K. L. Hyderabad
- Dr. Rajani Devi, M**
Associate Professor, CET Guntur &
IEEE Senior Member
- Sai Prashanth Mallelu**
IEEE MTT-s Ambassador

HIGHLIGHTS

- Hands on Workshop with HFSS Tools and Its Applications for Antenna Designing
- Coding Contest for Women Coders
- Mentor and Mentee Interaction Workshop for Students & Professionals
- Plenary Talk on Digital Transformation & advances in Communication networks and evolution from 1G to 5G beyond
- Panel Discussion on Career Opportunities in Bio Medical & AI Antennas and Future Scope
- IEEE MTTs & APs Membership Drive

Event Details:

- 13th October 2023
- ANITS, Visakhapatnam
- Register Now
- bit.ly/IEEEEDSOCSUMMIT

Organized under IEEE MTT-s Ambassador Program 2023

Any Queries, Contact - Prashanth: +91 70933 19953

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Highlighted Activities:

- **Hands-on HFSS Tools Workshop:** The hands-on workshop immersed participants in the practical applications of HFSS tools for antenna designing, providing valuable insights and skills.
- **Coding Contest for Women Coders:** Creating a supportive environment, the coding contest addressed gender gaps in programming, fostering a sense of community and empowerment among female coders.
- **Mentor and Mentee Interaction Workshop:** This structured workshop facilitated knowledge-sharing and guidance among students and professionals, contributing to personal and professional growth within the field.
- **Plenary Talk: "Digital Transformation & Advances in Communication Networks":** The plenary talk explored the evolution from 1G to 5G and beyond, offering insights into mobile communication, 5G technology impact, digital transformation, challenges, regulations, and future prospects.
- **Panel Discussion on Career Opportunities:** A comprehensive panel discussion illuminated promising career paths in Bio Medical & AI Antennas, empowering participants to make informed decisions about their professional futures.
- **MTTS & APS Membership Drive:** The well-executed membership drive aimed to expand the MTTs and APS societies, fostering collaboration and creating a vibrant community dedicated to microwave theory, antennas, and propagation research.

Event Impact:

The MTTs Track at the Education Society Leadership Summit left a lasting impact on its diverse audience, promoting skill development, gender diversity, mentorship, and knowledge exchange. The multifaceted activities ensured participants were well-versed in the latest advancements and challenges within the field. Altogether, this event reinforced a stronger sense of belonging within the IEEE community, paving the way for collective progress.



IMPORTANT ACTIVITIES IN 2023-24

The way a team plays determines its success. You may have the greatest bunch of individual stars in the world, but if they do not play together, the club will not be worth a dime

During the Last Quarter of 2023, I have got an opportunity being the IEEE Education Society YP Representative to attend the major IEEE Conferences and IEEE Meetings across various platforms and opportunity to meet the IEEE Global Leaders and Interact on Future activities and collaborations with IEEE Education Society YP Activities and bringing the diversity and inclusion in our IEEE Education Society YP Team.

We have got the opportunity to Meet and Work on collaboration with the Jitendra Sharma, Managing Director and CEO of the Andhra Pradesh MedTech Zone (AMTZ), one of world's largest medical technology manufacturing clusters and had the opportunity to view the future collaboration educational activities under YP and learning practices in the stream of Medical Technology.





IEEE EDUCATION SOCIETY INDUSTRY FORUM & MEMBER ENGAGEMENT PROGRAM:



Industry Forum under IEEE Education Society YP consists of presentations and panel discussions aimed at research topics important to industrial and business-related IoT issues. It has also provided detailed technical information about key technologies and business innovations essential for developing IoT-related hardware, software, systems, and operations. The presentations have addressed the practical aspects of IoT implementation and experiences from real-life applications or actual deployments. The emphasis is on accelerating the adoption and penetration of IoT solutions, lessons learned from deployments and end-to-solutions, and delivering value to society.



IEEE EDUCATION SOCIETY YP TEAM OUT & SOCIAL NETWORKING:



This event got the committee members to meet and bond where IEEE celebrated the IEEE Edsoc YP Team's success during the previous years, looking forward for the coming promising year!



ABHIGYAAN 2.0



Mr. M Sai Prashanth, CHAIR, YP Representative, IEEE Education Society YP Adhoc Committee, on 17th-18th November, 10 am to 12:30 pm at Sumathi Reddy Institute of Technology Women; led the students through the hands-on Workshop with a total of 150 participants. Blockchain technology has emerged as a transformative force, fundamentally altering the way we record, verify, and transact digital information. At its core, blockchain is a decentralized and secure ledger that enables trust among participants without the need for a central authority. This innovation finds its roots in cryptocurrencies like Bitcoin, where it ensures the integrity of transactions through cryptographic techniques.

Beyond cryptocurrencies, the applications of blockchain span diverse industries. In supply chain management, blockchain enhances transparency by providing an immutable and auditable record of the journey of goods from production to delivery. Financial services benefit from faster and more cost-effective cross-border transactions, facilitated by the elimination of intermediaries. Ethereum, a blockchain platform, has pioneered the use of smart contracts, self-executing agreements that automate and enforce contractual terms, reducing the need for intermediaries in various legal and financial processes.



Blockchain ensures transparent and tamper-resistant elections, addressing concerns related to electoral fraud. Smart cities leverage blockchain to secure data sharing in Internet of Things (IoT) applications, and energy trading can be optimized through peer-to-peer transactions on a blockchain.

despite its transformative potential, blockchain faces challenges such as scalability and regulatory concerns. Ongoing research and development aim to address these issues and unlock even greater potential for the technology. As blockchain continues to evolve, it stands poised to redefine the way we conduct transactions, share information, and establish trust in an increasingly digitized world.



Mr. M Sai Prashanth, CHAIR, YP Representative, IEEE Education Society Adhoc Committee, and Mr. Y Rajesh, Treasurer, IEEE Education Society YP Adhoc Committee led the Membership Drive to Embark on a journey of innovation, collaboration, and educational excellence by becoming a member of the Institute of Electrical and Electronics Engineers (IEEE) and its specialized community, the IEEE Education Society. As a member, you'll join a global network of professionals, researchers, and educators passionate about advancing technology and shaping the future of education.

IEEE, the world's largest technical professional organization, opens doors to a vast array of resources and opportunities. Immerse yourself in cutting-edge technical papers, publications, and conferences that keep you at the forefront of technological advancements. Connect with a global community, engage in collaborative projects, and stay informed about the latest breakthroughs in your field.

By joining both IEEE and the IEEE Education Society, you're not just becoming a member; you're becoming a part of a dynamic ecosystem where innovation meets education. Whether you're a seasoned professional, a researcher pushing the boundaries of technology, or an educator shaping the minds of the future, this community provides a platform for collaboration and growth.



IEEE TENCON 2023

I have got an opportunity being the IEEE Education Society Young Professional Representative to be part of the Panel discussion at the IEEE Region 10 Prestigious conference IEEE TENCON 2023 at Thailand and got the opportunity to participate in the Climate Change booth activities and interact with 2023 President Prof. Saifur Rahman and 2024 President Mr. Tom and 2023 – 2024 IEEE Region 10 Director Prof. Lance Fung.

During this conference got the opportunity to collaborate and work with Prof. Shaik Fattah, IEEE PES HAC Chair and Prof. Celia, Chair IEEE WIE MGA and other fellow volunteers from IEEE MGA and other counties and it was an opportunity to network and spread the word of IEEE Edsoc YP to many members.







BLOCK CHAIN WORKSHOP AT IEEE EDUCATION SOCIETY SREYAS STUDENT BRANCH CHAPTER

We under IEEE Education Society YP Activities organized the Two day Block Chain Hands on Training workshop to the IEEE Education Society Sreyas Student Branch Members for the career development and advancement understanding on working on block chain technologies and adapt to new teaching policies.



IEEE GLOBECOM 2023

Just remember the world is not a playground but a schoolroom. Life is not a holiday but an education. One eternal lesson for us all: to teach us how better we should love.

I am glad and delighted to share the wonderful opportunity provided by IEEE Communications Society board and committees as a part of IEEE Globecom 2023 at Kuala Lumpur, Malaysia as being the youngest one among the panel along with Mona Jaber, Nelson Fonseca, Gunes Karabulut Kurt and participating in lightening talks organised under IEEE COMSOC WICE and N2 Women Joint Workshop and also participating in the IEEE Young Professionals initiative Mentoring Activity along with the Cosmoc Board Series and was a well planned conference with research scholars. Glad being part of the prestigious conference of IEEE.

During the conference had a good conversation and discussion and new initiatives planning up together and networking as well.



I would like to thank IEEE COMSOC Board and President Xuemin Shen and President Elect Robert Schober for being part of the initiative and great interactions. Also had an opportunity to meet the Vice Presidents Nelson Fonseca, Ana Garcia Armada, Chengshan Xiao and Wei Zhang and glad being part of lot of sessions and conversations for 2024.

I would like to thank my mentor and our Committee chair prof. Baek-Young Choi for providing and guiding with various opportunities and supporting in IEEE COMSOC WICE and YP Activities. Glad to meet and discuss on future plans of Cosmoc YP with Prof. Periklis Chatzimisios and also being part of IEEE COMSOC EDUCATION ACTIVITIES AND PREUNIVERSITY Program at Globecom 2023 as the panelist for the workshop and IEEE CTU by IEEE Future Networks.

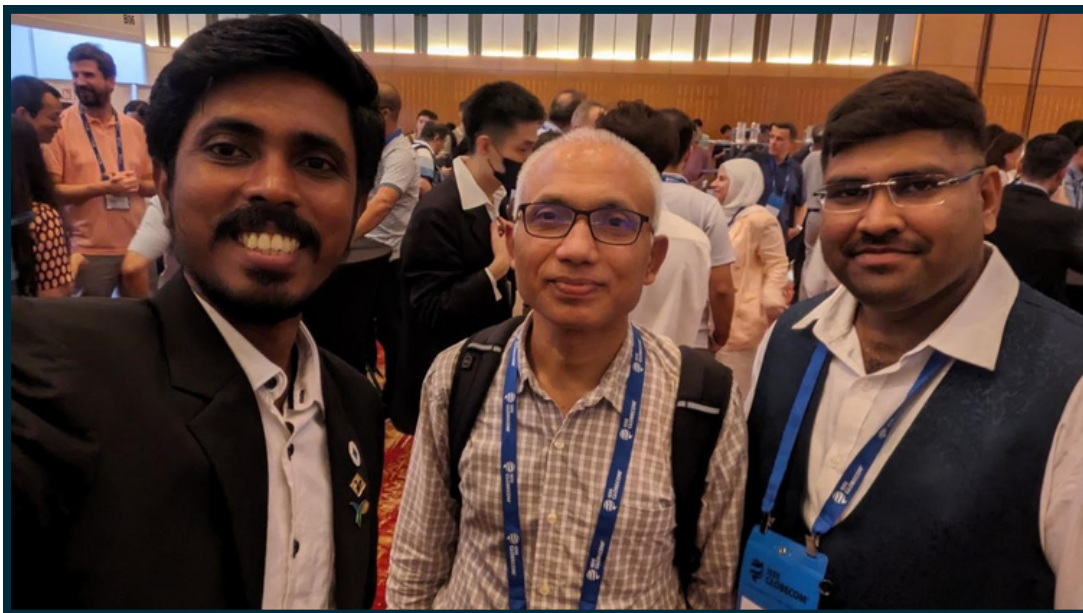
Glad to connect and made new connections with new friends Dr Paulina Chan, PhD, DIC, MBA, CMgr, CCMI, SMIEEE Sumei Sun , Angela Yingjun Zhang, Dr. Ashutosh Dutta, Qingyang (Rose) Hu, Octavia A. Dobre, Harold Tepper, PMP, Damla Turgut, Sinem Coleri, Soumaya Cherkaoui.

Also the IEEE COMSOC staff after the two years of working under various committee and future too Tara McNally, Cindy Tiritilli, CAE, Craig Polk

Thanks to IEEE Education Society YP and IEEE Education Society for supporting and providing me the opportunity to attend the great event and knowledgeable conference.



INTERACTION WITH IEEE FUTURE NETWORK COMMUNITY OF IEEE



IEEE PES APPEECC 2023

I am glad to share with you all that I have been as a speaker and organized the 1st Region-10 (Asia-Pacific) level IEEE PES SBCs In-person Training 2023 in Chaing Mai Thailand on 6th Dec 2023, in conjunction with IEEE PES APPEECC 2023 and attended the program as a speaker being the IEEE Education Society YP Representative. Under the umbrella of the IEEE Student Chapters Committee, we had shortlisted 20 active SBCs officers, for this training, who came from different countries. Along with technical exchange, there is a nice cultural exchange between participants, and creative ideas were exchanged for the fulfilment of future targets for the IEEE Community.

The attendees gained an in-depth understanding of IEEE through the nice presentations delivered by Jessica Bian (IEEE PES President), Julio Romero Agüero (IEEE PES VP-Chapter and Membership), Mythili Chaganti (R1-7 Rep) and Shaikh A Fattah (Chair-PES HAC). Also I am thankful to Anand Shah (Chair-IEEE PES SCC) and Adwaith Satheesh Kumar (Vice-Chair IEEE PES SCC), who addressed the queries of attendees and helped us in managing things nicely.

Thanks to the local host from the Thailand chapter Assoc.Prof.Nopbhorn Leeprechanon, PhD., and Prof. Jirawadee Polprasert for the nice hosting and supporting us in organizing this event.

We will work with all as a team in 2024 with the collaboration, with new resolutions, and hope to bring up many more new initiatives for the welfare of the Student and YP Community of IEEE Education Society.





IEEE EDSOC YP AND MVSR COLLABORATION



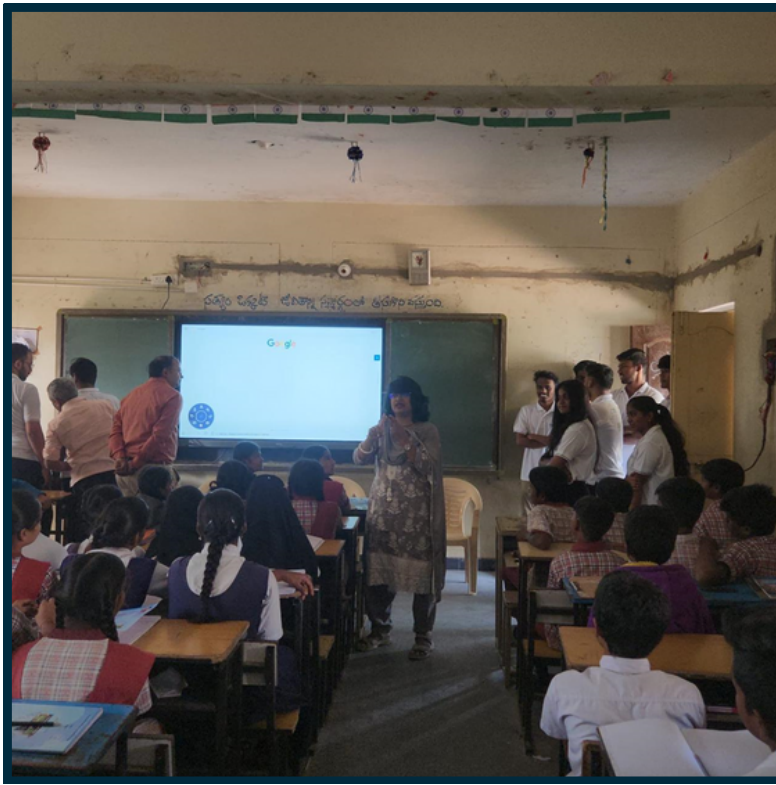
On December 9th, 2023, IEEE EdSoc YP collaborated with IEEE MVSR for an event on UI/UX Design. The event collaboration was successful with the help of Mr.Uthej, Vice Chair of Technical Activities. The session, led by Surabhi Seetha, Vice Chair of Step Activities, took place on the IEEE MVSR campus, beginning at 10 am. The event started with a warm introduction of Surabhi Seetha, setting the tone for the day. Attendees engaged in a Q&A session, expressing their expectations for the upcoming discussions on UX design.

Surabhi Seetha delivered a comprehensive theoretical overview of UI/UX design, using real-time examples to connect with the students. The morning session concluded, leading to a well-deserved lunch break fostering networking among participants. The post-lunch session focused on hands-on design activities. Students actively created wireframes for an OTT platform, applying the theoretical knowledge gained earlier. The practical segment aimed at providing a tangible understanding of UI/UX concepts.

The event concluded with insights into Behance as a platform for showcasing designs. A vote of thanks was extended by both students and faculty, acknowledging Surabhi Seetha's contributions. The session wrapped up at 4:30 pm with the active participation of 35 attendees.

This collaborative effort between IEEE EdSoc YP and IEEE MVSR successfully combined theoretical knowledge with practical application, providing participants with a holistic learning experience. The event exemplified the commitment of both organizations to creating valuable educational opportunities within the community.

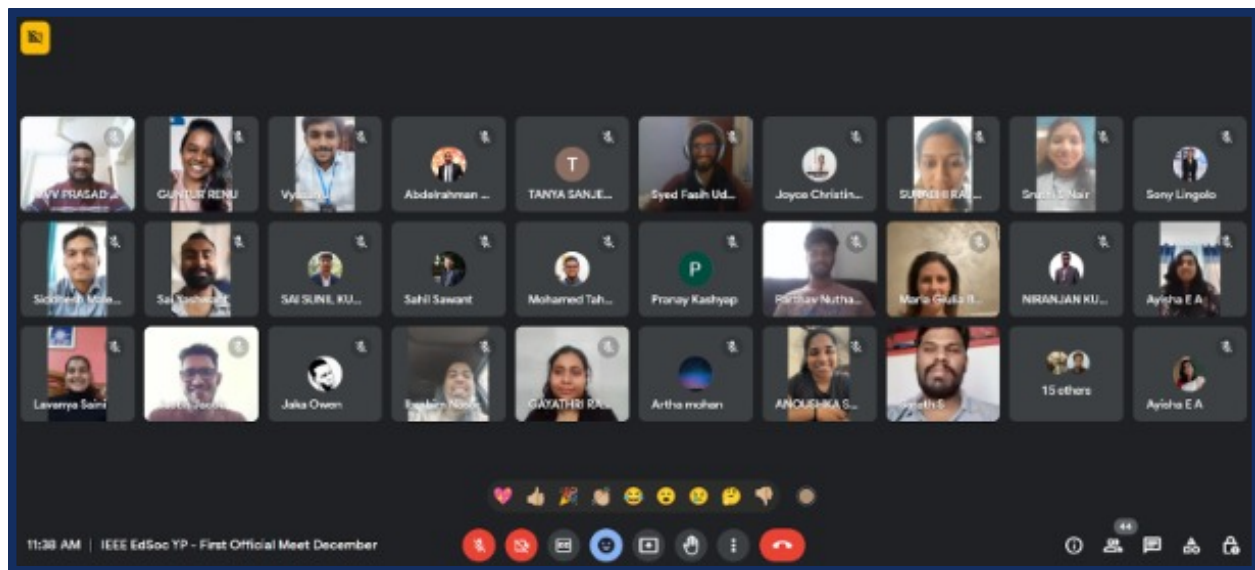
IEEE EDUCATION SOCIETY CHILD CARE PROGRAM AND FOLDSCOPE WORKSHOP



IEEE Education Society Young Professionals in collaboration with Government Schools at Shamshabad and Ranga Reddy Region have organized the IEEE EDUCATION SOCIETY CHILD CARE PROGRAM AND FOLDSCOPE WORKSHOP in the months of December 2023 and January 2024 sponsored by IEEE Bombay Section, IEEE Pune Section and IEEE SIT SBC under IEEE Education Society YP STEM & Childcare Program (under AP-Sight Project).



IEEE EDSOC YP FIRST ONLINE MEETING



In a dynamic virtual gathering on 23rd December 2023, the IEEE EdSoc Young Professionals (YP) Ad-Hoc Committee convened to set the stage for an exciting year ahead. The meeting commenced with warm welcomes and engaging self-introductions, fostering a sense of unity among team members. Chair Mr Sai Prashanth M provided a comprehensive overview of the organization's journey, unveiling the structure of the new committee and emphasizing key goals for the upcoming year. The meeting showcased the significance of the past year's achievements through the Secretary's presentation of the 2023 activity report, highlighting impactful events like the Leadership Summit and ACES. The Chair-Elect outlined a strategic plan for the year ahead, focusing on diversity, professional development, and key initiatives such as hackathons and investor meet-ups. The meeting concluded with the announcement of the January 2024 meeting, where official team positions would be deliberated. The newsletter encapsulates the collaborative spirit, strategic planning, and ambitious goals that promise an eventful and impactful year for the IEEE EdSoc YP.

IEEE EDU-EMERGE 2024



Day 1:

The IEEE Edu -Emerge 2024 held at B.V Raju College, Vishnupur, Kovvada Rd, Andhra Pradesh from 19th to 20th January 2024 organized by IEEE Education Society YP Adhoc Committee. The event commenced with the prayer song and the inaugural ceremony at 10:30 am

Following the inaugural, Talk on the Art of Writing & Personal Branding by Ms. Ayisha E. A, Operations Engineer, APAR Concept FZ LLC, Dubai, UAE where the art of writing and personal branding are interconnected. By honing their writing skills and cultivating an authentic personal brand, students establish a compelling and memorable presence in both the literary and professional worlds.

Soon after the talk Mr. M. Sai Prashanth conducted a brain storming session for students on IEEE puzzlers where students need to solve puzzles using their mathematics and active listening skills.

Engaging in puzzle-solving events and being rewarded with goodies can be a delightful and intellectually stimulating experience for students. The session ended at 1:00 pm when students were sent to lunch.

The parallel sessions for UG and PG students were held from 2:00 pm by Workshop on Applications of Working with Block Chain by Mr. M. Sai Prashanth, Chair IEEE Education Society YP Adhoc Committee and Data Analytics & Visualization by Mr. Vyasan, Google Certified Business Intelligence & Data Analytics Professional.

IEEE EDU-EMERGE 2024



Day 1:

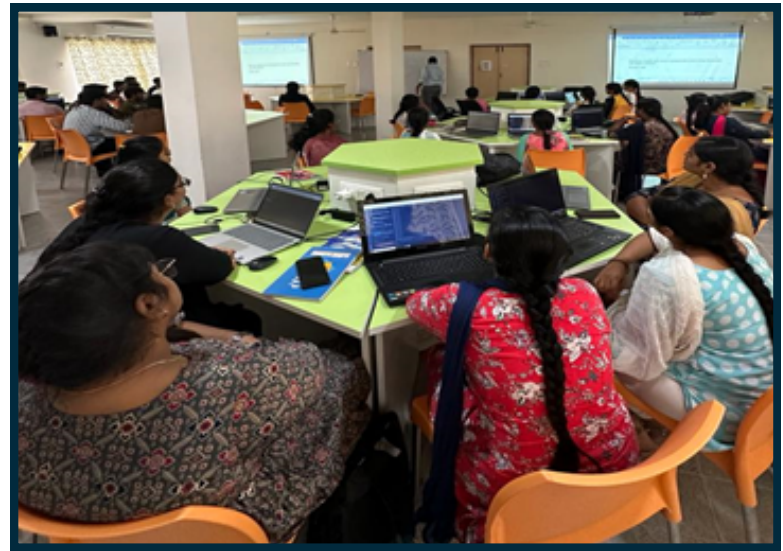
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Students Acquire hands-on experience in working with blockchain technology, including creating smart contracts or participating in simulated transactions. By incorporating these elements into the workshop, students can gain a comprehensive understanding of blockchain technology and its applications, preparing them for the evolving landscape of digital innovation and decentralized solutions. The talk on Data Analytics and Visualization gave the Principles of effective visualization and choosing the right chart or graph for different types of data. Overview of popular visualization tools (e.g., Tableau, Power BI) developed critical thinking skills to analyze and interpret complex datasets. It serves as a guide to understanding the importance of data in decision-making and equips students with the skills needed to excel in this dynamic and evolving field. Received a good response from Students.

In parallel to the sessions the IEEE Foldscope Workshop (Sponsored Under AP-Sight Project) under the IEEE Education Society YP STEM & Childcare Program where students are encouraged to explore their curiosity through interactive experiments. The day concludes with the talk on Growing IEEE Education Society Membership and Membership Benefits" by Ms. Rosa Maria Castro Fernandes Vasconcelos, Vice President - Memberships, IEEE Education Society & Associate Professor, University of Minho, Portugal. The IEEE Education Society plays a pivotal role in bridging the gap between technological advancements and education.



Day 2:

The day started with parallel sessions by Mr. Uthej, Digital Specialist Engineer, Infosys, and Ms. Surabhi Seetha, ML Data Associate, Amazon. The workshop on Java Backend Development by Mr. Uthej was a valuable learning experience for participants where they will have a comprehensive understanding of Java backend development. This hands-on approach ensures that they are well-equipped to apply the concepts in real-world scenarios. The workshop aims to equip students with the fundamental skills required for Java backend development, fostering a passion for programming and problem-solving in the realm of web development. Parallel to this Workshop on UI & UX by Ms. Surabhi, aimed to empower participants with practical skills and knowledge to create visually appealing and user-friendly digital interfaces. As participants embark on their design journey, it is hoped that they apply the concepts learned during the workshop to create impactful and user-friendly designs in their future projects. The workshop was hands-on as well as the students created wireframes and learned real-time design. In parallel to this Foldscope Workshop was held in the continuation of day 1 where there was a Step-by-step guide to assembling the Foldscope and an explanation of the different components and their functions.



The Validatory & Felicitation was held after these sessions where we validated the unwavering dedication of all individuals involved in the planning, execution, and successful conclusion of IEEE Edu-Emerge 2024. By working together harmoniously, students have demonstrated that collective effort yields extraordinary results. This event stands as a testament to the power of unity and collaboration.

The talk on the International Education Agenda of the Education Society concerning developing AI agendas in the industry by Mr. Arnold Pears, President-Elect, IEEE Education Society & Professor & Head of the Department – Learning in Engineering Sciences, KTH Royal Institute of Technology, Sweden. The synergy between education and industry plays a pivotal role in shaping the future of artificial intelligence and, consequently, the global economy. Focused on fostering collaboration, sharing knowledge, and nurturing future leaders in diverse fields. In conclusion, the Education Society's International Education Agenda is intricately connected to the development of AI agendas in industry. By fostering collaboration, addressing skill gaps, and promoting ethical considerations, we aim not only to educate but to inspire a generation of AI professionals who will shape the future. The day Concludes with the IEEE Education Society YP Adhoc Committee team meeting with zero-hour discussions.

IEEE FOLDSCOPE WORKSHOP



The IEEE Foldscope Workshop witnessed a buzzing classroom of 70 excited 7th graders at Vishnu School at Bhimavram on 19th January 2024, 2 pm to 4 pm. Eager to explore the microscopic world. The session commenced with Ms. Rajani Manchineella, a Graduate Engineer Trainee at HCL Technologies, introducing the wonders of the Foldscope. She compared it to a traditional microscope, highlighting its portability and affordability.

Mr. Rajesh, a Tax Analyst from File2fed, and Mr. Puneeth led the students through the hands-on construction of their own Foldscoopes. Each student received a kit, and with the support of the organizing team, they carefully assembled their miniature microscopes. The room came alive with the sound of folding paper, snipping tape, and whispered excitement as the Foldscoopes took shape.

Armed with their newly-built companions, the students embarked on a microscopic adventure. Guided by the team, they explored the hidden worlds present on everyday objects, from their own hands to shirt sleeves. The sight of magnified bacteria sparked awe and wonder, igniting a newfound appreciation for the unseen intricacies of life.

By the end of the session, the students were brimming with questions and experiences. They eagerly shared their observations and discoveries, demonstrating a deeper understanding of the microscopic realm.

Overall, the IEEE Foldscope Workshop was a resounding success, igniting a passion for science and exploration in the young minds of 7th graders.



The IEEE Foldscope workshop ushered in an even larger group of eager learners – 80 enthusiastic 6th graders at Vishnu School on 20th January 2024 from 2 pm to 4 pm. These young minds were ready to delve into the microscopic world.

Ms. Rajani captivated the audience with her introduction to the Foldscope, introducing it as a magical portal to a hidden world. The comparison to a traditional microscope, again emphasizing its accessibility, drew immediate comparisons and excited murmurs.

Mr. Rajesh and Mr. Puneeth then took the stage, guiding the students through the Foldscope assembly process with patience and humor. The classroom buzzed with focused activity as 80 mini-scientists carefully brought their microscopes to life. The sense of achievement when their Foldscopes were complete was palpable.

With their trusty companions in hand, the students launched into an exploration of the microscopic universe. From their fingertips to classroom objects, every surface became a potential discovery zone. The magnified world of bacteria and tiny organisms elicited gasps of amazement, turning science into an enthralling adventure.

The session concluded with a vibrant exchange of experiences and observations. The students excitedly shared their discoveries, demonstrating a newfound awareness of the unseen world around them.

The IEEE Foldscope Workshop proved to be equally successful, fostering a love for science and the natural world in 80 curious 6th graders.

IEEE EDSOC YP TRAINING & OFFICERS MEET



IEEE Education Society Young Professionals in collaboration with B V Raju College Bhimavaram hosted a specially curated ExCom and Officers training as a part of EDU-EMERGE, a two-day power-packed intellectual extravaganza.

To train the newly selected volunteers, delve deep into the various tools, and propose of budget for approval, the training promises productivity at its peak.

Executive committee meetings, brainstorming sessions, and clarification on the operations within the committee are the other key highlights of this two-day training program.

Organized on 19th and 20th January 2024 to embrace this opportunity to learn, collaborate, and contribute with peers and prodigies



IEEE EDSOC YP TRAINING & OFFICERS MEET



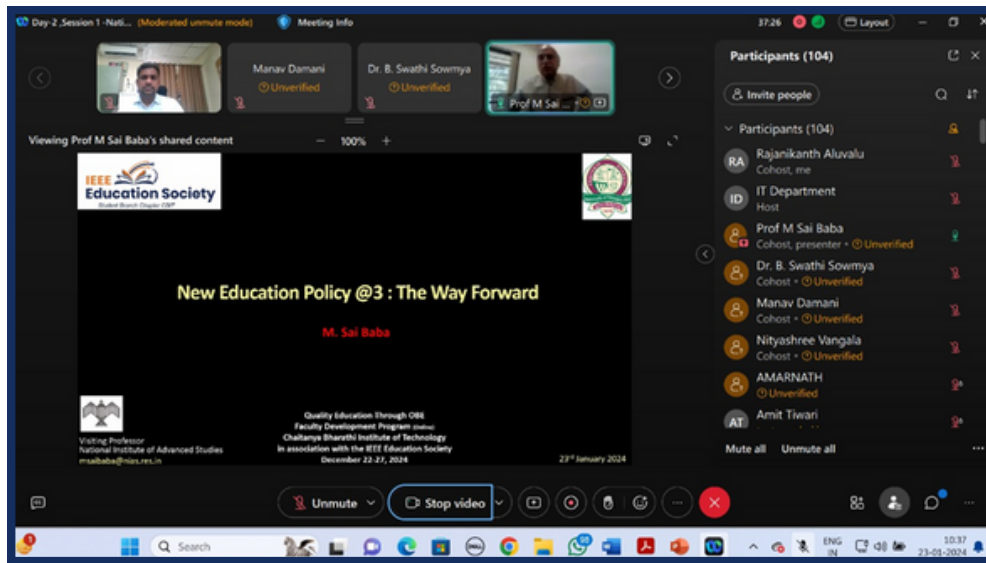
On January 18th, 2024, the journey commences for the IEEE officers en route to Sai Vishnu Learning Institute in Bhimavaram, as they prepare for IEEE EDUMERGE 2024.

The morning of January 19th, 2024 marked the welcome of the IEEE EDSOC YP team by the Institute's Principal. The inauguration commenced with an enthusiastic spirit and energy, aiming to create a lasting impact through a series of powerful sessions scheduled on January 19th and 20th, 2024.



After successful YP officer meet, we have created an impactful event enlightening youngsters and opening doors to plethora of opportunities.

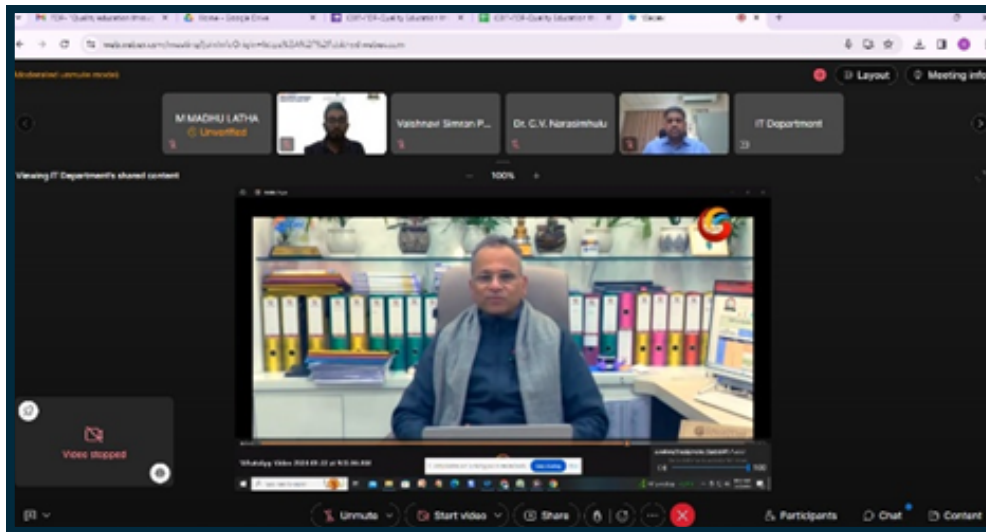
ONLINE FACULTY DEVELOPMENT PROGRAMME ON QUALITY EDUCATION THROUGH OBE



The week-long Faculty Development Program (FDP) on Quality Education through Outcome-Based Education (OBE) was conducted between 22nd January and 27th January and unfolded with an impressive inaugural event attended by key figures in academia. Professor C.V. Narasimhulu, the Principal of CBIT, Hyderabad with 337 participants, set the tone for the program, joined by Chief Guest Professor Mallikharjuna Babu, Vice-Chancellor of Galgotia University, Noida, and Guest of Honor Professor Ketan Kotecha, Director of Symbiosis Institute of Technology, Pune. Their collective insights underscored the importance of OBE in shaping the future of education.

The first session, led by Dr. Prashanth R Nair, Head & Vice-Chairman, Internal Quality Assurance Cell (IQAC) at Amrita Vishwa Vidyapeetham, Coimbatore, delved into achieving quality education through Outcome-Based Education. This foundational discussion paved the way for subsequent sessions, providing a comprehensive understanding of OBE's principles and applications.

Addressing the evolving landscape of education, Professor M. Sai Baba, Professor at Ramaiah University, Bengaluru, explored the implications of the National Education Policy in the second session. This discussion proved crucial in aligning the FDP with contemporary educational frameworks and policies.



The subsequent sessions, conducted by Professor Rajanikanth Aluvalu, Head of the Department of IT at CBIT, and other esteemed speakers, delved into specific aspects of OBE. Professor Rohit Kandakatla, Director at KG Reddy College of Engineering and Technology, emphasized the importance of student-centric learning, while Professor Madana Mohana R, Associate Director, IQAC, and In-Charge, Department of CSE (AIML), provided insights into computing attainment of course and program outcomes.

As the week progressed, Professor Rajanikanth Aluvalu returned to discuss assessment design and effective course delivery strategies. Dr. Aarti Joshi, Dean and Director of the Faculty of Management at RK University, then explored the digitization of learning methodologies, aligning the FDP with contemporary trends in educational technology. The program's penultimate session, facilitated by Professor Sudeep Tanwar from Nirma University, Ahmedabad, Gujarat, delved into research and extension activities. Finally, the FDP concluded with Professor Amit Ganatra, Pro VC of Parul University, Vadodara, Gujarat, offering insights into governance and best practices, providing a holistic perspective on the multifaceted aspects of education and institutional development. The diverse array of sessions, led by renowned experts, collectively contributed to a profound and enriching exploration of Outcome-Based Education.

IEEE FOLDSCOPE WORKSHOP



The Foldscope workshop, organized by IEEE Education Society Young Professionals and sponsored under the AP-sight project, was a collaborative initiative in association with the IEEE Education Society YP STEM & Child Care Program. The event took place in collaboration with Mandal Parishad Upper Primary School, A. Narayanapuram, Anantapur, Andhra Pradesh. The workshop received valuable support from the Antennas and Propagation Society, IEEE Bombay Section, IEEE Pune Section, and IEEE SIT Student Branch.

The workshop was conducted on 27th January 2024 at Mandal Parishad Upper Primary School, A. Narayanapuram, Anantapur, Andhra Pradesh.

Speaker: Ms. Rajani Manchineella, a Graduate Engineer Trainee, served as the speaker for the workshop. Her expertise and enthusiasm played a crucial role in engaging the students. Ms. Rajani Manchineella began the workshop by introducing the concept of Foldscope and highlighting its significance in the field of microscopy. She emphasized the portability, affordability, and ease of use of Foldscopes, making them an ideal tool for students and enthusiasts.

The workshop covered the following key points: Differences Between Traditional Microscopes and Foldscopes. Ms. Rajani explained the fundamental differences between traditional microscopes and Foldscopes. She outlined the unique features of Foldscopes, such as their paper-based construction, compact size, and accessibility, making them a revolutionary tool for science education.

The Foldscope workshop organized by IEEE Education Society Young Professionals, in collaboration with Mandal Parishad Upper Primary School and supported by multiple IEEE entities, successfully achieved its goal of introducing students to the innovative world of Foldscopes.



A DREAM FULFILLED:

MEETING IEEE PRESIDENT SAIFUR RAHMAN AT THE WORLD GREEN ECONOMY SUMMIT IN DUBAI!

I am thrilled to share a dream come true moment with you all: the incredible opportunity to meet the esteemed IEEE President, Saifur Rahman, during the World Green Economy Summit in Dubai! As the proud representative of the IEEE Education Society Young Professionals (YP), this encounter marked a pinnacle in my four years of dedicated volunteering within the IEEE community.

Meeting Mr. Rahman was nothing short of a fan-girl moment for me. His selflessness, calm demeanour, and the invaluable lessons he shared on authenticity and the power of helping others left a lasting impression. Volunteering, for me, is not just a commitment; it's a passion where personal growth takes a backseat to our collective efforts for the betterment of humanity.

The conversation we had at the summit resonated deeply, reinforcing my commitment to contributing meaningfully to the community through the IEEE Education Society YP. Mr. Rahman's insights have further fueled my enthusiasm to continue making a positive impact through volunteering.

I extend my heartfelt gratitude to Mr. Rahman for the pleasure of meeting him and for his unwavering dedication to advancing technology for the greater good. This encounter has become a driving force, propelling me forward with renewed zeal and determination to make a difference.

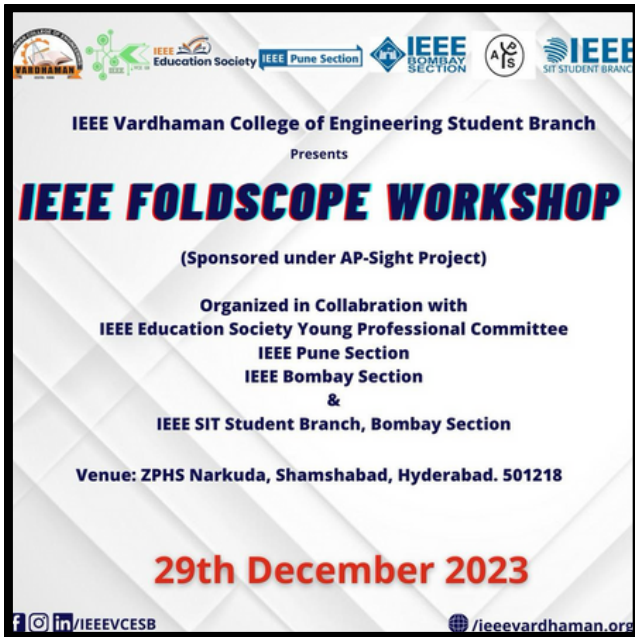
Ayisha E A

Secretary, IEEE Education Society YP Ad Hoc Committee







IEEE FOLDSCOPE WORKSHOPS





IEEE Vardhaman College of Engineering Student Branch
Presents

IEEE FOLDSCOPE WORKSHOP



(Sponsored under AP-Sight Project)

Organized in Collaboration with
IEEE Education Society Young Professional Committee
IEEE Pune Section
IEEE Bombay Section
&
IEEE SIT Student Branch, Bombay Section

Venue: ZPHS Narkuda, Shamshabad, Hyderabad. 501218

29th December 2023




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[/iecevardhaman.org](https://www.iecevardhaman.org)

IEEE Education Society Young Professionals in collaboration with Government Schools at Shamshabad and Ranga Reddy Region have organized the IEEE FOLDSCOPE WORKSHOP sponsored by IEEE Bombay Section, IEEE Pune Section and IEEE SIT SBC under IEEE Education Society YP STEM & Childcare Program (under AP-Sight Project).

Venue: ZPHS Narkuda in Hyderabad
Date: 29th December 2023.












IEEE Vardhaman College of Engineering Student Branch
Presents

IEEE FOLDSCOPE WORKSHOP

(Sponsored under AP-Sight Project)

Organized in Collaboration with
IEEE Education Society Young Professional Committee
IEEE Pune Section
IEEE Bombay Section
&
IEEE SIT STUDENT BRANCH (STB13901), Pune

**Venue: TSMS SHAMSHABAD (PALAMAKOLE),
Palamakole, (Ranga Reddy), Telangana**

12th January 2024

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IEEE Education Society Young Professionals in collaboration with Government Schools at Shamshabad and Ranga Reddy Region have organized the IEEE FOLDSCOPE WORKSHOP sponsored by IEEE Bombay Section, IEEE Pune Section and IEEE SIT SBC under IEEE Education Society YP STEM & Childcare Program (under AP-Sight Project) with the HOST as Vardhaman College of Engineering and with the students of TSMS Shamshad School Students.



DATE: 12 JANUARY 2024
VENUE: VARDHAMAN COLLEGE OF ENGINEERING, HYDERABAD

IEEE FOLDSCOPE WORKSHOPS



The inaugural day of the IEEE Foldscope Workshop welcomed 70 enthusiastic 7th graders eager to delve into the microscopic world. Led by Ms. Rajani Manchineella and supported by Mr. Rajesh and Mr. Puneeth, the students constructed their Foldscopes, fostering curiosity and engagement. Armed with their miniature microscopes, the students explored everyday objects, discovering the hidden intricacies of life. The workshop proved to be a resounding success, sparking a newfound passion for science and exploration among the young participants.





The second day of the IEEE Foldscope Workshop witnessed an increased turnout with 80 enthusiastic 6th-grade students. Led by Ms. Rajani, the students were introduced to the magical world of Foldscopes, emphasizing its accessibility. Guided by Mr. Rajesh and Mr. Puneeth, the students assembled their Foldscopes, experiencing a palpable sense of achievement. The exploration of microscopic realms, coupled with the magnification of bacteria and organisms, enthralled the students, turning science into an exciting adventure. The session concluded with vibrant discussions and knowledge sharing, showcasing the success of the workshop in fostering scientific curiosity among the young participants. Overall, the two-day event, organized by IEEE Education Society Young Professionals, left an indelible impact on 150 students, igniting a passion for scientific exploration and discovery.



The Foldscope workshop, a collaborative initiative by IEEE Education Society Young Professionals and supported by various IEEE entities, successfully introduced 70 students from Mandal Parishad Upper Primary School to the innovative world of Foldscopes. Led by Ms. Rajani Manchineella, the workshop bridged the gap between traditional microscopes and Foldscopes, emphasizing their portability, affordability, and ease of use. The hands-on experience provided practical insights into microscopic observations, fostering enthusiasm among students for scientific exploration. The event, held on January 27, 2024, showcased the effectiveness of collaborative efforts in promoting science education and setting the stage for future discoveries.



In a collaborative effort led by IEEE Education Society Young Professionals, a workshop on Foldscope technology unfolded its wonders at Zilla Parishad High School Thapovanam on January 31, 2024. Attended by 70 students from grades 5 and 6 and sponsored under the AP-sight project, the initiative aimed to bridge the gap between traditional microscopes and Foldscopes. Ms. Rajani Manchineella from HCL Technologies led the engaging workshop, emphasizing the affordability and portability of Foldscopes. With support from various IEEE entities, the event successfully ignited curiosity, providing students with hands-on experience in microscopic observations and leaving them inspired for future scientific exploration.



In an engaging workshop organized by IEEE Education Society Young Professionals on February 1, 2024, 6th graders at SRI Krishna Devaraya Municipal High School in Anantapur, Andhra Pradesh, delved into the wonders of Foldscope technology. Sponsored under the AP-sight project and in collaboration with the IEEE Education Society YP STEM & Child Care Program, the workshop aimed to introduce students to the innovative world of Foldscopes and its applications in science education. Led by Ms. Rajani Manchineella, a Graduate Engineer Trainee, the session highlighted the unique advantages of Foldscopes, fostering hands-on learning. The enthusiastic participation of the 6th graders, coupled with the collaborative efforts of IEEE entities and the school, made the workshop a resounding success, providing a valuable learning experience and sparking a passion for scientific discovery among the students.



In a captivating Foldscope workshop held on February 1, 2024, at Zilla Parishad High School, Thapovanam, Anantapur, the enthusiasm of 9th graders filled the afternoon air. Organized by IEEE Education Society Young Professionals in collaboration with the school and supported by various IEEE entities, the workshop, led by Ms. Rajani Manchineella, Graduate Engineer Trainee, introduced students to the wonders of microscopy. The session highlighted the unique features of Foldscopes, fostering a hands-on learning experience. With 50 active participants, the workshop sparked a newfound appreciation for science, leaving the students inspired for future exploration and discovery.



In a dynamic Foldscope workshop on February 2, 2024, 8th-grade students at Zilla Parishad High School, Thapovanam, Anantapur, delved into the wonders of microscopy. Organized by IEEE Education Society Young Professionals and sponsored by the AP-sight project, the workshop, led by Ms. Rajani Manchineella, Graduate Engineer Trainee, introduced students to Foldscopes as affordable and portable science tools. With 70 enthusiastic participants, the workshop's success was evident in the students' active engagement and newfound curiosity, setting the stage for future scientific exploration and discovery.



On February 6, 2024, Ravi Raja English Medium High School witnessed an engaging Foldscope workshop, catering to the intellectual curiosity of 40 enthusiastic participants. Led by the esteemed speaker Rajani Manchineella, the event aimed to introduce students to the revolutionary world of microscopy through Foldscope technology. The workshop, held from 2:00 pm to 4:00 pm, provided hands-on learning experiences, empowering students to assemble and utilize Foldscope kits. Rajani Manchineella's dynamic presentation style and profound knowledge captivated the audience, sparking a passion for scientific discovery and equipping students with invaluable skills for lifelong learning.



In a collaborative effort, the IEEE Education Society conducted an engaging Foldscope workshop on February 13, 2024, at Sarada Municipal High School in Anantapur. Aimed at sparking scientific curiosity, especially among young girls, the event coincided with Sarojini Naidu's birth anniversary.

The esteemed speaker, Rajani, guided approximately 70 students through the assembly of their own Foldscopes. Beyond hands-on exploration, she shared the significance of the day, motivating the students to embrace scientific discovery. Sponsored by the AP-Sight Project under the IEEE Education Society's YP STEM & Child Care Program, the workshop received support from IEEE Bombay Section, IEEE Antennas and Propagation Society, IEEE Pune Section, and IEEE SIT Student Branch.

The collaborative initiative left a lasting impact by igniting a spark of scientific curiosity in the young minds, enhancing their educational journey.

HACK ENVISION 2.0



The HackEnvision 2.0 was a great success with over 180 participants from various colleges and organizations coming together to participate in the event. 53 teams and 15 solo were formed and took part in the three-phased hackathon which included an Ideation phase, an Evaluation and Elimination phase, and finally the Execution phase, which was the Final Round. The event was held on 21st January 2024 and was organized by the Computer Society of IEEE Student Branch at the Nawab Shah Alam Khan College of Engineering and Technology. The hackathon was sponsored by several organizations including axure, ACES, GeeksforGeeks, SnapSeva, SIO, InterviewBuddy, echo3D, and XYZ domains. while InterviewBuddy and XYZ domains offered various awards and prizes for the winners and free domain for the participants. Also, the hackathon had outreach partners, i.e., ECELL MJCET, IEEE Young Professionals, HITAM Hackathon Club. The awards were given out in several categories, including 1st Prize, 2nd Prize, Best Women's Team, Best Junior's Team, Best NSAKCET Team and Participants. The 1st Prize winner received a cash prize of 8000 Rs, \$500 in Axure RP License, G4G Swags, vouchers and promo codes. The 2nd Prize winner received a cash prize of 5000 Rs, \$500 in Axure RP License, G4G Swags, vouchers and promo

codes. The 3rd Prize winner received a cash prize of 3000 Rs, G4G Swags, vouchers and promo codes. The Best NSAKCET Team received a cash prize of 1000 Rs and The Best Women's Team, Best Junior's Team each received a cash prize of 2000 Rs, Vouchers and promo codes. The event was made even more special by the presence of a special guest, Meraj Faheem, who is a founder of Edventure Park from the city of Hyderabad. He was welcomed by the organizers with a memento and felicitated the winners of the hackathon. Winners: 1st Prize: The Elite 2nd Price Byte Masters 3rd Prize: AR plan craft Best Juniors Team: Code Runners Best NSAKCET Team: Leaners Best Womens Team: Hack Hers Best Innovative Idea: Hex Tech



MEMBERS ACHEIVEMENTS

Akshay R S - Webinar and Training Coordinator (Subcommittee)
Yadhukrishna-MembershipTeam (Subcommittee), has won the exemplary award of IEEE Education Society Kerala Chapter Outstanding Student Volunteer Award 2023.



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SAVING EARTH FROM CLIMATE CRISIS TOGETHER

IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS ADHOC
COMMITTEE



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