

DHWANI

THE RESONANCE OF YOUNG PROFESSIONALS

Advancing Education Through Innovation and Leadership

- Empowering Young Professionals in Education Technology: Unlock Opportunities, Network, and Lead with IEEE Education Society's Young Professionals ADHOC Committee initiatives.
- Featuring exceptional events conducted across the globe
- Global Educational Initiatives

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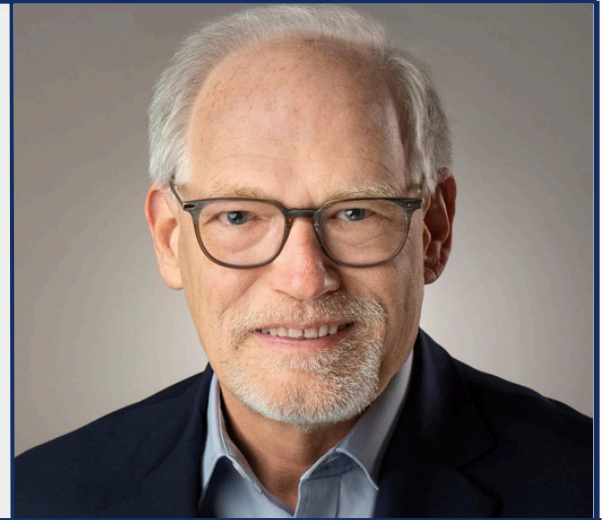
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Mr.DEEPAK MATHUR

*Mr. Deepak Mathur is a distinguished leader
within the IEEE community, currently serving
as the Vice President of Member and
Geographic Activities (MGA). He has a lot tell
about IEEE and about his journey so far.*

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Dr.S.K.RAMESH

*2022-23 ABET President
2016-17 IEEE EAB Vice-President
Educational Activities
Let's learn about how IEEE can help you to
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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,

As we enter the second half of 2024, It is a great pleasure to address you through this edition of our newsletter. The past months have been both challenging and rewarding, and I am excited to share the progress and plans of the IEEE Education Society Young Professionals Adhoc Committee.

Reflections on Our Journey

This year has been a remarkable journey for our committee, marked by significant achievements and growth. We have successfully launched several initiatives aimed at bridging the gap between academia and industry, fostering professional development, and creating a robust support network for young professionals in the field of education and completed the major events such as IEEE Education Society YP Edumentor Program, IEEE Education Society Symposium, IEEE Education Society Student to Young Professionals Transition Events, IEEE Student Professionals Awareness Conclaves across all the regions.

Our webinars and workshops have garnered enthusiastic participation from members worldwide, providing valuable insights into emerging technologies, innovative teaching methods, and career advancement strategies. The collaborative efforts of our dedicated volunteers have been instrumental in these successes, and I extend my heartfelt gratitude to each one of you.

Promoting IEEE Education Society Membership

Membership in the IEEE Education Society offers unparalleled opportunities for professional growth and development. As we look ahead, our focus remains on expanding our community and ensuring that more young professionals can benefit from the resources and network that the IEEE Education Society provides.

To all our current members, I encourage you to continue your engagement with the society and take full advantage of the various benefits, including access to cutting-edge research, exclusive events, and a global network of professionals and academics. Your active participation not only enriches your professional journey but also contributes to the collective advancement of our field.

Growing Our Young Professionals Community

We are committed to nurturing the next generation of leaders in educational technology and pedagogy. Our Young Professionals Adhoc Committee is dedicated to creating pathways for new graduates and early-career professionals to seamlessly transition into their careers with the support and guidance of our seasoned members.

This year, we are launching several new initiatives aimed at enhancing the professional development of our young members. These include:

Mentorship Programs: Pairing young professionals with experienced mentors to provide personalized guidance and support.

- **Networking Events:** Organizing virtual and in-person events to facilitate meaningful connections and collaborations.
- **Professional Development Workshops:** Offering training sessions on essential skills such as leadership, project management, and grant writing.

We are also actively working to increase our presence on social media and other digital platforms to better engage with our members and the wider community. I encourage you to follow our channels, participate in discussions, and share your experiences and achievements.

Looking Ahead

As we move forward, our commitment to excellence and innovation remains unwavering. We are excited about the upcoming projects and collaborations that will further our mission of advancing educational practices and technologies.

I invite all members, especially young professionals, to take an active role in our initiatives. Your contributions, ideas, and enthusiasm are what drive our society forward. Together, we can continue to make a positive impact on the education sector and support each other in our professional journeys.

Thank you for being a part of this vibrant community. I look forward to witnessing our collective growth and success in the months and years ahead.

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. Curating and presenting noteworthy content for our upcoming edition has been both an honor and a pleasure.

In this newsletter, anticipate engaging narratives centered around significant tech events, impactful collaborations among skilled professionals, and successful networking endeavors within our community. This edition will highlight the progressive growth and remarkable achievements of our community, providing a comprehensive view of the exciting developments shaping our collective narrative.

Prepare for an insightful and enjoyable read as we explore the outstanding initiatives and accomplishments within our group.

Through this publication, we aim to create a platform that will inspire, educate, and inform our members. To ensure our newsletter is as inclusive as possible, we encourage you to share your ideas, stories, and feedback with us. We value your input and look forward to hearing from you.

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

Best Regards,

Aryan

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 February 2024 to June 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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Representation and Participation at the 2024 IEEE Young Professionals Annual Committee Meeting and SAC/YP/WIE Joint Meeting

M. Sai Prashanth, Chair of the IEEE Education Society YP Adhoc Committee, attended the 2024 IEEE Young Professionals (YP) Annual Committee Meeting and the SAC/YP/WIE Joint Meeting held from March 15-17, 2024, in Lisbon, Portugal. These meetings brought together leaders and representatives from various IEEE entities, providing a platform for collaboration, networking, and strategic discussions.

KEY ACTIVITIES AND DISCUSSIONS

1. Networking and Collaboration

- Interacting with IEEE YP Committee and Executive Committee Members

The meetings facilitated direct interactions with key decision-makers within the IEEE YP community, allowing for the exchange of ideas and fostering collaborative relationships.

- Engaging with Region YP Coordinators and Society/Council YP Representatives

These interactions were crucial in understanding the diverse needs and challenges faced by different regions and societies, enabling the formulation of more inclusive and effective YP initiatives.



2. Strategic Planning for YP Activities

- Workshops and Breakout Sessions

Focused workshops and breakout sessions were conducted to brainstorm and develop strategic plans for YP activities. These sessions covered topics such as event planning, resource allocation, and member engagement strategies.

- Case Studies and Best Practices

Presentations on successful YP initiatives from different regions and societies offered valuable lessons and practical approaches that can be adapted and implemented within the IEEE Education Society.

3. Training Opportunities and Career Resources

- Professional Development Programs

Discussions centered around the development and enhancement of professional development programs tailored to the needs of YP members. This includes technical training, soft skills development, and leadership training.

- Mentorship and Career Guidance

Ideas for establishing robust mentorship programs and providing career guidance resources were shared, with a focus on supporting the career progression and personal growth of YP members.



4. Engagement, Retention, and Recognition of YP Members

- Innovative Engagement Strategies

Innovative approaches to engaging YP members were discussed, including the use of digital platforms, social media, and interactive events to create a vibrant and connected YP community.

- Retention Initiatives

Strategies for retaining YP members, such as offering exclusive benefits, recognition programs, and continuous engagement opportunities, were explored.

- Recognition and Awards

The importance of recognizing and celebrating the achievements of YP members was emphasized, with discussions on implementing awards and recognition programs to motivate and inspire the community.



Outcomes and Future Plans

The insights and connections gained during these meetings will be instrumental in enhancing the IEEE Education Society YP Adhoc Committee's efforts. Key outcomes include:

- Development of a Comprehensive YP Activity Plan

A detailed plan for upcoming YP activities will be formulated, incorporating the strategies and best practices discussed during the meetings.

- Enhanced Professional Development Programs

New training and career development initiatives will be introduced to provide YP members with valuable opportunities for growth and advancement.

- Strengthened Member Engagement and Retention

Innovative engagement and retention strategies will be implemented to build a dynamic and supportive YP community within the IEEE Education Society.

- Recognition Programs

The introduction of recognition and awards programs to celebrate the achievements and contributions of YP members.

M. Sai Prashanth's participation in the 2024 IEEE Young Professionals Annual Committee Meeting and SAC/YP/WIE Joint Meeting has laid the groundwork for a successful year ahead, with plans to implement the ideas and strategies discussed to benefit the IEEE Education Society's Young Professionals community.

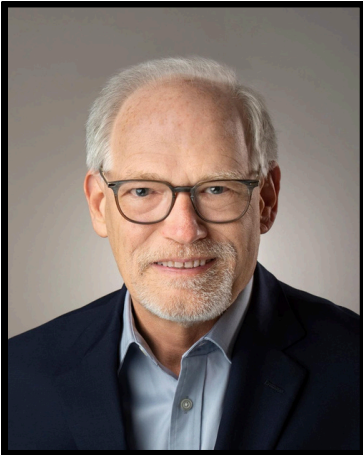
FIRESIDE CHAT & COFFEE TIME DIARIES WITH

MR. THOMAS COUGHLIN

IEEE PRESIDENT AND CEO



FIRESIDE CHAT & COFFEE TIME DIARIES FEATURING MR. THOMAS COUGHLIN, IEEE PRESIDENT & CEO



1. Can you share with us your journey to becoming the IEEE President and CEO? What motivated you to achieve and pursue this position?

I joined IEEE as a student for a conference discount, which sparked my interest. I've been a member for around 45 years, starting in Minnesota where I published papers and attended conferences.

In California, I chaired a local chapter in the Santa Clara Valley (Silicon Valley) section. After a ten-year break, I returned as chair and got more involved in the section, eventually becoming treasurer, vice chair, and then chair of the Santa Clara Valley section.

In 2007, I got involved with the IEEE Sections Congress, proposing and successfully hosting the 2011 Sections Congress in the San Francisco Bay Area, raising \$250,000 from local companies for the event. This allowed us to organize various activities and expose attendees to different IEEE societies.

I ran for and was elected IEEE Region 6 Director, initially serving as an area chair. A notable project was commemorating the first Trans-Pacific cable milestone, where I wore an aloha shirt inspired by local customs. This led to creating IEEE aloha shirts for Region 6, which added a sense of joy and engagement. We also organized joint events with other regions, such as a large regional meeting with Region 4, fostering community and shared purpose.

In 2017, I ran for and became IEEE-USA President. We created a popular red, white, and blue tie-dye shirt and focused on outreach activities, including the "My IEEE" video series, which aired on TV stations across the U.S., helping with member recruitment and retention.

During the pandemic in 2020 and 2021, I ran for IEEE President and was elected in 2022. Last year, I served as President-Elect, and this year I am the President. Throughout my journey, I've been involved in numerous conferences and societies, particularly the Consumer Technology Society, where I served on the board for 12 years and was the Vice President of Conference Planning and a Distinguished Lecturer. I've also participated in various standards activities.



2. As the IEEE President and CEO, what are your goals and priorities for the organization, more specifically in IEEE 2024 and beyond?

We are developing a strategic plan for the next five years, aimed at defining our goals and creating an actionable plan to achieve them. This involves extensive discussions within the board and with external stakeholders to shape our vision and strategies.

The average age of IEEE members has been increasing. Despite having over 170,000 student members, we struggle to retain them post-graduation. My priority is to engage and retain more young members to ensure IEEE remains a vital and dynamic organization. This is crucial for developing new leaders and sustaining our activities beyond our 140-year history.

Enhancing our connection with industry and those involved in practical applications of technology is essential. Most of our student members end up working in industry, so we need to make IEEE relevant and valuable to them. This includes building partnerships with companies and providing benefits that appeal to professionals involved in applying technology.

We need to improve public awareness of IEEE and its mission. Many of our members are introverted and focused on their technical work, so we need to be better at publicizing who we are and what we do. This involves individual members acting as ambassadors to communicate the value and impact of our mission to advance technology for the benefit of humanity.

Open access will impact IEEE publications in the coming years. Since publications are a major revenue source for IEEE, we must find new ways to fund our mission. Exploring applications of artificial intelligence and other algorithms to IEEE content could lead to new products and services, helping sustain our financial health.

Many IEEE members are educators who are training the next generation of technologists. Education, particularly in the U.S., has become very expensive. We need to leverage technology to lower educational costs, making technical knowledge and skills more accessible, especially to marginalised communities and those in developing areas. This includes continuous education to keep up with rapid technological changes. We have an ad hoc task force on the future of education, exploring ways to make it more affordable and available to all.

IEEE 140 YEARS

IEEE

IEEE Education Society

IEEE young professionals EDUCATION SOCIETY

IEEE young professionals Professional Communication Society

ACES
Align, Connect, Empower and Soar

Thomas Coughlin
2024 IEEE President & CEO

Five Side Chat & Coffee Time Diaries
with **IEEE President**

Scan the QR Code to join online :

 Date
18th May, 2024

 Time
10:30 AM EDT onwards



Meeting ID: 813 6026 4783
Passcode: 519400




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3. Collaboration is a key in the tech industry. How does IEEE help foster collaboration among its members and with other organizations? How do you see the role of IEEE evolving in the rapidly changing landscape of technology and innovation?

Collaboration is crucial for achieving our goals, especially within a complex and expansive organization like IEEE, which has over 470,000 members in more than 190 countries. Given our wide array of activities, fostering collaboration among IEEE members is vital.

I envision using technology to enhance how we connect and collaborate. We should leverage existing tools and develop new ones to help members find and collaborate with each other more effectively. While we already have collaborative activities like conferences and publications, we can improve individualized interactions and provide more opportunities for collaboration.

Externally, it's essential to partner with other organizations. For instance, the future of education is a significant area where we cannot work alone. Collaboration with diverse communities, governments, and other professional organizations is necessary to achieve our goals. Our members, with their vast networks, are a significant strength, facilitating these interactions.

One example is the global semiconductor ad hoc committee, which involves members worldwide and addresses initiatives like the U.S. CHIPS Act. This committee brings together members to leverage their connections and enhance collaborative efforts.

We continue to address global challenges, such as climate change, initiated by previous presidents. Our members and organizations have ongoing initiatives that can significantly contribute to mitigating or solving these issues.

Standards development is another area where collaboration is fundamental. Since 2015, IEEE has focused on ethical design and artificial intelligence, emphasizing ethics, sustainability, and third economies. These initiatives highlight the value of collaborative efforts in achieving meaningful progress.

In summary, fostering collaboration within IEEE and with external partners is essential for addressing global challenges and advancing technology for the benefit of humanity.

4. What are some of the biggest challenges in the tech industry today and how is IEEE addressing them?

One of the biggest challenges facing technology today is how quickly it's changing, especially with all the developments in artificial intelligence. I think IEEE needs to help our members and others understand AI and how it can be used. Many of our members are already working with AI, so there's a real opportunity there.

Another big challenge in the industry is finding people with the right knowledge in these emerging areas. Companies are laying off people but also hiring in these hot fields. That's where IEEE can really help with continuing education, helping our members and the general public get up to speed on new technologies and get involved.

We should encourage advancements and awareness of new technologies. Our Future Directions Committee is great at focusing on emerging technologies that will impact us. It helps our members understand and engage with these new areas. Getting involved in IEEE as a member or a leader is really valuable—you learn a lot, not just about technology but also about working with others.

Standards development is another area where IEEE plays a big role, helping our members stay current and be the best employees they can be. And like I mentioned before, we need stronger connections with the industry. Our Industry Engagement Committee has the Institute Partnerships program, and I want to expand that. By offering customized services and capabilities to companies, we can build stronger ties and help their employees become engaged IEEE members. This benefits both the companies and helps us pursue our mission of advancing technology for the benefit of humanity.

5. Can you tell us about any recent initiatives or projects within IEEE that you are particularly excited about?

Yes. Number it up. We've got this in our Strategy and Planning Committee. The Strategy and Planning Committee is a board committee. We're developing a strategic plan for 2025 to 2030. We're doing a lot of outreach to members all over the world, including IEEE leadership, to find out what people value and what we should be pursuing. This excites me because we're not just setting aspirational goals but creating concrete plans for the next five years.

We also have a task force on engaging students and young professionals, especially those in industry. This involves multiple IEEE committees and regions, including Member Geographic Activities and the Industry Engagement Committee.

Another task force on the future of education is out of our Education Activities Board and includes other groups as well. This task force aims to explore how we can make education more affordable and accessible. This is something we must do with other people to have an impact. We have several other committees working on important activities. For example, IEEE Future Directions is exploring new technologies and their potential impact. The global semiconductor activity is particularly exciting, given current efforts to rebuild local supply chains.

One of the great things about IEEE is that if you're really engaged, there's always something new going on. There's a lot of positive, creative activity at the local section level and within societies. Being in a leadership position allows me to support and engage in these exciting initiatives. It's inspiring to be part of an organization that makes a real impact.

One other thing I think is very important is the initiative to have the current, past, and incoming presidents work together. I was the chair of the IEEE New Initiative Committee last year, which funds many projects. I was able to secure funding for my initiatives, and I'm working with Kathleen Kramer, who will be the president next year, to help her get her initiatives going. We need to support continuity because many of these projects can't be completed in one year. The role of the president is like a "bully pulpit," where you can influence and excite people about getting things done. You can't do it all yourself; you need others to be on board. I'd like us to build a tradition of helping each other achieve great accomplishments and make IEEE better.

That's another thing I'm excited about.

6. Diversity and inclusion have become increasingly important topics across all industries. How is IEEE working to promote diversity and inclusion within the technology field?

IEEE has a dedicated diversity and inclusion committee that has organized various activities aimed at fostering a more inclusive environment. The organization strives to maintain a balance in its positions and awards, considering both gender and diverse backgrounds. IEEE, being a global community, values and respects the different origins, perspectives, and backgrounds of its members, aiming to celebrate and integrate them into the broader community.

Additionally, there are outreach efforts to collaborate with various groups, and plans to visit different countries, including Africa and India, to connect with younger members and explore opportunities for engagement. The goal is to inspire young people to see themselves as future leaders of IEEE and to provide them with resources that support their careers. This project is ongoing, with continuous efforts to make IEEE more inclusive, engaged, and vital for all its members.

Engagement is crucial, and as IEEE members, everyone is united under the same banner, working towards the common goal of advancing technology for humanity's benefit. Promoting diversity and inclusion is essential for progress in any field, and it is encouraging to see IEEE's commitment to creating a more inclusive environment for all its members.

7. What advice would you give to the young professionals and the students who are aspiring to have a successful career in the technology sector?

This ties into some of the priorities I've been discussing. I would love for young professionals and students to see IEEE as an essential part of their career path and life. IEEE should be a valuable source of technical information and help them stay updated with the latest developments. Additionally, it offers opportunities for volunteering, which can be highly rewarding.

As we navigate through different stages of life, including family commitments, the time available for volunteering may vary. However, I have found that being an IEEE volunteer, whether in leadership positions or general roles, is immensely fulfilling. It allows you to meet and connect with many intelligent people worldwide, enriching your knowledge and experience.

Volunteering with IEEE also helps develop social skills, which can be beneficial in various aspects of life, including your job. For instance, being able to collaborate effectively with others, even when they are not being paid, is a valuable skill. These social skills can also help in personal relationships and family life.

IEEE provides technically oriented individuals with the opportunity to develop social skills in an environment that aligns with their interests. I encourage you to excel in your job, do good work, and be an active part of IEEE. Let IEEE support you in achieving success, fulfilling your dreams, and making a positive impact in the world.

8. Finally, on a lighter note, what are some of your hobbies or the interests outside of the world? How do you unwind and recharge yourself whenever you feel stuck or stressed out?

I enjoy reading and often listen to audiobooks when I'm not reading physical books. Staying physically active is important to me, and lately, I've been doing a lot of hiking. Interestingly, I met my wife through dancing, which is another activity I love. I've also had some unique experiences like crawling into caves, and I'm an old rock collector. Additionally, in recent years, I've taken up brewing beer as a hobby.

I recall a memorable event in 2016 at a big YP Region 10 gathering in Bangalore. The event featured young professionals and possibly some students showcasing different foods. In the evening, they dressed in traditional costumes and performed dances from their regions. Some of us in the audience joined in, trying to imitate the dances. It was a wonderful experience.

9. What would be your exact vision for the YP's to grow up in the scale from a normal leader, I mean, at a student level, to becoming president? What should the wide range of scope for in this timeline as a volunteer at IEEE?

The Volunteer Leadership Training Program, also known as the Volt Program, is a great way to gain visibility within IEEE. IEEE is a complex organization with many layers, and this program helps you learn about its various parts and how they operate. Often, we start with knowledge of only one aspect of IEEE, but the Volt Program provides exposure to many different activities and functions within the organization.

When volunteering, doing a good job gets you noticed. Expressing interest in helping with projects can lead to more opportunities. However, it's important to recognize your own limitations and pace yourself. Don't let IEEE commitments harm your personal relationships or well-being. Everything should work together harmoniously, allowing you to be happy and fulfilled without neglecting other important aspects of your life.

Remember to collect good stories along the way. An important part of life is having memorable experiences to share. Even if you can't participate in everything all the time, you can still recount stories from when you were more active. Enjoy your IEEE activities and find happiness in what you do.

10. What's your advice for the future generation of engineers and new IEEE members?

First and foremost, do your job well. Whatever task you undertake, strive to excel in it. Stay alert for opportunities, and pay attention to how things are evolving. An organization like IEEE can be incredibly beneficial in helping you stay engaged with the latest advancements in technology and in learning new things.

IEEE leadership and engagement operate on the principle that the more effort you invest, the more you will gain. Getting involved in IEEE means engaging with other people. Life is about working with people to achieve goals, and IEEE is an excellent platform for bringing together individuals who are passionate about various technological fields. It's a great way to connect with others, discover new developments, receive mentoring and advice, and find opportunities. Personally, I've even secured work through my IEEE connections.

Involvement in IEEE helps you learn new things, stay active, develop your skills, and make a significant contribution.

11. With artificial intelligence increasingly dominating the realm of technology and automation, how do you envision engineers and technologists adapting and evolving in order to remain relevant and impactful in the industry?

I recommend experimenting with new technologies yourself to understand their capabilities and limitations. If you have the skills, you might even contribute to their development. Familiarity and hands-on experience with new tools can help you make better decisions regarding their use, both personally and within your organization. This approach applies to any emerging technology, not just AI.

Staying informed and conversant with new technologies enables you to engage in meaningful discussions about them, which can raise your visibility as a knowledgeable individual. This increased visibility can lead to new opportunities. Learning about and engaging with new technologies, such as AI, can bring opportunities your way.

AI, despite its limitations, has significant capabilities and will play an increasingly important role in our work lives. Gaining knowledge about AI sooner rather than later will benefit your career and help you recognize new opportunities that arise from these advancements.

UNVEILING INSIGHTS AND INSPIRATION: IEEE EDUCATION WEEK 2024 WORKSHOP RECAP



Overview

On April 18, 2024, technology enthusiasts and educators converged at The NorthCap University in Gurugram for a transformative journey through the IEEE Education Week 2024 workshop. Organized by the IEEE Education Society YP Ad Hoc Committee, this event aimed to explore the intersection of technology, research, and education, offering participants a mosaic of insights and fostering a community of learning and innovation.

The workshop commenced with a vibrant inauguration ceremony, setting a spirited tone for the day ahead. Participants, eager to delve into the world of IEEE Education Society and its significance, were welcomed into a space buzzing with intellectual curiosity and camaraderie.

The morning unfolded with a series of engaging sessions designed to expand horizons and deepen understanding. Dr. Rita Chhikara, in her tutorial on the Role of Research in the Professional Journey, ignited sparks of introspection among attendees. Her profound insights into the transformative power of research resonated deeply, inspiring a renewed commitment to scholarly endeavors and professional growth.

Following a brief interlude, the workshop continued with Dr. R. Lenin Raja's exploration of the Impact of Standards in EMI/EMC, 5G, and Beyond. Dr. Raja's expertise illuminated the intricate connections between technological standards and emerging innovations, offering participants a comprehensive view of the evolving technological landscape and its implications.

As the workshop drew to a close, participants gathered for closing remarks and a heartfelt group photo session. This moment of unity and reflection encapsulated the spirit of collaboration and shared learning that defined the day. Participants departed with a sense of renewed purpose and inspiration, eager to apply newfound knowledge and forge ahead in their professional journeys.

The success of IEEE Education Week 2024 would not have been possible without the dedication and support of our participants, organizers, and sponsors. Their commitment to advancing education and technology deserves our deepest gratitude. Together, we celebrate the bonds forged and the insights gained, affirming our collective mission to nurture the next generation of innovators and leaders.

As we reflect on the impactful discussions, enlightening sessions, and memorable connections made during IEEE Education Week 2024, we look forward to continued growth and collaboration within the IEEE Education Society community. Let us carry forward the spirit of curiosity, collaboration, and innovation as we embark on future endeavors together.

This workshop not only provided a platform for learning but also fostered a community dedicated to pushing the boundaries of knowledge and innovation. As we move forward, let us embrace the lessons learned and continue to inspire excellence in education and technology.

IEEE EDUCATIONAL WEEK EVENTS IN TURIN: INSPIRING YOUNG MINDS WITH MATABÌ

During the Biennial Technology Event held in Turin, Italy, the IEEE Educational Week showcased two engaging mornings of workshops dedicated to exploring the potential of Matabì, a Duplo Lego kit designed to enhance spatial thinking, computational skills, and various other abilities through the teaching of mathematics. The events were a great success, drawing enthusiastic participation from both children and their families.

Friday, April 19: Matabì – Playing with Angles

Facilitators: Maria Giulia Ballatore, Chiara Genova

On the first day, two 1.5-hour sessions were conducted targeting elementary school students. The morning's activities focused on understanding the concept of angles. The first session included 27 children aged 8 to 10, while the second session catered to 21 children, all 10 years old.

The workshop began with a comprehensive introduction to angles, covering definitions and nomenclature. The children engaged in hands-on activities using the Lego kit to learn about right, straight, and full angles, as well as acute and obtuse angles. Following this, the children participated in a physics game where they used the materials provided to construct the deepest possible anthill.

In the second workshop, the children reviewed the concepts of angles before moving on to triangles. They reaffirmed their understanding of triangle construction properties and then worked in groups to build towers featuring triangular windows. This interactive approach helped solidify their understanding of geometric concepts.



Sunday, April 21: Construction: Between Skills and Thought

Facilitators: Maria Giulia Ballatore, Federica Bertola, Chiara Genova

The second day featured two sessions of a family-oriented workshop designed for children aged 3 to 5, with each session lasting 1.5 hours. The first session saw the participation of 23 children, while the second had 20 children.

The workshop aimed to introduce basic computational thinking concepts through a playful and engaging adventure with Matabì, a friendly machine helping its friends reunite. The activities included building a bridge to help mole companions cross a river and constructing colorful towers to aid in solving the mission, which promoted abstraction and generalization skills.

Children also learned Matabì's movement commands, developing their algorithmic thinking by creating sequences of commands on a test track. This exercise was extended to a generalization activity where children's codes were transformed into music, emphasizing pattern recognition.

The culmination of the workshop involved combining all the computational thinking components to complete the mission, creating commands to help Matabì find the lost Brickly mole. This process of collective verification and problem-solving was both educational and entertaining.

In conclusion, each child was encouraged to build their own machine to solve a problem or help someone, reinforcing the concepts of abstraction and generalization. The workshops not only provided a fun and engaging learning experience but also equipped the young participants with essential skills for the future.

TALK ON FUTURE OF STEM EDUCATION

The IEEE Education Society YP Adhoc Committee successfully hosted a thought-provoking event as part of IEEE Education Week 2024, focusing on the future of STEM (Science, Technology, Engineering, and Mathematics) education. Held online on April 20th, the session featured Mr. A. Raghu Rama Chandra, Projects Executive Manager at SR Engineering Solutions, who delivered a keynote address on the evolving landscape of STEM education.

Event Highlights

The event opened with introductory remarks, followed by an overview of the IEEE Education Society and the significance of IEEE Education Week. Mr. Chandra's keynote address explored the future trajectory of STEM education, emphasizing the importance of Problem-Based Learning (PBL), its relevance to STEM, and emerging trends shaping the field. He underscored the necessity for fostering innovation, critical thinking, and problem-solving skills among students to prepare them for a technologically driven world.

The poster is a promotional graphic for an event. At the top, it features logos for IEEE 140 Years, IEEE, IEEE Education Society, and IEEE Young Professionals Education Society. Below these, it identifies the organizing body as the IEEE Education Society Young Professionals Adhoc Committee. The main title is 'IEEE Education Week™ 2024', with a sub-line 'Presents an informative session on'. The event title is 'Talk on The Future of STEM Education'. A QR code is provided for registration. The speaker is identified as Mr. Raghu Rama Chandra, Projects Executive Manager at SR Engineering Solutions. The event details are: Date: 20th April 2024, Time: 7:30 PM IST Onwards, Venue: Online. Social media icons for Facebook, Instagram, and LinkedIn are at the bottom right, along with the handle /ieeedusocyp.

IEEE 140 YEARS

IEEE

IEEE Education Society

IEEE young professionals EDUCATION SOCIETY

IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS ADHOC COMMITTEE

IEEE Education Week™ 2024

Presents an informative session on

Talk on The Future of STEM Education

QR Code

Date: 20th April 2024
Time: 7:30 PM IST Onwards
Venue: Online

Speaker
Mr. Raghu Rama Chandra
Projects Executive Manager
SR Engineering Solutions

Facebook Instagram LinkedIn /ieeedusocyp

Key Topics Discussed

1. Trends and Challenges in STEM Education: Mr. Chandra discussed current trends and challenges, including access to quality education, disparities among underrepresented groups, and the need for curricula updates to meet industry demands.
2. Innovations in Teaching and Learning: Participants explored innovative teaching methodologies such as project-based learning, experiential education, digital simulations, and the integration of emerging technologies to enhance student engagement and comprehension.
3. Addressing Diversity and Inclusion: A significant portion of the talk focused on promoting diversity and inclusion in STEM. Strategies for creating inclusive learning environments and increasing representation of marginalized groups were shared.
4. Future Directions and Opportunities: The event concluded with reflections on future directions in STEM education, highlighting the importance of nurturing girls' interests in STEM subjects to open up a wide range of career opportunities in traditionally male-dominated fields.

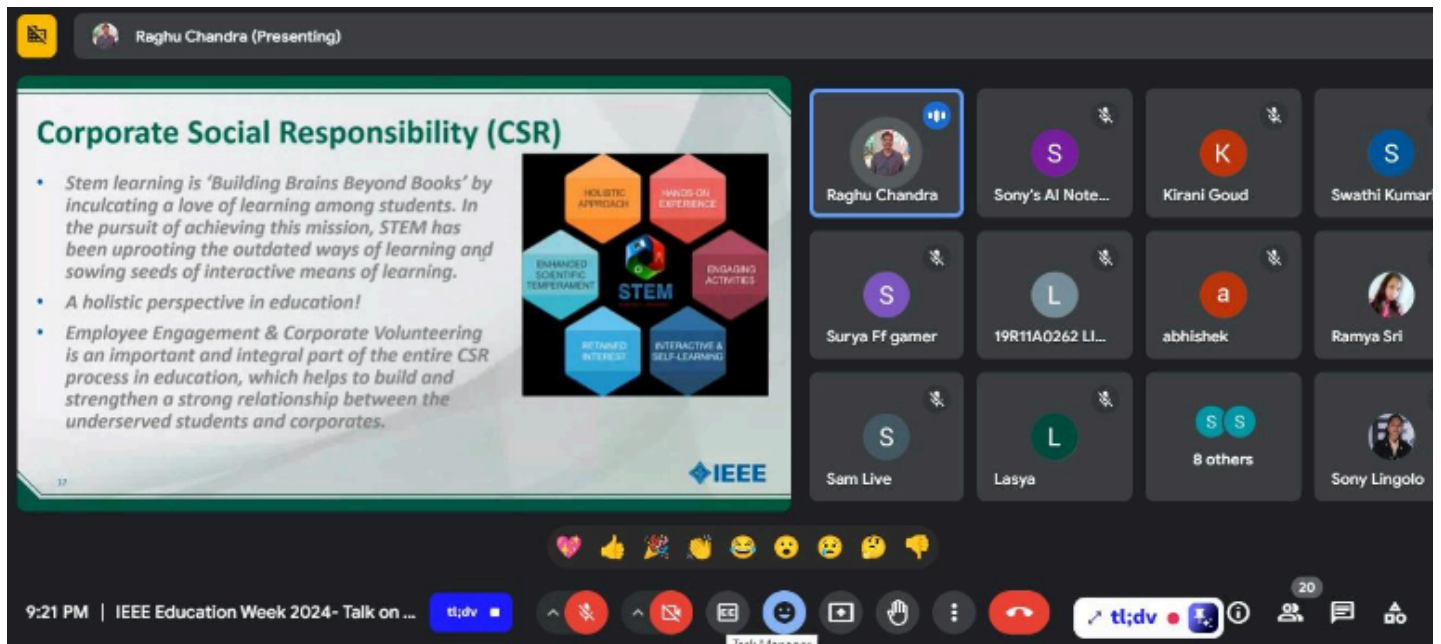
The screenshot shows a Zoom meeting interface. On the left, a presentation slide is displayed with the title "How STEM education is transforming the lives of girls in India". The slide content includes:

- STEM education is crucial for girls in India, as it offers them equal opportunities to excel in fields traditionally dominated by men. By providing girls with a strong foundation in science, technology, engineering, and mathematics.
- STEM education prepares girls to meet the demands of the rapidly evolving job market, where proficiency in these areas is highly sought after.
- Recognizing the importance of empowering girls through STEM education, numerous initiatives have been launched in India to bridge the gender gap in these fields.
- Some organizations like Girls Who Code and STEMinism in India are working tirelessly to provide girls with access to quality STEM education and opportunities by competitions and providing funding IEEE

On the right side of the interface, there is a grid of participant avatars. The participants listed are: Raghu Chandra (Presenting), Sony's AI Note..., Kirani Goud, Swathi Kumari, Surya FF gamer, 19R11A0262 LL..., abhishek, Ramya Sri, Sam Live, Lasya, 8 others, and Sony Lingolo. The bottom of the interface shows a toolbar with various icons for chat, mute, video, and other meeting controls. The time displayed is 9:35 PM and the meeting title is "IEEE Education Week 2024- Talk on...".

Conclusion

The "Future of STEM Education" talk served as a dynamic platform for educators, students, and industry professionals to envision and shape the future of STEM learning. By fostering collaboration, innovation, and inclusivity, the IEEE Education Society YP Adhoc Committee affirmed their commitment to equipping students with the necessary skills and knowledge to thrive in an ever-evolving world driven by science, technology, engineering, and mathematics.



FIRESIDE CHAT & COFFEE TIME DIARIES WITH

MR. DEEPAK MATHUR

IEEE VICE PRESIDENT MGA



FIRESIDE CHAT & COFFEE TIME DIARIES FEATURING MR. DEEPAK MATHUR, IEEE VICE PRESIDENT MGA

Mr. Deepak Mathur is a distinguished leader within the IEEE community, currently serving as the Vice President of Member and Geographic Activities (MGA). His journey within IEEE has been marked by several pivotal roles, showcasing his commitment to advancing technology and fostering community engagement. Previously, Deepak held the position of Director for IEEE Region 10 from 2021 to 2022, following his tenure as Director-Elect from 2019 to 2020. He has also served as Chairperson of the IEEE India Council, leaving an indelible mark during his term in 2015-2016. Earlier in his career, Deepak Mathur contributed significantly as Chairman of the IEEE Gujarat section from 2006 to 2007, where he laid the groundwork for impactful initiatives in the region. Through his leadership and dedication, Deepak continues to shape the future of IEEE's global initiatives, emphasizing innovation, collaboration, and technological advancement.

1. What inspired you to pursue a career in engineering and become actively involved in IEEE?

As a young child, I was very interested in mathematics, and when it came to deciding on a career, it played a very important role. Being good at science and engineering, I decided to pursue engineering. Of course, my parents also assisted me in choosing my career and I joined IIT Roorkee and selected the Electronics and Communication branch, which was quite promising at that time and still is today.

Regarding my involvement with IEEE, I was introduced to it by one of my colleagues. I became a member of IEEE because, even as students, we knew how much IEEE contributed to technical advancement and wanted to be a part of it. I remember going to the library to read different IEEE journals, which was quite interesting, though I was not really aware of the IEEE volunteer activities at that time.

2. Could you share some key highlights of your journey from being a member to holding leadership positions within IEEE?

Before I talk about my journey, let me emphasize an important aspect of life: sincerity. Whatever one does, one needs to be sincere. Having said that, when I was introduced to a volunteer position in my section, the Gujarat section, I got the opportunity to work sincerely.

Consequently, my section chair at that time noticed my dedicated volunteer approach and introduced me to one of the region committees. As I attended region committee meetings on his behalf, I saw the way professionals were participating, interacting, and networking and was amazed by it. It inspired me to continue as a volunteer. I served as the secretary of my section, and just three years later, I had the opportunity to serve as the chair. I also had the chance to serve in the India Council in several roles and was eventually elected to chair the council. I was also elected to be the vice president of the MGA and would like to thank each one of you for the faith and trust you had in me and that you elected me to the said position.

I have never looked back since I got my first volunteer position in my section and today, I am serving as the Vice President of MGA and a member of the IEEE Board. This, in a nutshell, is my journey. It was a roller coaster ride with several challenges and opportunities. We turned challenges into opportunities, resulting in many success stories. We also learned a lot in the process and I would convey that we ought to learn more from our failed efforts than from our successful ones.

I want to emphasize that even a small section volunteer like myself can rise to become a region director and eventually a Vice President. You all have the capability to reach that level too so do believe in yourself. To achieve this, you just need to be sincere and dedicated in your efforts.

3. As someone with extensive experience in IEEE governance, what do you believe are the most pressing challenges facing the organization today?

First of all, I would like to tell you all that IEEE is a growing organization, and you should all be proud of that since the organization is thriving because of its dedicated volunteers. The fact that we are organizing and sponsoring more than 2,000 conferences and have over 6 million documents in our digital library demonstrates that IEEE is a growing organization. However, we do face challenges.

If I had to single out one major challenge for IEEE, it would be retaining our student members. There are two important aspects we need to focus on. Firstly, member engagement—whether you can utilize the member engagement programs of IEEE. Secondly, awareness of resources—whether you are truly aware of the resources provided by IEEE. IEEE offers a plethora of resources, and ieee.org is the right place to explore how these resources can benefit one's professional, technical, and career advancement.

Our challenge lies in student retention, and it's crucial to be aware that IEEE provides numerous opportunities. These include various programs, activities, and leadership roles. Many of you are already in some form of leadership role provided by IEEE. IEEE offers you the chance to create opportunities and design your own programs, be it at the section level or the student branch level. For example, if you are passionate about embedded systems, which might not be part of your curriculum, you can use the IEEE platform to design and organize your program. This allows you to learn from it. Thus, IEEE provides many opportunities for your development, and it's up to you to take advantage of them.

4. You have witnessed numerous opportunities being transformed into meaningful efforts and impacts. Drawing from your experience, could you provide suggestions on how we can make our programs more impactful and contribute to society as a whole, as a team?

I want to emphasize that IEEE offers opportunities to create opportunities. Whether you are a student or a young professional, it's up to you to decide what kind of program you want from IEEE. It can be a platform to learn leadership skills. For example, if you believe leadership skills are needed among members, you can organize a leadership program. Similarly, if there's a need to learn about writing technical papers, IEEE provides a platform for that too. You can design the program and seek out speakers with the help of senior members in your section.

If you are passionate about serving humanity or underserved communities, IEEE has excellent programs where you can create initiatives at your organizational unit level. For instance, if you are part of a student branch or a section, you can always initiate such programs. However, the key is taking initiative and leading efforts, and IEEE will support you at every step.

5. In your opinion, what are the most important initiatives that IEEE should focus on to remain relevant in the rapidly evolving landscape of technology?

It's important to note that IEEE is a trusted source of information in the field of technology. Through the dedication of our volunteers and various conferences, we continually receive and update research papers in our technical library. With 39 technical societies contributing significantly to the advancement of technology, IEEE plays a pivotal role in this domain.

Additionally, we are actively engaged in envisioning IEEE in 2050, collaborating with futurists to chart the course forward. We have a strategic plan in place up to 2025, and preparations are underway for its refresh next year, along with discussions for our 2030 strategic plan. Climate change is a key focus area, and our Future Directions Committee plays a vital role in identifying and establishing technologies as formal initiatives within IEEE. Thus, IEEE remains committed to advancing technology on multiple fronts, ensuring its continued leadership in the technological landscape.

6. As the Vice President of Member and Geographic Activities (MGA), what are your primary responsibilities and goals for this role?

Let me begin by discussing MGA's goals, which are aligned with IEEE's mission and vision. Our main objectives are increased member engagement and membership growth. It's crucial to understand that our focus is not just on expanding membership numbers, but on ensuring that our members are actively engaged. Engagement is key—if members find our offerings relevant, growth naturally follows.

Another focus area for MGA is fostering relationships among members and collaborating with other IEEE organizational units, such as the Technical Activities Board and Educational Activities. We also collaborate closely with IEEE standards. MGA supports and encourages local units like sections, chapters, and student branches, aiming to enhance operational efficiency and effectiveness.

As the Vice President of Member and Geographic Activities and Chair of the Member and Geographic Activities Board, I am responsible for developing a long-range strategy for MGA. Over the next three years, our strategic priorities include enhancing member retention, especially ensuring active student members transition smoothly to young professionals. Many may not realize how IEEE can support them in their careers after graduation, and it's our responsibility as volunteers to educate them on IEEE's lifelong benefits.

Another critical focus is developing volunteers for succession planning. IEEE is a volunteer-led organization, and it's essential to prepare future leaders at all levels—from sections to regions. Diversity is also a priority; beyond gender diversity, we emphasize diverse perspectives and expertise in committees to ensure comprehensive representation and innovative ideas.

In 2024, we are concentrating on these three pillars: member retention, volunteer development, and diversity. It's important to note that diversity includes not only demographic diversity but also diversity of ideas and practices, essential for robust decision-making.

Lastly, it's crucial to think globally and act locally in our initiatives. India, for instance, presents unique challenges and opportunities across its diverse sections. Customizing programs to local needs ensures relevance and effectiveness.

7. Are there IEEE resources such as scholarships, mentorship opportunities, or connections with PhD scholars available for graduate student members who wish to pursue higher education abroad?

The resources available to one may depend upon their field of study or interest. For instance, if you're pursuing signal processing, the Signal Processing Society offers scholarships, such as \$7,000 spread over three years for eligible student members. Various IEEE societies have similar schemes that benefit their members, but it's essential to explore and stay informed. Awareness of IEEE resources is crucial, whether you're a volunteer or not. So, you must take the initiative to research which technical societies are relevant to your field and what they offer in terms of scholarships and resources. It's up to you to discover these opportunities and make the most of them.

8. Could you please provide information on the plans for 2024 by the MGA? How is the MGA board planning to leverage VoLT graduates?

As we know, 2024 is still ongoing, and we are making many decisions and creating action plans. Committees like Membership Development, Geographic Unit Operations, and Information Management are actively engaged in this process. Special committees for Young Professionals (YP) and Women in Engineering (WiE) are also operational, with calls for nominations and proposals ongoing.

We are currently revisiting these committees to enhance member engagement, as discussed earlier. These efforts will culminate by the end of the year.

As for the latter question, when a VoLT graduate is about to graduate, notifications are sent to section chairs and regional leadership and it is up to their discretion to appoint them to any suitable leadership position. Alternatively, the graduates may also reach out to the section leadership with areas of interest where they can volunteer efficiently and effectively. Thus, there exists no direct appointment of VoLT graduates to any committee, though they do have an edge over other volunteers.

9. How do you see the role of IEEE in fostering collaboration and knowledge exchange among professionals from different geographic regions and technical fields?

As you know, IEEE is organized into 10 regions, with each region having sections, which in turn have student branches, technical societies, chapters, and affinity groups. These organizational units at all levels provide ample opportunities for collaboration and knowledge exchange. They also give you the flexibility to organize your programs and conferences and to participate in various calls for proposals from regions.

For example, if you're part of a student branch, your section may already be engaged in such activities. Sections, chapters, and student branches are excellent platforms for networking and collaboration.

10. Could you discuss some of the strategies you have implemented to promote diversity and inclusion in the IEEE, particularly in terms of membership and leadership opportunities?

This might be a repeated answer but I want to emphasize the importance of diversity, not just in terms of gender but in broader aspects as well. Let me share an example that might offer a different perspective.

In 2021 and 2022, during the COVID-19 pandemic, many of our activities transitioned from offline to online. One significant event is the Students, Young Professionals, Women in Engineering, and Life Members (SYWL) Congress, organized by Region 10 every two years. Previously, it was held in Bali, then virtually, and most recently in Jeju, Korea.

If we don't pay attention to diversity, there's a risk that these kinds of events could repeatedly occur in similar or familiar locations. For example, without considering diversity, the SYWL Congress might consistently be held in South Asia or India due to several factors like ease of organization, competitive rates, and a large pool of volunteers.

However, by choosing to host the event in Jeju, Korea, we not only diversified the location but also provided an opportunity to develop volunteers in a different locality. This exposure allows local volunteers to learn how the SYWL Congress is organized and get motivated by participating in such a significant event.

Diversity is crucial and must be considered from various angles, including the geographic location of our events.

11. What are some key initiatives or programs that you've championed during your tenure as Director of Region 10, and what impact do you hope they will have?

As Region 10 Director, I found the role incredibly fulfilling among all my volunteer leadership roles. I focused on delegating and empowering our volunteer leaders, and I'm proud to say that all my committee chairs rose to the challenge and performed excellently. This was particularly noteworthy given the challenging circumstances of the COVID-19 pandemic.

Despite the difficulties, our Young Professionals team, Students team, and Women in Engineering team excelled in their efforts. One key initiative we launched during this time was the "Region 10 Talk" program in 2021. We recognized that while we were organizing numerous programs, we were not leveraging our technical societies enough. Hence, the Region 10 Talk aimed to bring technical experts to our members by collaborating with technical society presidents, division directors, and a broad range of technical experts. This program continues to run and remains highly sought after and educational.

Another significant initiative was the introduction of a robotics competition. Despite Region 10's vibrancy and activity, we had been missing this crucial member engagement program. We launched the robotics competition, inviting all student branches to participate. Now in its third year, the competition has become a staple event. This year, it will be held alongside the SYWL Congress in Tokyo, following last year's successful event in Bangkok.

These two programs—Region 10 Talk and the robotics competition—stand out as significant initiatives that Region 10 started and continue to thrive, demonstrating our commitment to member engagement and technical excellence.

12. What advice would you give to young professionals and students who are interested in getting involved in IEEE and aspiring to leadership positions within the organization?

Let me share a story told to me by a student, which illustrates an important point. The student said that if you want to gain knowledge, merely standing in front of a library won't help. To acquire knowledge, you need to go inside the library, find the section relevant to your interests, select the right book, open it, and read it. Only then will you gain knowledge. Similarly, just becoming an IEEE member won't serve the purpose. IEEE offers a wealth of information, resources, and opportunities, but you must actively seek them out. You need to understand IEEE and leverage these resources to your advantage.

I've made one point clear through this example, and now I want to emphasize another. IEEE is a wonderful organization that offers tremendous opportunities right from the day you join as a student member. As soon as you become a student member, you have the chance to take on leadership roles. You can become a member of your section, chapter, or student branch committee. This is a huge responsibility and a fantastic opportunity to grow. You can start as a secretary, then move on to become vice-chair, and eventually chair of your student branch.

If you are dedicated and recognized for your efforts, you can even represent your region as a student representative. You will be part of the regional committee, representing the student voice, which is a significant opportunity.

After you graduate and become a young professional, IEEE continues to offer growth opportunities. You can be part of the Young Professionals (YP) affinity group, taking on roles such as secretary, vice-chair, or chair. Your work can be recognized internationally for your volunteer efforts.

There are countless opportunities, but one word of caution: you need to have patience. This is a journey. IEEE volunteer roles, leadership roles, and activities are part of a lifelong journey, not a destination. It requires a long-term commitment. Starting from being a student member, you can continue this journey to becoming a life member. Along the way, you will have many roles and leadership opportunities.

For young professionals, if you are dedicated, committed, and recognized, you can serve on regional committees, be an ambassador for various IEEE programs, and even participate in IEEE Young Professional committees. In a nutshell, if you have patience, sincerity, and dedication, you are all set to rise from a small role as a student to potentially becoming the IEEE president. Challenges will come, but you must embrace them and keep moving forward.

13. We are hearing IEEE is going to re-align. We need to know from you about Region 10, is there any impact on Region 10?

I believe all of us must understand the significant changes happening within IEEE. We are undertaking a major realignment of the regions, driven by the compelling need to manage the substantial growth of Region 10. The IEEE Constitution restricts us to a maximum of 10 regions unless amended, presenting a unique challenge in addressing this growth.

Region 10 has seen a remarkable increase in membership, making it the largest region. Conversely, some regions have only a fraction of Region 10's membership yet maintain the same level of representation on the board.

To address this imbalance, the IEEE Board has decided to merge Regions 1 and 2 in the USA into a single Region 2, effectively dissolving Region 1. Additionally, Region 10 will be split into two distinct regions: the new Region 10 will cover North Asia, including China, Japan, Korea, Macau, and Hong Kong, while the rest of South Asia and the Pacific will form Region 11. This realignment will take effect from January 1, 2028, and the process has already begun.

This restructuring brings a wealth of opportunities for all members. The split will result in two regional directors and two sets of regional committees, essentially doubling the leadership and volunteer roles available. It's essential for every member to prepare for and embrace these opportunities. Dedication, patience, and continued involvement in your sections and student branches will be key to progressing through IEEE's ranks. Leadership within IEEE is a journey, not a destination, and those who remain committed and patient will find themselves in positions of influence.



IEEE EDSOC YP SYMPOSIUM 2024

The inaugural ceremony of the Symposium commenced with much anticipation as attendees eagerly awaited the event's inaugural ceremony. The gathering was graced by the esteemed presence of notable chief guests, including Mr. Pradeep Gadisu and the esteemed Dean of Symbiosis Institute of Technology, Mr. Ketan Kotecha, alongside MVV Prasad sir. Also present were the Chair and Secretary of the YP Committee, Mr. Sai Prashanth Mallelu and Ms. Ayisha EA, respectively.

The presence of such esteemed figures lent credibility to the Symposium, emphasizing its importance within the academic and professional community. Mr. Pradeep Gadisu's notable contributions, alongside the distinguished perspectives shared by Mr. Ketan Kotecha and MVV Prasad sir, underscored the symposium's relevance in the contemporary landscape of technology and innovation.

Moreover, the guidance provided by Mr. Sai Prashanth Mallelu and Ms. Ayisha EA, as representatives of the YP Committee, added a layer of organizational expertise and commitment to the event's success. Their leadership ensured that the symposium not only met but exceeded expectations, offering attendees a platform for meaningful discourse and knowledge exchange.

As the inaugural session set the stage for the symposium's proceedings, it served as a reminder of the collective effort and vision driving the event forward. The insightful remarks and collective wisdom shared during this session laid a strong foundation for the symposium's objectives, inspiring attendees to actively engage and contribute to its overarching goals of innovation, collaboration, and academic excellence.

IEEE Education Society SYMPOSIUM 2024

02nd - 04th May, 2024
09:00AM Onwards

Venue
SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

CHIEF GUESTS

- DR. PRANAV BALASUBRAMANIAN**
TECHNOLOGY MANAGER, EE, IBMNI & DATA INTELLIGENCE, LATION, IBM RESEARCH LAB, BANGALORE INNOVATION CENTRE
- DR. KETAN KOTECHEA**
DEAN, FACULTY OF ENGINEERING, SYMBIOSIS INTERNATIONAL UNIVERSITY
- DR. SHASHIKANT PATIL**
INTERIM SECRETARY & TREASURER, IEEE BOMBAY SECTION, PROFESSOR, ATLAS SURFTECH UNIVERSITY, MUMBAI
- MR. GADISU PRADEEP**
TECHNICAL PRODUCT OWNER LEAD, SAPPHIRE

INVITED GUESTS

- MR. M. SAI PRASHANTH**
IEEE YP COMMITTEE VP REPRESENTATIVE, IEEE EDUCATION SOCIETY, CHAIR, IEEE EDUCATION SOCIETY AD HOC COMMITTEE
- MS. AYISHA E. A.**
SECRETARY, IEEE EDUCATION SOCIETY AD HOC COMMITTEE, BUSINESS ANALYST, CTRIX CONSULTING PVT. LTD., CHENNAI, INDIA
- DR. SURESH VELAMURI**
SENIOR ENGINEER, LATION RESEARCH LAB, BANGALORE INNOVATION CENTRE
- DR. KANTIPUDI MVV PRASAD**
VICE CHAIR - IEEE & PUNE UNIVERSITY, IEEE EDUCATION SOCIETY VP AD-HOC COMMITTEE, STUDENT RESEARCH COUNCILOR, IEEE SIT STUDENT BRANCH

TECHNICAL CO-SPONSORSHIP
IEEE BOMBAY SECTION

PROMOTIONAL PARTNERS
IEEE ComSoc Education Programs, PRE-UNIVERSITY STEM, VTS, IEEE PuZZLeRS

Date : 2nd May 2024

LEVERAGING AWS CLOUD SERVICES AND DEVOPS PRACTICES

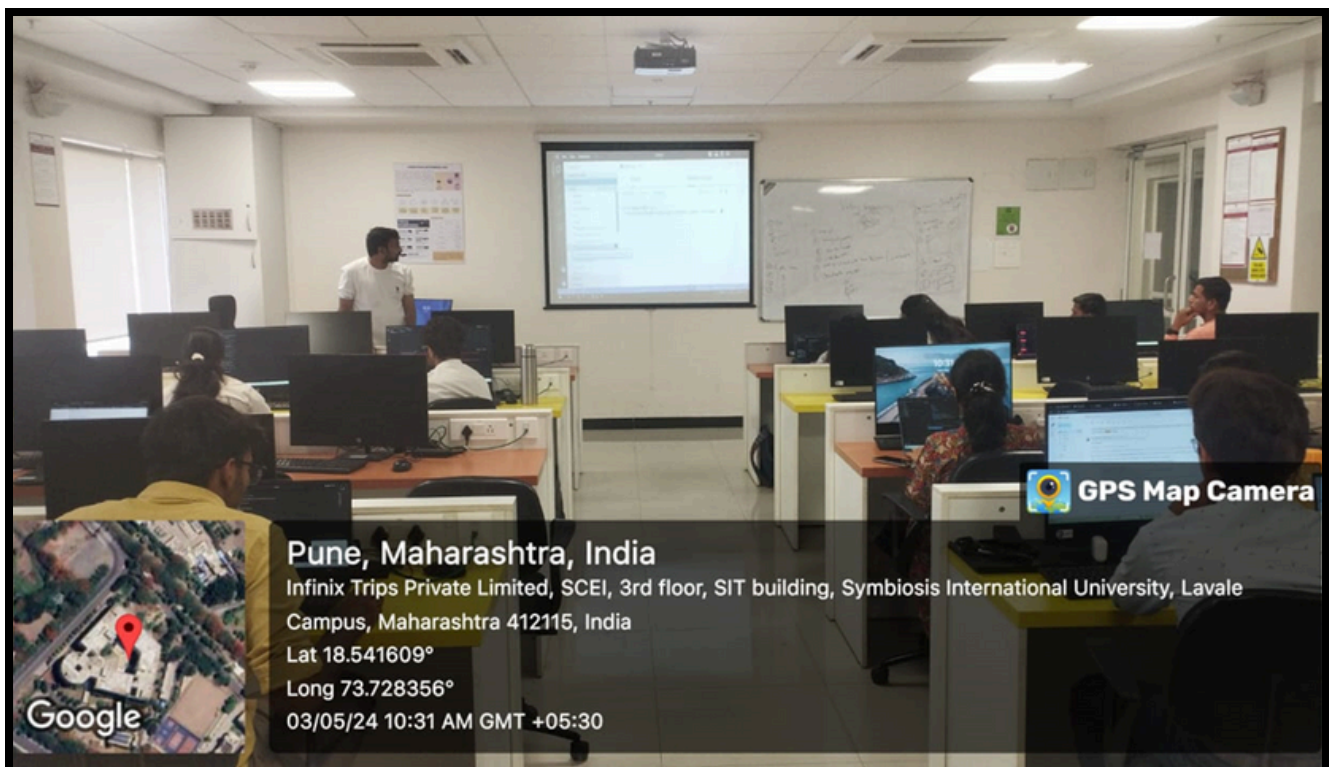
On 2nd May, Yashwanth LM led an informative session on leveraging AWS Cloud services and DevOps practices. Participants were guided through the process of building Continuous Integration/Continuous Deployment (CI/CD) pipelines and developing serverless microservices applications utilizing Amazon Cognito, API Gateway, Lambda, and IAM. The workshop provided valuable insights into modern cloud infrastructure and DevOps methodologies, empowering attendees to enhance their skills in cloud-native development. Through hands-on exercises and real-world examples, participants gained practical knowledge that they could apply in their professional endeavors, accelerating their journey towards becoming proficient cloud developers. By providing a comprehensive understanding of cloud-native development practices and DevOps principles, the workshop equipped participants with the tools and techniques needed to succeed in today's rapidly evolving technology landscape.



Date : 2nd May 2024

WORKSHOP ON ANGULAR AND FRONTEND DEVELOPMENT

Yashwanth.T facilitated a comprehensive workshop focusing on Angular, a popular JavaScript framework for frontend development. Attendees delved into essential Angular concepts such as components, modules, directives, and services, gaining proficiency in building dynamic and scalable web applications. Through a combination of theoretical discussions and practical exercises, participants acquired the necessary skills to create modern web interfaces using Angular. The workshop not only provided a solid foundation in Angular development but also instilled best practices and design principles, enabling attendees to develop robust and maintainable web applications in line with industry standards. By emphasizing hands-on learning and real-world application, the Angular workshop empowered participants to build immersive and interactive web experiences that meet the demands of today's digital landscape.



Date : 2nd May 2024

SELENIUM AND PYTHON FOR AUTOMATION TESTING

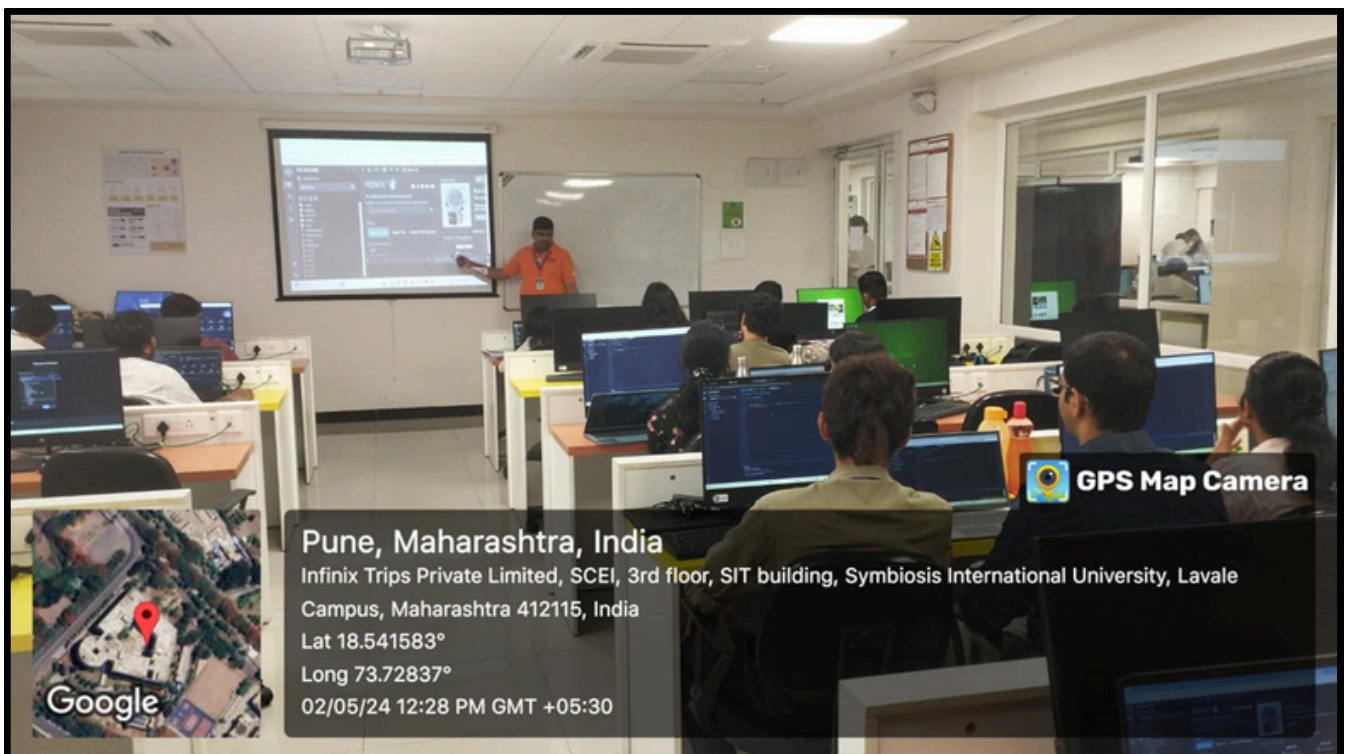
This session was led by Anjaneyulu Devarasetty. This intermediate to advanced-level workshop, centered around automation testing, provided participants with practical knowledge of Selenium and Python for building automated testing frameworks. Through hands-on projects, attendees learned to design and implement automated tests for web and desktop applications, enhancing their proficiency in test automation and software quality assurance. The workshop covered advanced topics such as test case design, data-driven testing, and cross-browser testing, equipping participants with the tools and techniques to effectively automate testing processes and improve software reliability. With a focus on real-world applications and industry-relevant skills, the workshop empowered attendees to streamline their testing workflows and deliver high-quality software products efficiently. By providing a comprehensive overview of automation testing techniques and best practices, the workshop enabled participants to drive innovation and efficiency in software development processes.



Date : 2nd May 2024

TALK ON BLOCKCHAIN TECHNOLOGY

This workshop was Led by M Sai Prashanth, this workshop offered an insightful exploration of blockchain technology and its applications in cloud computing. Participants gained a comprehensive understanding of blockchain fundamentals, exploring its decentralized architecture and mechanisms for ensuring security and trust. Real-world use cases across various industries, including finance, supply chain, and healthcare, were discussed, highlighting the transformative potential of blockchain technology. Through interactive discussions and practical demonstrations, attendees learned about the practical implications of blockchain in cloud computing environments, including its role in data integrity, transparency, and decentralized application development. The workshop provided a valuable opportunity for participants to gain hands-on experience with blockchain technologies and explore innovative solutions to complex business challenges in the digital era. By bridging the gap between theory and practice, the blockchain workshop empowered participants to harness the potential of blockchain and cloud computing to drive business innovation and transformation.



Date : 2nd May 2024

TALK ON EVOLVING LANDSCAPE OF COMPUTER VISION

Puneeth, the Publicity Lead of the IEEE Education Society YP Adhoc Committee, delivered an enlightening talk on the evolving landscape of computer vision as part of the IEEE Education Society Symposium. With over 60 students in attendance, Puneeth provided a comprehensive overview of the latest advancements and trends shaping the field of computer vision. Participants gained valuable insights into the applications of computer vision across various industries, including healthcare, automotive, and retail, highlighting its transformative potential in solving real-world challenges.

The talk delved into key topics such as deep learning, object detection, image classification, and semantic segmentation, offering attendees a deeper understanding of the underlying principles and methodologies driving advancements in computer vision technology. Puneeth's engaging presentation style and expertise captivated the audience, sparking thought-provoking discussions and igniting enthusiasm for further exploration in this rapidly evolving field. Overall, the talk served as an invaluable resource for students looking to stay abreast of the latest developments in computer vision and position themselves at the forefront of innovation. driving advancements in computer vision technology. Puneeth's engaging presentation style and expertise captivated the audience, sparking thought-provoking discussions and igniting enthusiasm for further exploration in this rapidly evolving field.

The poster features a dark background with white and orange text. At the top, there are logos for IEEE Education Society, IEEE youngprofessionals, and Symbiosis Institute of Technology, Pune. The main title is 'IEEE Education Society SYMPOSIUM 2024'. Below that, the talk title is 'Talk on EVOLVING LANDSCAPES OF COMPUTER VISION FROM FUNDAMENTALS TO FUTURISTIC APPLICATIONS'. The speaker is 'MR. N. PUNEETH SARMA', Publicity Lead of IEEE Education Society YP. The event details are: DATE: 02ND - 04TH MAY 2024, TIME: 09:30 AM - 04:00 PM, SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE. A circular portrait of Mr. Puneeth Sarma is on the right. Social media icons and the website 'ieee-edusociety.org' are at the bottom.

Date: 2nd May 2024

WORKSHOP ON IMAGE PROCESSING WITH OPEN CV

This workshop on Image Processing With OpenCV was part of the IEEE Education Symposium 2024, hosted by the IEEE Education Society Young Professionals AdHoc Committee. The session was led by Mr. Sahil Sawant, the Design Lead for IEEE EdSoc YP. Attendees had the opportunity to dive deep into the world of image processing, exploring the powerful tools and techniques offered by OpenCV. The workshop covered a range of topics including basic image manipulation, filtering techniques, edge detection, and object recognition. Participants learned how to read, write, and manipulate images, apply various image processing algorithms, and leverage OpenCV for real-world applications. Whether they were seasoned professionals or curious beginners, the workshop was designed to enhance their understanding and skills in this cutting-edge field. It was an informative and inspiring experience for all who participated, providing valuable insights into the practical uses of OpenCV in image processing.



IEEE Education Society
IEEE young professionals
SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE
IEEE

IEEE Education Society
SYMPOSIUM
2024

STUDENT & PROFESSIONALS PROGRAMS - 3RD MAY 2024

Workshop on
IMAGE PROCESSING WITH OPEN CV

MR. SAHIL SAWANT
DESIGN LEAD
IEEE EDUCATION SOCIETY YP

DATE: 02ND - 04TH MAY 2024
TIME: 09:30 AM - 04:00 PM
SYMBIOSIS INSTITUTE OF
TECHNOLOGY, PUNE

IEEE Education Society
ieee-edusociety.org

TECHNICAL CO-SPONSORSHIP
IEEE Education Society
PROMOTIONAL PARTNERS
IEEE ComSoc
IEEE ComSoc Education Programs
PUNJAB UNIVERSITY
SITEM
VTS

Date: 3rd May 2024

AN INSIGHT INTO A STARTUPS:

The symposium featured another insightful workshop titled "An Insight into Startups," led by Ayisha EA, which provided a comprehensive overview of startups, including their definition, challenges, and the concepts of vertical and horizontal scaling. Ayisha explained vertical scaling as adding resources to an existing system, while horizontal scaling involves adding new server racks. She also detailed the steps to set up an effective Minimum Viable Product (MVP) and discussed the importance of managed IT services for reducing costs and improving service quality. Furthermore, she introduced participants to prompt engineering and the need to automate processes to minimize human errors. Ayisha concluded with the essential mindset for startup success, emphasizing curiosity to learn, a high emotional quotient, and peer learning. The workshop had a profound effect on the participants, providing them with practical knowledge and strategies to apply in their own ventures. Many attendees left with a renewed sense of confidence and a clear roadmap for developing and scaling their startups, making the symposium an informative and inspiring experience for all.



Date: 3rd May 2024

Masterclass on LINKEDIN PROFILE BUILDING

Aryan, the Newsletter Editor of the IEEE Education Society YP Adhoc Committee, delivered an insightful masterclass on LinkedIn profile building as part of the IEEE Education Society Symposium. With over 60 students in attendance, Aryan's expertise provided a comprehensive guide to optimizing LinkedIn profiles for professional success. Participants gained valuable insights into crafting compelling headlines and summaries, enhancing their visual appeal, and employing effective networking strategies to expand their professional network.

Attendees appreciated the interactive nature of the session, finding immediate applicability to their career aspirations. Aryan's guidance on content creation and personal branding resonated with students, empowering them to establish credibility and authority within their respective fields. Overall, the masterclass proved to be a valuable resource for students seeking to enhance their professional presence on LinkedIn and advance their careers in today's competitive job market.

The poster features a dark background with orange and white text. At the top, logos for IEEE, IEEE Education Society, IEEE youngprofessionals, SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE, and IEEE SIT STUDENT BRANCH are displayed. The central text reads 'IEEE Education Society SYMPOSIUM 2024' and 'Masterclass on LINKEDIN PROFILE BUILDING'. A white box on the left identifies 'MR. ARYAN' as the 'NEWSLETTER EDITOR IEEE EDUCATION SOCIETY YP'. Below this, another white box provides the event details: 'DATE: 02ND - 04TH MAY 2024', 'TIME: 09.30 AM - 04:00 PM', and 'SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE'. On the right, a circular portrait of Mr. Aryan is shown. At the bottom, social media links for IEEE Education Society and the website ieee-edusociety.org are provided. Logos for technical co-sponsorship (IEEE Bombay Section) and promotional partners (IEEE ComSoc, IEEE ComSoc Education Programs, PRE-UNIVERSITY STEM, and VTS) are also included.

Date: 4th May 2024

SUPERBIKE WORKSHOP & ROAD SHOWCASE:

As part of the IEEE Education Symposium 2024, the IEEE Education Society Young Professionals AdHoc Committee, in collaboration with Radon Riders, hosted an exceptional SuperBike workshop featuring a magnificent roadshow. The event was graced by a group of 150 bikers who captivated the audience with a stunning display of their bikes during the roadshow. Following the roadshow, a few skilled bikers showcased their talents by performing thrilling stunts, revving their bikes to the delight of the spectators. The students from SIT and the Young Professionals team were particularly fascinated by the impressive performances.

The head of the biker group was introduced afterward, and the director of SIT welcomed him warmly with a bouquet. This was followed by a comprehensive presentation on the significance of road safety and the importance of safe driving practices for bikers and motorcyclists. The speaker delved into various aspects of bike safety, emphasizing the necessity of wearing helmets, adhering to speed limits, and being mindful of other road users.

The presentation also highlighted advanced safety features in modern bikes, the proper maintenance of motorcycles, and the importance of regular check-ups to ensure optimal performance and safety. The speaker shared personal anecdotes and experiences to illustrate the potential dangers of reckless driving and the life-saving benefits of adhering to safety guidelines.

Throughout the event, the atmosphere was charged with excitement and enthusiasm, as the participants were not only entertained by the stunts but also educated on critical aspects of road safety. The session concluded with an interactive Q&A segment, where the audience engaged with the bikers, asking questions and seeking advice on safe biking practices.

In the end, the Young Professionals Committee and the bikers' team gathered for a memorable group photo, marking the successful collaboration and the positive impact of the event. The bikers then departed, leaving behind a legacy of excitement, education, and a renewed commitment to road safety among the attendees.

IEEE Education Society IEEE youngprofessionals. SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE IEEE SIT STUDENT BRANCH

IEEE Education Society
SYMPOSIUM
2024

SUPERBIKE WORKSHOP & Road Showcase

DATE: 04TH MAY 2024
TIME: 07.30 AM - 11:00 AM

IN ASSOCIATION WITH



VENUE: SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE



PRE UNIVERSITY PROGRAMS AT SIT, PUNE

Event 1: ConnectXperience: The Journey into the World of IoT

Date : 2nd May 2024

Participants: (70 Students) 9th & 10th Grade students from Various schools

140 YEARS

IEEE Education Society

SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

IEEE SIT STUDENT BRANCH

IEEE young professionals education society

IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS
ADHOC COMMITTEE
PRESENTS

CONNECTXPERIENCE

THE JOURNEY INTO THE WORLD OF IOT



MR. UTHEJ K
DIGITAL SPECIALIST ENGINEER,
INFOSYS



DR. K. MVV PRASAD
ASSO. PROF. DEPT. OF E&TC,
SYMBIOSIS INST. OF TECH., PUNE



MS. SUJATHA G.
ASST. PROF. DEPT. OF IOT,
CBIT HYDERABAD

SPONSORED BY

TRY Engineering

IEEE STEM Grant

DATE: 02ND MAY 2024
TIME: 10:00 AM - 01:00 PM
SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE



On 2nd May, from 10AM to 1:00 PM. This interactive session, led by Sujata Gupta, Uthej Kalathila, and Dr. MVV Prasad, served as a gateway for school students to delve into the realm of Internet of Things (IoT). Participants were introduced to the fundamentals of IoT, followed by engaging hands-on activities utilizing Arduino and Raspberry Pi platforms. Through the guidance of experienced instructors, attendees explored basic projects such as LED Blink, Light Control using LDR, and an automatic water system employing soil moisture sensors. The workshop not only equipped participants with practical skills in IoT but also inspired them to explore further possibilities in this rapidly evolving field of technology. By fostering creativity and problem-solving abilities, ConnectXperience laid the foundation for future innovators and technologists to contribute meaningfully to the IoT ecosystem.

Event 2: IEEE Foldscope Workshop for School Students

Date: 2nd may 2024

Participants:80 School Students

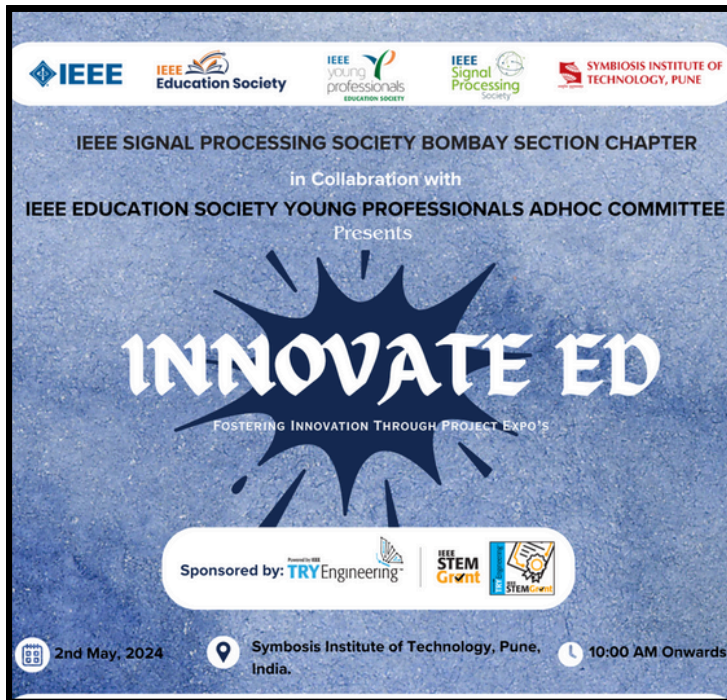


Rajani and Rajesh facilitated a captivating workshop centered around Foldscope, a low-cost paper microscope. Designed for school students, this workshop aimed to foster curiosity and scientific inquiry by offering a firsthand experience of exploring microorganisms using Foldscope. Participants gained insight into microscopy techniques and the microscopic world, as they observed various microorganisms through the Foldscope. The workshop sparked enthusiasm for science and provided a memorable learning experience for young minds eager to explore the wonders of the natural world. By instilling a sense of wonder and curiosity, the Foldscope workshop encouraged participants to question, explore, and discover, laying the groundwork for a lifelong passion for scientific exploration and discovery.

Event 3: Innovate Ed

Date: 2nd may 2024

Participants: 70 participants



The "Innovate Ed - Fostering Innovation Through Project Expos" event, organized by IEEE Signal Processing Society Bombay Section in collaboration with IEEE Education Society YP Ad Hoc Committee and sponsored by IEEE Try Engineering Pre-University and STEM Grant Portal, proved to be a grand success. Held on May 2, 2024, at the Symbiosis Institute of Technology in Pune, the event showcased the innovative prowess of young minds. Approximately 40 projects were presented by enthusiastic participants, each demonstrating ingenuity and creativity in addressing various challenges in the realm of education and technology. From novel teaching methods to innovative learning tools, the projects reflected a diverse range of ideas aimed at enhancing the educational landscape. The event provided a platform for participants to share their work, exchange ideas, and network with peers and professionals, fostering a culture of innovation and collaboration. Overall, "Innovate Ed" emerged as a testament to the transformative potential of education-focused initiatives and the power of collaboration in driving innovation forward.

Event 4: CONNECTXPERIENCE

Date: 3rd May 2024

Venue: Dhruv Global School

Participants: 50 Students

On May 3rd, 2024, the IEEE EDSOC YP ADHOC COMMITTEE successfully organized "ConnectXperience - The Journey into the IoT World" at Dhruv Global School, Pune. Uthej, Sujatha Gupta, and Mvv Prasad delivered engaging talks, introducing over 50 students to the fascinating realm of the Internet of Things (IoT). The workshop covered fundamental IoT concepts, explored various sensor types, and provided hands-on experience with Arduino Uno, LED's and soil moisture sensors, sparking curiosity and igniting a passion for this rapidly evolving technology. This event, sponsored by the IEEE Tryengineering and Stem Grant Portal, served as a valuable platform for young minds to delve into the world of IoT and gain practical insights into its potential.

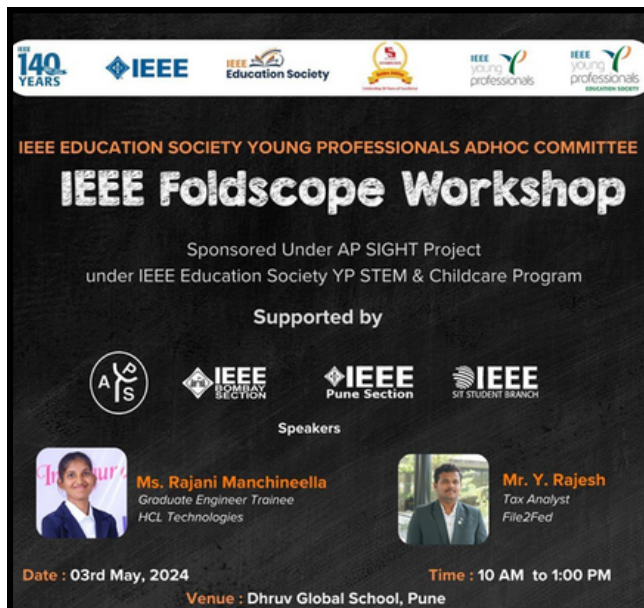


EVENT 5: Foldscope Workshop

Date: 3rd May 2024

Venue: Dhruv Global School

Participants: 250 Students



The Foldscope workshop, meticulously organized by the IEEE Education Society Young Professionals Ad-Hoc Committee and generously supported by the AP-S Sight Project and the IEEE Education Society STEM and Child Care Program, was conducted for 7th and 8th graders. Boasting an impressive turnout of over 250 eager young minds, the event served as an immersive platform for hands-on learning and scientific exploration. Esteemed speakers, Ms. Rajani Manchineella and Mr. Rajesh, graced the occasion with their expertise, enlightening participants with invaluable insights into the world of microscopy. Held on May 3rd, 2024, at Dhruv Global School, Pune, the workshop left an indelible mark on the educational landscape, offering students a unique opportunity to engage with Foldscope technology and expand their scientific horizons. The seamless execution and success of the event were made possible by the dedicated efforts of volunteers Parthav, Puneet, Deepak, and Raj Paul, whose contributions ensured a smooth and enriching experience for all involved.

EVENT 6: INNOVATE ED

Date: 3rd May 2024

Venue: Dhruv School

Participants :70 Students



On May 3rd, 2024, a collaborative effort by the IEEE Signal Processing Society Bombay Section and the IEEE Education Society YP Adhoc Committee brought forth "Innovate Ed - Fostering Innovation Through Project Expos" at Dhruv Global School, Pune. This event, sponsored by IEEE Try Engineering Pre-University and Stem Grant Portal, served as a grand platform for fostering innovation among young minds. Around 40 projects were presented by enthusiastic participants, showcasing their creativity and problem-solving abilities. The event's success in igniting a passion for innovation and entrepreneurship makes it a valuable experience for all involved.

MEETING

IEEE EDSOC YP AD HOC Committee OpCom Meeting:

The IEEE Education Society Young Professionals AdHoc Committee convened its OpCom meeting on May 4, 2024, to discuss a wide range of critical topics. The meeting began with the approval of the January meeting minutes, incorporating necessary edits from the Membership Activities Vice Chair. A key focus was on strategies to grow the IEEE Education Society membership and the initiation of new student and section chapters, reflecting the committee's dedication to expanding its reach and influence.

The committee then reviewed the success of events held earlier in the year and planned upcoming activities, with the Chair extending heartfelt thanks to the volunteers and teams for their contributions. The Treasurer provided a detailed financial report and outlined the budget for an upcoming symposium, ensuring financial transparency and planning.



In terms of funding proposals, there was an in-depth discussion on the IEEE STEP guidelines, highlighting the need for global visibility and outreach beyond India. The committee also explored collaborative opportunities for a proposed hackathon event, aiming to leverage existing plans to enhance its impact. Specific funding proposals were put forward, including a request for an additional \$300 for a drone workshop at Pondicherry University and an additional \$400 for a hybrid hackathon focusing on UN Sustainable Development Goals, which already had \$400 allocated.

Additionally, the committee proposed a \$3,000 annual fund to support 3-5 technology projects addressing societal challenges through a rigorous selection process. Organizational matters were also addressed, with discussions on forming standing committees for 2024 and 2025, appointing positions, and establishing various committees for the upcoming congress, including program, technical, and organizational teams.

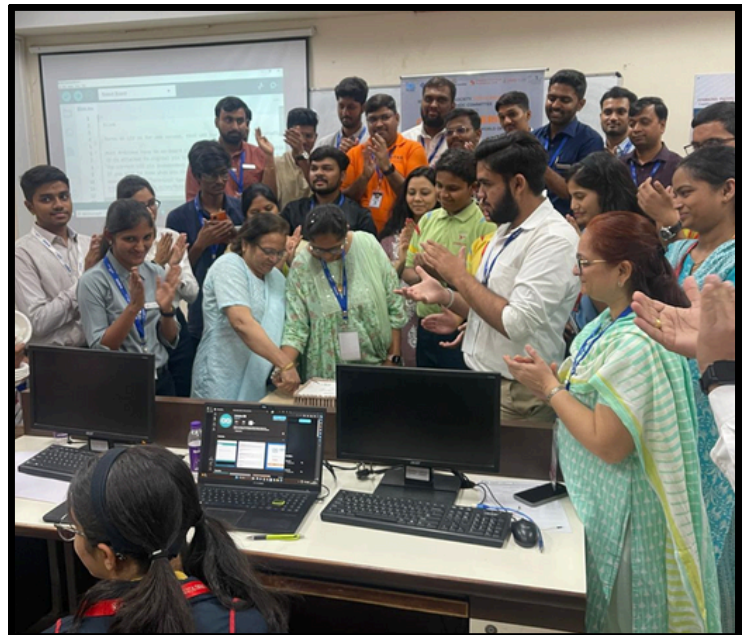
The committee reviewed progress on creating video content for YouTube and social media, aiming to enhance the society's online presence and engagement. They also discussed funding requests and approvals from the National Information Center (NIC) for future activities. The meeting concluded with addressing rumors, emphasizing the need for transparency, and requesting support from committee members. This comprehensive discussion underscored the committee's commitment to growth, effective governance, and proactive communication, ensuring the continued success and impact of the IEEE Education Society.



CELEBRATIONS:

ANTENNAS AND PROPAGATION SOCIETY

The IEEE Education Society YP Ad Hoc committee orchestrated a jubilant celebration in honor of the Antennas and Propagation Society's 75th Anniversary, held as a pivotal component of the IEEE Education Society Symposium 2024 at Symbiosis Institute of Technology, Pune on May 2nd, 2024. The event was a harmonious blend of homage to the society's rich legacy and a forward-looking exploration of the future of antenna technology and propagation. Through engaging presentations, interactive sessions, and networking opportunities, participants delved into the evolution of antennas, celebrated milestones, and discussed cutting-edge advancements shaping the field. The celebration not only served as a platform to reminisce on past achievements but also fostered collaboration and inspiration for the innovative strides to come in the realm of antennas and propagation.



CIRCUITS AND SYSTEMS SOCIETY

Description:

The IEEE Education Society YP Ad Hoc committee orchestrated a vibrant celebration commemorating the 75th Anniversary of the IEEE Circuits and Systems (CAS) Society, seamlessly integrated into the IEEE Education Society Symposium 2024 at Symbiosis Institute of Technology, Pune on May 3rd, 2024. This milestone event brought together esteemed scholars, industry experts, and enthusiasts to reflect on the illustrious history and profound contributions of the CAS Society to the field of circuits and systems. Attendees were treated to a rich tapestry of keynote addresses, panel discussions, and technical sessions, offering insights into the evolution of circuit design, signal processing, and system integration. Moreover, the celebration provided a fertile ground for fostering collaborations, sharing insights, and igniting enthusiasm for future breakthroughs in the dynamic domain of circuits and systems.



BUILD- A- THON

Date: 3rd may 2024

Venue: SIT,Pune

Participants : 150

IEEE Education Society Symposium Hackathon Success!

On May 3rd, 2024, as part of the IEEE Education Society Symposium, a thrilling build-a-thon, essentially a hackathon, kicked off! This exciting event attracted a total of 120 enthusiastic students eager to put their skills to the test.

The hackathon cleverly built upon the workshops offered at the symposium. Speakers from these workshops presented a total of 5 challenging problem statements, providing a springboard for the student teams. The competition kicked off at 11:00 AM and continued until 3:30 PM, with teams collaborating intensely to solve their chosen problem statements.

The culmination of the build-a-thon was a resounding success for the entire symposium! Three teams emerged victorious, having cracked the problem statements presented by their respective workshop speakers. This engaging event provided a fantastic platform for students to showcase their talents, collaborate, and gain valuable hands-on experience – a true highlight of the symposium!

IEEE Education Society Young Professionals
AD HOC COMMITTEE
PRESENTS
IEEE Education Society
SYMPOSIUM

BUILD-A-THON

DATE: 3RD MAY 2024
TIME: 11:00AM-3:30PM

VENUE: SYMBIOSIS INSTITUTE OF TECHNOLOGY,
PUNE

IEEE Education Society | [ieee-edusociety.org](https://www.ieee-edusociety.org)



CLOSING CEREMONY

The closing ceremony, which commenced with the unveiling of the Executive Committee (ExCom) of IEEE SIT Pune. The ExCom members were carefully selected through interviews conducted with IEEE members of SIT Pune, ensuring representation and leadership from diverse backgrounds.

The announcement of the ExCom members was met with applause and excitement, as the newly appointed leaders prepared to embark on their journey of guiding and serving the IEEE community at SIT Pune.

During the closing ceremony, where the much-anticipated hackathon winners were finally declared. Three outstanding teams, each having tackled and solved the problem statements presented by their workshop speakers, were lauded for their exceptional efforts and innovative solutions. Appreciation was showered upon all participants for their enthusiasm and dedication throughout the competition, solidifying the hackathon as a resounding success for the entire IEEE Education Society Symposium.



Following this, M. Sai Prashanth, Chair of the IEEE EdSoc YP ad-hoc committee, delivered a comprehensive summary of the symposium, highlighting key insights, achievements, and takeaways from the three-day event. The summary provided attendees with a holistic understanding of the symposium's objectives and outcomes.

Finally, the Director of SIT Pune, Mr. Ketan Kotecha, addressed the audience, expressing his gratitude for the successful organization of the symposium and commending the efforts of all participants, organizers, and volunteers. His words of encouragement and appreciation resonated with everyone present, marking the official conclusion of the symposium on a high note of positivity and accomplishment.

In conclusion, the third day of the Symposium at Symbiosis Institute of Technology (SIT) Pune was a culmination of learning, excitement, and celebration. From the intense coding sessions of the Hackathon to the adrenaline-pumping Superbike Show and the reflective moments of the closing ceremony, the day encapsulated the spirit of innovation, collaboration, and community engagement. As participants departed with newfound knowledge, experiences, and memories, the symposium left an indelible mark on all those involved, inspiring them to continue their journey of exploration and discovery in the field of technology and beyond.



EDUMENTOR



Date: 9th May, 2024

Venue: Kos International Convention Centre, Kos, Greece

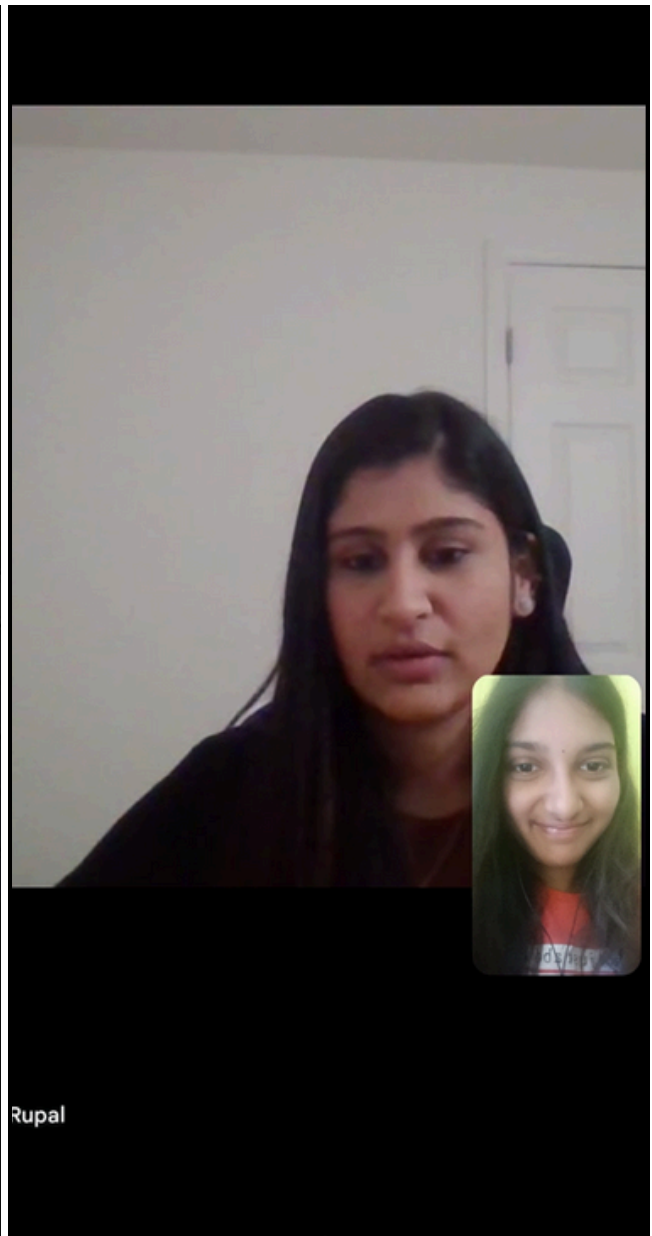
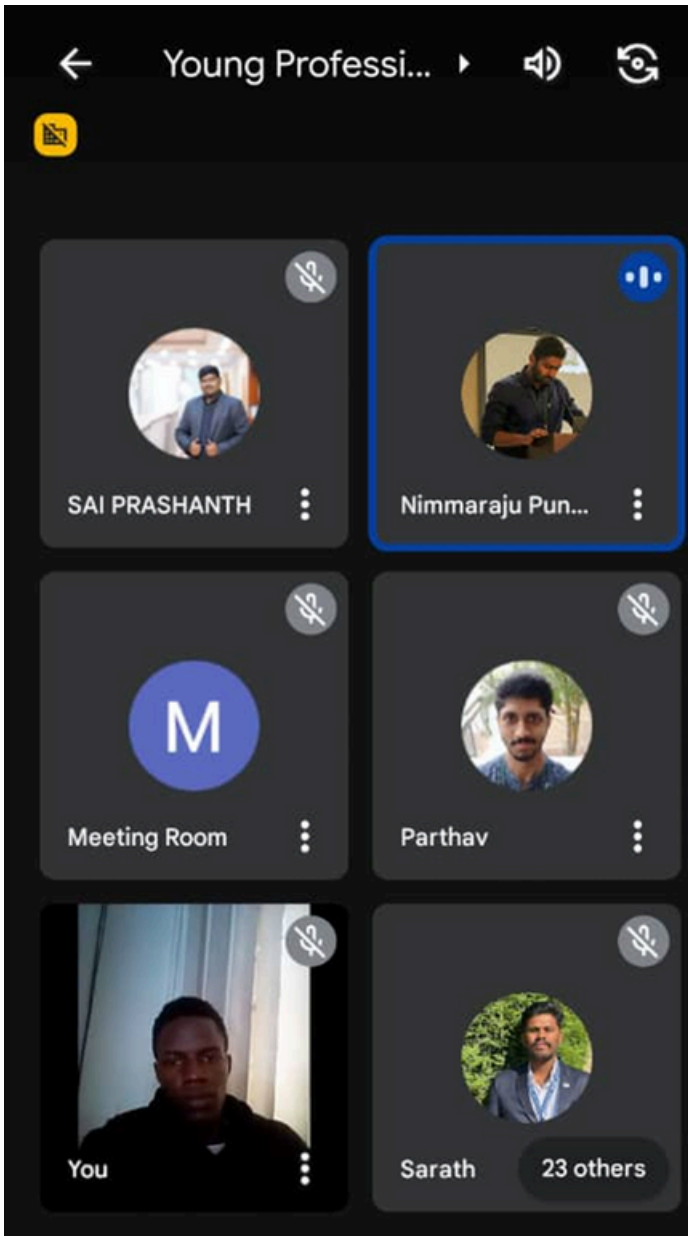
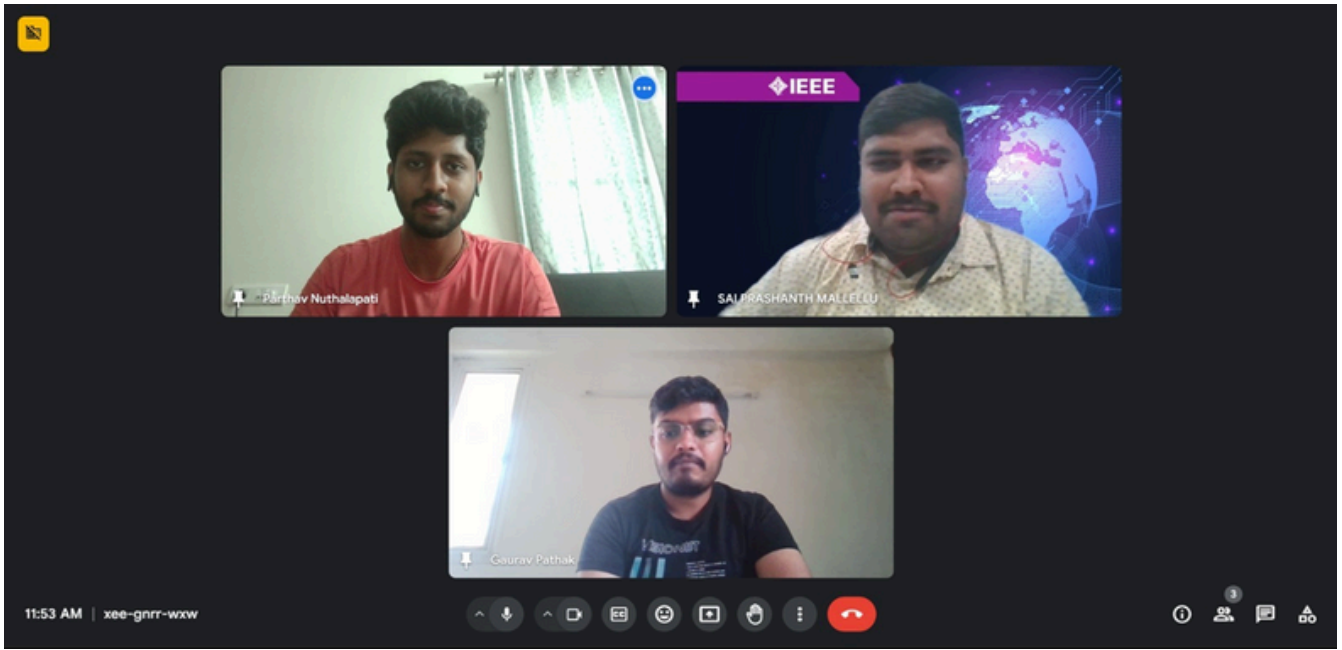
The Edumentor program, presented by the IEEE Education Society Young Professionals Adhoc Committee at IEEE Educon2024 in Greece, marked a significant milestone in fostering mentorship within the IEEE community. Held in a hybrid format at the Kos International Convention Centre, the event drew 86 participants, including 43 pairs of mentors and mentees.

Throughout the program, mentors and mentees engaged deeply, sharing their experiences and insights. This interaction not only facilitated personal and professional growth but also contributed to the collaborative spirit that IEEE champions. Participants reported highly positive feedback, highlighting the effectiveness of mentorship in advancing their projects and careers.

The success of the Edumentor program underscores the importance of structured mentorship in nurturing talent and fostering innovation within IEEE. By bridging the gap between seasoned professionals and emerging leaders, initiatives like Edumentor play a crucial role in shaping the future of technology and education. The enthusiastic response from participants underscores its value in empowering individuals to achieve their full potential.

Overall, the Edumentor program at IEEE Educon2024 stands as a testament to IEEE's commitment to excellence in education and professional development. It not only provided a platform for learning and growth but also strengthened the community bonds that are essential for sustained progress in the field of technology and beyond.





REPORT ON TEAM INDUSTRIAL VISIT & LOCAL TOUR

DATE: MAY 5TH 2024

PARTICIPANTS: IEEE TEAM MEMBERS AND STUDENTS FROM SIT, PUNE

The industrial visit to Mapro Gardens and the subsequent local tour to Panchgani Hills were organized by IEEE [mention your IEEE branch or chapter] to provide participants with insights into the agricultural and food processing industry as well as to foster team bonding and recreational activities amidst the scenic beauty of Panchgani Hills.

INDUSTRIAL VISIT TO MAPRO GARDENS:

The objective of the industrial visit was to familiarize participants with the operations of Mapro Gardens, a renowned fruit processing and tourism destination in Panchgani, Maharashtra.

HIGHLIGHTS:

- 1. Introduction to Mapro Gardens:** The visit began with an introduction to Mapro Gardens, highlighting its history, mission, and products. Participants learned about Mapro's journey from a local fruit processing unit to a prominent brand known for its fruit-based products and tourism appeal.
- 2. Guided Tour:** A guided tour of Mapro Gardens' facilities provided participants with firsthand experience of the fruit processing stages, including sorting, cleaning, processing, and packaging. This practical exposure enabled participants to understand the complexities and innovations in the food processing industry.
- 3. Product Showcase and Tasting:** Participants had the opportunity to explore a wide range of Mapro products, including jams, preserves, squashes, and chocolates. They sampled various products and learned about the ingredients, production techniques, and quality standards maintained by Mapro.

4. **Interactive Sessions:** Industry experts and Mapro representatives conducted interactive sessions to discuss topics such as agricultural practices, food safety regulations, market strategies, and sustainability initiatives. Participants engaged in insightful discussions and gained valuable industry insights.

5. **Feedback and Conclusion:** The visit concluded with a feedback session where participants shared their observations, learnings, and feedback. Overall, the industrial visit to Mapro Gardens provided a comprehensive understanding of the agricultural and food processing industry, inspiring participants with new ideas and perspectives.

LOCAL TOUR TO PANCHGANI HILLS:

Following the industrial visit, the IEEE team and students embarked on a local tour to Panchgani Hills to unwind, explore local attractions, and engage in team-building activities.

HIGHLIGHTS:

1. **Scenic Beauty:** Panchgani Hills, known for its lush greenery, pleasant climate, and panoramic views, served as a perfect backdrop for relaxation and exploration.

2. **Exploration of Local Attractions:** Participants visited popular tourist spots such as Table Land, Sydney Point, Parsi Point, and local markets. These visits allowed them to appreciate the natural beauty and cultural heritage of the region.

3. **Team-Building Activities:** Various team-building activities, games, and challenges were organized during the tour to promote camaraderie, collaboration, and mutual understanding among IEEE team members and students.

4. **Leisure Time and Local Cuisine:** Participants enjoyed leisure time to indulge in local cuisine, shop for souvenirs, and interact informally with each other. The relaxed atmosphere fostered friendships and strengthened bonds within the IEEE community.

In Conclusion the IEEE team and students' industrial visit to Mapro Gardens and local tour to Panchgani Hills were successful in achieving their objectives of educational enrichment, industry exposure, team bonding, and recreation. The experiences gained during the visits contributed significantly to the personal and professional growth of all participants, leaving them with lasting memories and valuable insights into both the agricultural industry and the beauty of Panchgani Hills.



INNOVATE ED - FOSTERING INNOVATION THROUGH PROJECT EXPOS



Date: 28th February 2024

Venue: Venkata Saraswati English Medium High School, Yeruru, Andhra Pradesh .

Participants: 60 Students.

The Innovate Ed program held on 28th February 2024 at Venkata Saraswati English Medium High School in Yeruru, Andhra Pradesh, was a resounding success, attracting over 60 enthusiastic students eager to explore the realms of science, technology, engineering, and mathematics (STEM). Organized by the IEEE Signal Processing Society Bombay Section in collaboration with the IEEE Edsoc YP Adhoc Committee and generously sponsored by the IEEE Pre-University STEM Portal Grant & IEEE TRYEngineering, the event aimed to inspire innovation and technological literacy among young minds. Throughout the day, students engaged in a variety of workshops, hands-on experiments, and interactive sessions led by experts from the IEEE community and industry professionals. These activities sparked lively discussions and showcased the students' creativity, critical thinking, and problem-solving skills.

The program's highlights included innovation challenges where students applied their STEM knowledge to solve real-world problems, fostering teamwork and ingenuity. The positive feedback from participants and educators underscored the importance of initiatives like Innovate Ed in promoting STEM education and nurturing a new generation of innovators. Moving forward, it is crucial to build on the momentum generated by the event and continue supporting initiatives that empower students to unleash their full potential in STEM fields, thus contributing to a brighter future filled with technological advancements and innovation.





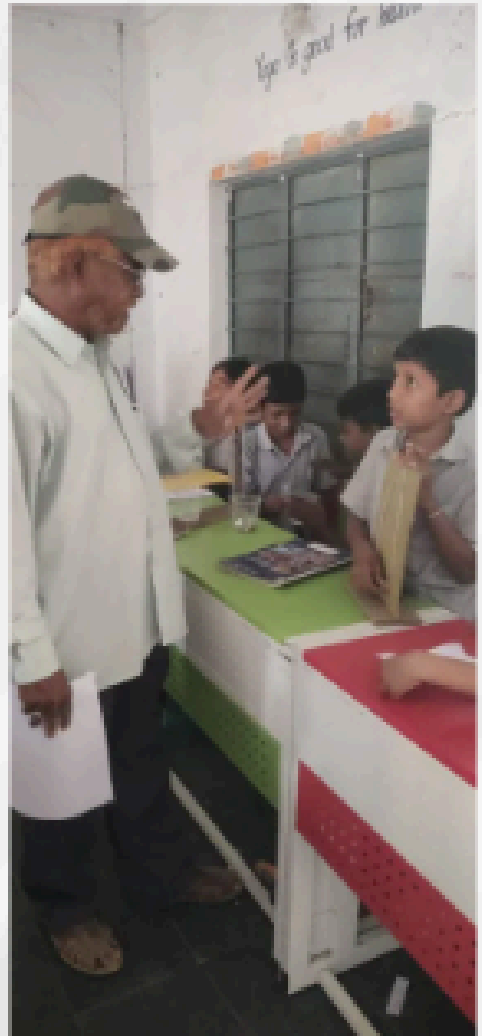
Date: 5th March 2024

Venue: Mandal Parishad Upper Primary School, Anantapur, Andhra Pradesh

Participants: 80 Students

Over 80 students in Andhra Pradesh's Mandal Parishad Upper Primary School participated in the exciting Innovate Ed program held on March 5th. This STEM (Science, Technology, Engineering, and Mathematics) focused event, organized by the IEEE Signal Processing Society Bombay Section and sponsored by IEEE grants, aimed to ignite students' passion for innovation and technological know-how. The day was filled with interactive workshops, experiments, and discussions led by experts, sparking creativity, critical thinking, and problem-solving skills among the students.

A key element of the program was innovation challenges, where students tackled real-world problems using their STEM knowledge, encouraging teamwork and ingenuity. The enthusiastic participation and positive feedback from both students and educators highlighted the significance of programs like Innovate Ed in fostering STEM education and building a future generation of innovators. With the momentum gained from this event, it's vital to keep supporting similar initiatives that empower students to reach their full potential in STEM fields, paving the way for a future driven by technological advancements and innovation.





Date: 27th March 2024

Venue: G.Pullaiah College of Engineering, Kurnool, Andhra Pradesh

Participants: 100 Students

The Innovate Ed program held on 27 th March at G.Pullaiah College of Engineering, Kurnool in Andhra Pradesh drew the participation of over 100 students, marking a vibrant celebration of STEM education. Organized by the IEEE Signal Processing Society Bombay Section and generously sponsored by IEEE grants, the event aimed to kindle students' enthusiasm for innovation and technological prowess. Throughout the day, students immersed themselves in a dynamic array of interactive workshops, experiments, and discussions led by seasoned experts, fostering the development of creativity, critical thinking, and problem-solving abilities.

Central to the program were the innovation challenges, where students applied their STEM knowledge to address real-world problems, fostering collaborative teamwork and showcasing their ingenuity. The overwhelming engagement and positive feedback from both students and educators underscored the pivotal role of initiatives like Innovate Ed in nurturing STEM education and cultivating a generation of forward-thinking innovators. Sustaining the momentum generated by this event is imperative, emphasizing the ongoing need to champion similar initiatives that empower students to excel in STEM fields. This collective effort will





Date: 13th April 2024

Venue: Suchitra Academy International School, Suchitra Junction, Qutubullapur Mandal, Hyderabad, Telangana, India

Participants: 50 Students

The inaugural event of "Innovate Ed - Fostering Innovation Through Project Expos" held at Suchitra Academy International School on April 13, 2024, was a resounding success. Sponsored by the esteemed IEEE Pre-university STEM Portal Grant and IEEE TRY ENGINEERING, this event was a testament to the collaborative efforts of the IEEE SIGNAL PROCESSING SOCIETY BOMBAY SECTION CHAPTER and IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS AD HOC COMMITTEE.

A total of 50 innovative projects were presented by the brilliant students of Suchithra Academy International School, showcasing their ingenuity and problem-solving skills. The event commenced at 10:00 AM with an air of anticipation and excitement.

The projects spanned a wide array of fields, including robotics, renewable energy, artificial intelligence, and environmental sustainability. Each project was a testament to the students' dedication, creativity, and passion for innovation. From advanced machine learning algorithms to eco-friendly solutions for waste management, the diversity of ideas on display was truly inspiring.



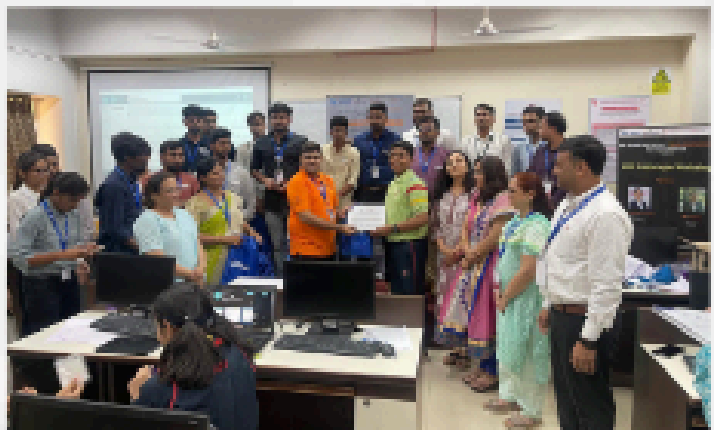
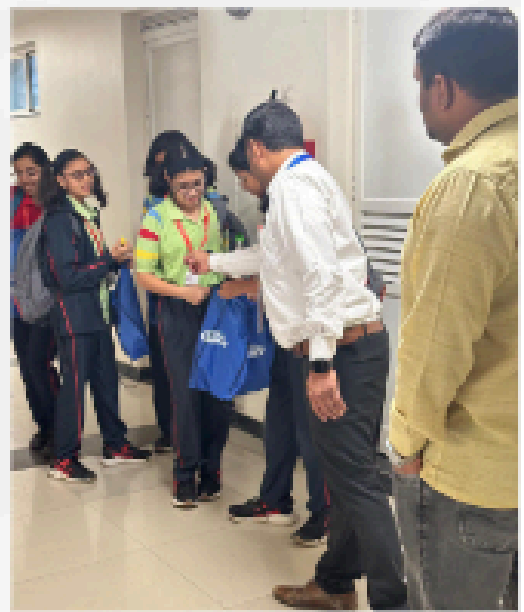


Date: 02nd May 2024

Venue: Symbiosis Institute of Technology, Pune

Participants: 40 Students

The "Innovate Ed - Fostering Innovation Through Project Expos" event, organized by IEEE Signal Processing Society Bombay Section in collaboration with IEEE Education Society YP Ad Hoc Committee and sponsored by IEEE Try Engineering Pre-University and STEM Grant Portal, proved to be a grand success. Held on May 2, 2024, at the Symbiosis Institute of Technology in Pune, the event showcased the innovative prowess of young minds. Approximately 40 projects were presented by enthusiastic participants, each demonstrating ingenuity and creativity in addressing various challenges in the realm of education and technology. From novel teaching methods to innovative learning tools, the projects reflected a diverse range of ideas aimed at enhancing the educational landscape. The event provided a platform for participants to share their work, exchange ideas, and network with peers and professionals, fostering a culture of innovation and collaboration. Overall, "Innovate Ed" emerged as a testament to the transformative potential of education-focused initiatives and the power of collaboration in driving innovation forward.



Date: 08th June 2024

Venue: ZPHS School, Shamshabad, Hyderabad

Participants: 40 Students

On June 8th, 2024, the collaborative efforts of the IEEE Signal Processing Society Bombay Section and the IEEE Education Society YP Adhoc Committee culminated in a remarkable event titled "Innovate Ed - Fostering Innovation Through Project Expos held at ZPHS School in Shamshabad, Hyderabad.



"Sponsored by the IEEE Try Engineering Pre-University and STEM Grant Portal, this event stood as a beacon for nurturing innovation among the youth.

Enthusiastic participants seized the opportunity to showcase their ingenuity through approximately 40 projects, each a testament to their creativity and problem-solving prowess. The atmosphere was electric with the energy of young minds eager to demonstrate their technological solutions and entrepreneurial spirit.

The success of "Innovate Ed" extended beyond mere presentation. It served as a catalyst, igniting a passion for innovation and entrepreneurship among all participants. The event not only provided a platform for these young innovators to exhibit their ideas but also fostered a collaborative spirit and a sense of community among attendees.

The impact of such initiatives goes far beyond the event itself, influencing future generations of technologists and innovators. By encouraging creativity and critical thinking at a young age, "Innovate Ed" contributes significantly to the development of skills essential for tackling real-world challenges.

In conclusion, "Innovate Ed - Fostering Innovation Through Project Expos" at ZPHS School, Shamshabad, Hyderabad, was not just a showcase of projects but a transformative experience.





Date: 20th May 2024

Venue: Atal Tinkering Lab (ATL) at Zilla Parishad High School, Sankarabharathipuram, Narasaraopet, Andhra Pradesh

Participants: 75 Students

On May 20th, 2024, Atal Tinkering Lab (ATL) at Zilla Parishad High School, Sankarabharathipuram, Narasaraopet, buzzed with excitement during the "Connectxperience - The Journey into the World of IoT" event. Organized by the IEEE Education Society YP Adhoc Committee in collaboration with the IEEE Narasaraopet Engineering College Student Branch, and generously sponsored by IEEE Try Engineering and STEM Portal, the event was a remarkable opportunity for 75 students to delve into the fascinating realm of Internet of Things (IoT). Speakers passionately shared insights into the history of IoT, discussing the pivotal roles of sensors and actuators in modern technological advancements.

The event wasn't just about theoretical learning; it featured hands-on experiences that allowed students to apply their newfound knowledge in practical scenarios. This interactive approach not only deepened their understanding of IoT concepts but also ignited their curiosity and enthusiasm. The students actively engaged with the speakers, asking questions and eagerly participating in the activities, indicating their keen interest and enjoyment throughout the session. Overall, the "Connectxperience" event at ATL was a resounding success, leaving a lasting impact on participants by bridging the gap between classroom learning and real-world application in the dynamic field of IoT.

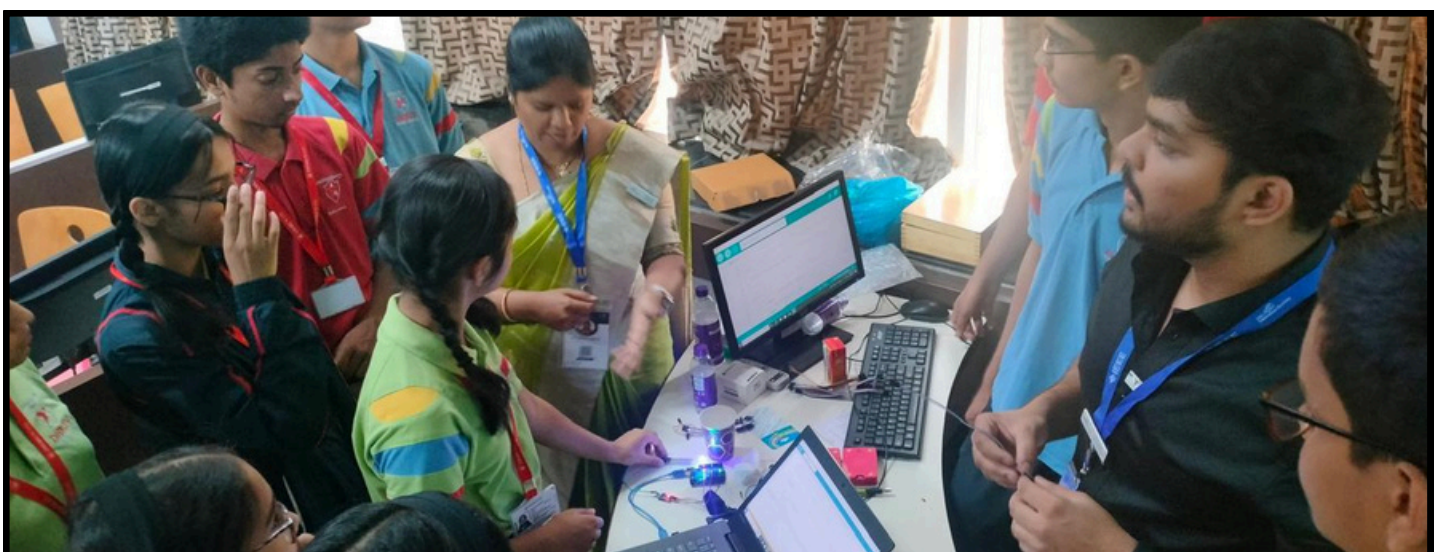


Date: 03rd May 2024

Venue: Dhruv Global School, Lavale, Pune

Participants: 50 Students

On May 3rd, 2024, the IEEE EDSOC YP ADHOC COMMITTEE successfully organized "ConnectXperience - The Journey into the IoT World" at Dhruv Global School, Pune. Uthej, Sujatha Gupta, and Mvv Prasad delivered engaging talks, introducing over 50 students to the fascinating realm of the Internet of Things (IoT). The workshop covered fundamental IoT concepts, explored various sensor types, and provided hands-on experience with Arduino Uno, LED's and soil moisture sensors, sparking curiosity and igniting a passion for this rapidly evolving technology. This event, sponsored by the IEEE Tryengineering and Stem Grant Portal, served as a valuable platform for young minds to delve into the world of IoT and gain practical insights into its potential.





Date: 20th June 2024

Venue: Vardhaman College of Engineering, Shamshabad, Hyderabad

Participants: 75 Students

On June 20, 2024, Vardhaman College of Engineering, Hyderabad buzzed with excitement as the IEEE Education Society's YP Adhoc team organized a one-day workshop on IoT using AR & VR. This event, titled "Connectxperience - A Journey towards a World of IoT," aimed to immerse students in the transformative technologies of Augmented Reality (AR) and Virtual Reality (VR). Sponsored by IEEE Try Engineering and STEM Portal, the workshop attracted a total of 75 enthusiastic students from various disciplines within the college. The atmosphere was electric, reflecting the participants' keen interest in exploring the cutting-edge applications of IoT in conjunction with AR and VR technologies.

Throughout the day, students engaged in hands-on sessions and interactive discussions, delving deep into the practical aspects of IoT deployment through AR and VR.

The workshop fostered an environment where curiosity flourished, and participants actively exchanged ideas and insights. Their passion for technology was palpable, as they embraced the opportunity to learn from industry experts and experienced mentors present at the event. By the end of the workshop, attendees not only gained theoretical knowledge but also developed practical skills essential for the evolving landscape of IoT. The event concluded on a high note, leaving a lasting impression on all those who attended, paving the way for future innovation and exploration in the field of IoT.



Date: 2nd May 2024

Venue: Bajaj Best Engineering Skill Center

Participants: 20 Students

On May 2nd, 2024, we organized an enriching industrial visit for our school students at the Bajaj Best Engineering Skill Center in Pune, and it proved to be an unforgettable experience. As soon as we arrived, we were greeted warmly by the staff who guided us through the state-of-the-art facilities.

The students were immediately captivated by the advanced machinery and technology on display, which showcased the cutting-edge practices in manufacturing and skill development.

Throughout the visit, the students had the opportunity to witness firsthand the practical application of theoretical knowledge they had learned in classrooms. They were able to interact with industry professionals who generously shared their expertise and experiences. This interaction not only broadened their understanding of industrial processes but also inspired them to consider future career paths in fields such as engineering and technology.

Moreover, the visit wasn't just about machines; it was a holistic experience that emphasized the importance of innovation, skill development, and teamwork in a professional setting. The students participated eagerly in workshops and demonstrations, gaining insights that will undoubtedly shape their academic and professional journeys. Overall, the industrial visit to Bajaj Best Engineering Skill Center was a resounding success, leaving a lasting impression on our students and reinforcing the practical relevance of their education.





Date: Monday, February 26th, 2024

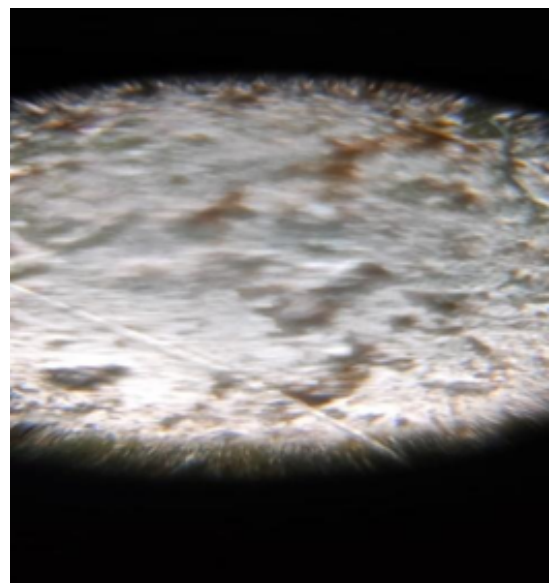
Venue: Balabharathi English Medium High School

Participants: 60 Students from 6th&7th Grades

Organizers: IEEE Education Society Young Professionals, Balabharathi English Medium High School, under the AP-Sight Project

The IEEE Foldscope Workshop witnessed a buzzing classroom of 50 excited 6th&7th graders eager to explore the microscopic world. The session commenced with Mr. Y Rajesh, a Tax Analyst at File2fed, introducing the wonders of the Foldscope. He compared it to a traditional microscope, highlighting its portability and affordability. This immediately piqued the students' curiosity, paving the way for an engaging interaction and led the students through the hands-on construction of their own Foldscopes. 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 Foldscopes 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 6th&7th graders.





Date: Tuesday, February 27th, 2024

Venue: Rays English Medium High School

Participants: 65 Students from 8th & 9th Class

Organizers: IEEE Education Society Young Professionals, Rays English Medium High School, under the AP-Sight Project

The IEEE Foldscope Workshop witnessed a buzzing classroom of 65 excited 8th&9th graders eager to explore the microscopic world. The session commenced with Mr. Y Rajesh, a Tax Analyst at File2fed, introducing the wonders of the Foldscope. He compared it to a traditional microscope, highlighting its portability and affordability. This immediately piqued the students' curiosity, paving the way for an engaging interaction and led the students through the hands-on construction of their own Foldscopes. 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 Foldscopes took shape.

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Overall, the IEEE Foldscope Workshop was a resounding success, igniting a passion for science and exploration in the young minds of 8th&9th graders.





Date: Wednesday, February 28th, 2024

Venue: Venkata Saraswathi English Medium School

Participants: 58 Students from 8th & 9th Grades

Organizers: IEEE Education Society Young Professionals, Venkata Saraswathi English Medium School, under the AP-Sight Project

The IEEE Foldscope Workshop witnessed a buzzing classroom of 58 excited 8th & 9th graders eager to explore the microscopic world. The session commenced with Mr. Y Rajesh, a Tax Analyst at File2fed, introducing the wonders of the Foldscope. He compared it to a traditional microscope, highlighting its portability and affordability. This immediately piqued the students' curiosity, paving the way for an engaging interaction and led the students through the hands-on construction of their own Foldscopes. 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 Foldscopes took shape.

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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 8th & 9th graders.





Date: Thursday, February 29th, 2024

Venue: Venkata Saraswathi English Medium School

Participants: 38 Students from 6th & 7th Grades

Organizers: IEEE Education Society Young Professionals, Venkata Saraswathi English Medium School, under the AP-Sight Project

The IEEE Foldscope Workshop witnessed a buzzing classroom of 38 excited 6th & 7th graders eager to explore the microscopic world. The session commenced with Mr. Y Rajesh, a Tax Analyst at File2fed, introducing the wonders of the Foldscope. He compared it to a traditional microscope, highlighting its portability and affordability. This immediately piqued the students' curiosity, paving the way for an engaging interaction and led the students through the hands-on construction of their own Foldscopes. 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 Foldscopes took shape.

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Overall, the IEEE Foldscope Workshop was a resounding success, igniting a passion for science and exploration in the young minds of 6th & 7th graders.





Date: 6th March,2024

Venue : Nirmala Matha Convent School, Palakkad

Participants: 30 Students

Organizers: IEEE Education Society, Young Professionals ADHOC Committee in collaboration with IEEE SB NSSCE

The IEEE Education Society Young Professionals ADHOC Committee, in collaboration with IEEE SB NSSCE, organized a Foldscope workshop under the AP-S Sight Project and the IEEE Education Society STEM and Child Care Program at Nirmala Matha Convent School, Palakkad, Kerala, on March 6, 2024, from 10:00

AM to 1:00 PM. Sponsored by IEEE Antennas and Propagation Society, IEEE Bombay Section, IEEE Pune Section, and IEEE SIT Pune (STB13901), the workshop targeted school students below the 10th standard, aiming to introduce them to microscopy through hands-on activities and engaging demonstrations led by speakers Ms. Gayathri Ramesh, Electronics and Communication Engineering Student, and Ms. Artha Mohan, Electrical and Electronics Engineering Student. Participants learned how to assemble and use Foldscopes, paper-based microscopes magnifying objects up to 140x, and explored basic microscopy principles, sample preparation, observation techniques, and applications in biology, environmental science, and material science. The event received positive feedback from students, expressing appreciation for the engaging activities and newfound understanding of microscopy concepts, highlighting its value in fostering curiosity, enhancing critical thinking skills, and inspiring interest in STEM disciplines.



Date: Thursday, March 7th, 2024

Venue: Zilla Parishad High School, Vakadu.

Participants: 35 Students from 6th & 7th Class

Organizers: IEEE Education Society Young Professionals, Zilla Parishad High School, Vakadu, under the AP-Sight Project

The IEEE Foldscope Workshop witnessed a buzzing classroom of 35 excited 6th & 7th graders eager to explore the microscopic world. The session commenced with Mr. Y Rajesh, a Tax Analyst at File2fed, introducing the wonders of the Foldscope. He compared it to a traditional microscope, highlighting its portability and affordability. This immediately piqued the students' curiosity, paving the way for an engaging interaction and led the students through the hands-on construction of their own Foldscopes. 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 Foldscopes 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 6th & 7th graders.





Date: Thursday, March 28th, 2024

Venue: Zilla Parishad High School, Paturu

Participants: 35 Students from 7th & 8th Class

Organizers: IEEE Education Society Young Professionals, Mandal Parishad High School, Paturu, under the AP-Sight Project

The IEEE Foldscope Workshop witnessed a buzzing classroom of 35 excited 7th & 8th graders eager to explore the microscopic world. The session commenced with Mr. Y Rajesh, a Tax Analyst at File2fed, introducing the wonders of the Foldscope. He compared it to a traditional microscope, highlighting its portability and affordability. This immediately piqued the students' curiosity, paving the way for an engaging interaction and led the students through the hands-on construction of their own Foldscopes. 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 Foldscopes took shape.

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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 & 8th graders



FOLDSCOPE WORKSHOP








IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS

IEEE Foldscope Workshop

Sponsored Under AP SIGHT Project
under IEEE Education Society YP STEM & Childcare Program



Speaker
Gaurav Pathak
*Society/Affinity Group Coordinator,
IEEE EdSoc YP Ad Hoc*



Date : 30th March, 2024
Time : 2:00 PM onwards
Venue : Dream Girl Foundation, Gurgaon, Haryana

Supported by







[ieeedusocyp](https://www.instagram.com/ieeedusocyp)

Date: 30th March 2024

Venue: Dream Girl Foundation, Gurgaon, Haryana.

Participants: 30 Students from 7th & 8th Class

On March 30, 2024, the IEEE Education Society YP Ad Hoc Committee, in collaboration with the Dream Girl Foundation, orchestrated a captivating Foldscope workshop aimed at kindling scientific curiosity among budding young minds. Held at the Dream Girl Foundation in Gurugram, Haryana, the workshop spanned two engaging hours from 2 PM to 4 PM IST, leaving an indelible impression on all participants.

Gaurav Pathak, the proficient workshop instructor, commenced the session by introducing Foldscope, an innovative and affordable paper microscope designed to democratize access to scientific exploration. With enthusiasm and expertise, he guided approximately 30 students through the assembly process of their very own Foldscopes. This hands-on approach not only familiarized the participants with the technical intricacies of the device but also instilled a deeper appreciation for scientific inquiry.

The workshop buzzed with energy as students eagerly participated in constructing their Foldscopes. Each fold and assembly step was a testament to their growing understanding of microscopy and scientific tools. Gaurav Pathak's engaging presentation seamlessly blended technical insights with real-world applications, underscoring the relevance of scientific exploration in everyday life.

As the workshop concluded, students enthusiastically shared their experiences and newfound knowledge. Their reflections echoed a newfound curiosity and appreciation for science, sparked by the hands-on experience with Foldscope. The event not only inspired the participants but also left a lasting impact on their educational journey, fostering a desire to explore and innovate further.



The workshop's success was bolstered by the generous support of sponsors including the AP-Sight Project under IEEE Education Society's YP STEM & Child Care Program, IEEE Bombay Section, IEEE Antennas and Propagation Society, IEEE Pune Section, and IEEE SIT Student Branch. This collaborative effort underscored the commitment to nurturing scientific curiosity and educational excellence among youth.

The organizers extend heartfelt gratitude to all participants, sponsors, and supporters whose dedication ensured the workshop's resounding success. Their contributions have paved the way for future initiatives aimed at inspiring the next generation of scientists and innovators.

The Foldscope workshop at Dream Girl Foundation stands as a testament to the power of hands-on learning and community collaboration in fostering scientific curiosity. By igniting a passion for exploration and discovery, the workshop has empowered young minds to envision a future enriched by scientific knowledge and innovation. As we reflect on the event's impact, we are reminded of the profound influence of interactive educational experiences in shaping the leaders and innovators of tomorrow.

FIRESIDE CHAT & COFFEE TIME DIARIES WITH

DR.S.K RAMESH

Ph.D., FIEEE



Fireside Chat & Coffee Time Diaries featuring Dr. S.K Ramesh, Ph.D., FIEEE

2022-23 ABET President

2016-17 IEEE EAB Vice-President Educational Activities

Professor of ECE, and Director “SECURE for Student Success” Sfs² Program

California State University Northridge

Email: s.ramesh@ieee.org

In your experience with ABET and EAB, what are the biggest challenges and opportunities facing engineering education today?

One of the biggest challenges we face is the rapid pace of technological development. It continues to accelerate globally, impacting all disciplines, industries, and economies. Technology is developing at such rapid speeds that rules, laws, and policies are often left trying to catch up. Our current systems of education and workforce development need to adapt to prepare people for jobs that don't exist – a 360-degree ecosystem that engages all stakeholders – learners, employers, education, governments, and more. As technology advances in some societies but not in others, we could exacerbate the widening technology gap in access and equity.

Why is accreditation crucial for engineering programs, and how can institutions ensure they meet the highest standards?

Accreditation provides quality assurance in our professional disciplines. For instance, ABET Accreditation Criteria and Standards are developed by subject matter experts from over 35 professional member societies with input from industry and stakeholders. Criteria that encourage innovation and a set of knowledge, skills, and experiences professionals must possess to excel in their fields and enter the profession. Outcomes-based accreditation focuses on what students have learned rather than what is taught with processes in place to continuously improve the program. This provides quality assurance to the public who can be confident that graduates from ABET accredited programs meet the criteria to build a safer, cleaner, sustainable, and more inclusive world for all of us.

How can engineering education adapt effectively to integrate and prepare students for advancements in fields like AI, robotics, and biotechnology?

Technological expertise will be the currency of the next generation. Professionals working in STEM have an imperative role in creating the technologies to solve the problems that confront the world today and in the future. As AI continues to develop, jobs of the future will require greater collaboration between humans and computers. Engineers will need to continue to apply their skills to leverage these new technologies, plus develop new skills to work closely with machines. Social skills are critical and include tasks that require emotional intelligence rather than cognitive alone. Preparing graduates solely for traditional cognitive skills will not be enough for the future.

Beyond technical skills, what are some key areas where engineering programs can improve student outcomes, like communication, teamwork, and ethical considerations?

I think your question has already covered areas that are critical for success for every graduating engineer and STEM professional. Clearly, communications and teamwork are vital, and collaboration is just as important. Many of the global challenges we face, such as climate change, will require 'systems-thinking' professionals who can work collaboratively across cultures. Guided by the highest ethical standards, collaboration requires trust and transparency that can only happen when you have open and transparent communications. All voices are important, and we need to ensure equity and access so that everyone's voice is heard and included in the conversation.

How can engineering education address the evolving needs of a globalized workforce, preparing students for international collaboration and diverse work environments?

A current focus area for quality assurance agencies is the integration of sustainability and its many subtopics into the students' educational experience. The need for graduates with the knowledge, skills, and experiences in sustainable design practices along with exceptional fundamentals in the engineering sciences is becoming more critical to the development of tomorrow's engineering workforce. Future engineers will need to approach all problems with a focus on sustainability as a critical design consideration. A good way for educational programs to integrate this is by using the frameworks developed by Engineering for One Planet and the Lemelson Foundation (<https://engineeringforoneplanet.org/>). Multidisciplinary project-based learning, community-engaged projects such as IEEE Smart Village and EPICS in IEEE are some of the programs those educational institutions can consider in preparing future engineers.

What advice would you give to young engineers seeking guidance and aspiring to leadership roles in the field?

First and foremost, join a professional society such as IEEE so you become aware of the tremendous wealth of resources, programs, and services that are available to improve and enhance your learning in and out of the classroom. Engagement is important, and you will be pleasantly surprised with all the opportunities as you volunteer to serve your profession. For example, you learn to work with others, organize and deliver conferences and workshops, and support pre-university educational programs through outreach activities. And along the way, you get to network with a diverse group of individuals with rich experience who can serve as mentors and guide you on your professional journey. I can vouch for this from my own personal journey beginning as one of the founding members of our IEEE Student Branch over four decades ago. If you are interested, you can check out the story on my profile on the TryEngineering portal (<https://tryengineering.org>) as well as stories from others worldwide across our IEEE network.

How can institutions foster stronger connections with the engineering industry to ensure curriculum relevance and career preparedness for students?

I think most, if not all, institutions understand and recognize that the students who enter their programs today are the future graduates who will be responsible for creating and advancing the technologies that can solve our greatest challenges. Again, I want to reiterate collaboration and networking as important elements to engage industry to ensure that the curriculum is up to date. As a department chair over two decades ago, I built a department-level Industry Liaison Council (ILC) to connect recent graduates from our program to provide alumni perspectives from the industry so that faculty are aware of the tools, trends, and opportunities. As a dean, I led the college to create an Industry Advisory Board (IAB) to provide feedback and suggestions to the department chairs and program leads; while also serving as a source of support and philanthropy to support student scholarships, laboratories, design clinics, and research projects. We scaffolded the department-level ILCs to provide a pathway for members to move up to the IAB as their role in industry evolved to technical/corporate leadership. This infrastructure allowed for close interaction between industry professionals and students across our programs, helping them with career development workshops, job shadowing, Co-Op opportunities, and much more.

What steps can be taken to ensure engineering education is welcoming and promotes diversity in terms of gender, race, and background?

As I observed earlier, it will take systems thinking, and engineers and STEM professionals with diverse backgrounds and perspectives to effectively tackle the global challenges that confront us. Organizations and educational institutions are working hard to ensure they are inclusive and welcome everyone to contribute regardless of their background, language, or culture. Clearly, access and equity are very important to ensure inclusion. ABET has a standing Inclusion, Diversity, Equity, Accessibility (IDEA) Advisory Council that has developed definitions and a framework to guide programs and institutions to promote inclusivity, diversity, equity, and accessibility within ABET, its activities, its volunteer base, and its accredited programs. Meanwhile, ABET's four commissions have been working to incorporate principles of inclusion, diversity, and equity in their accreditation criteria. Presently, changes have been proposed to harmonize definitions across all Commissions to General Criterion 8 (Institutional Support) that address these important issues. These changes were approved in November 2023 and open for public review and comment for a 180-day period through June 15, 2024. We encourage anyone interested to view the proposed changes at <https://www.abet.org/accreditation/accreditation-criteria/accreditation-changes/> and provide comments and feedback.

With the rapid pace of technological change, how can engineers stay updated on advancements and maintain their professional development throughout their careers?

The pace of technological change will continue to accelerate as we are witnessing today with increasing multi- and interdisciplinary collaboration that cuts across disciplines to solve our greatest challenges, from health to energy to the environment, to name a few. Lifelong learning is expected for anyone in the STEM fields to ensure that they continue to grow and progress across their professional careers. Degree programs will continue to evolve to provide customizable education through traditional, online, and hybrid modalities. Standards will become increasingly important to ensure quality assurance as these programs evolve, providing flexible pathways for a wide range of audiences from students to working professionals.

In your view, how can the IEEE play a more significant role in supporting and shaping the future of engineering education globally?

IEEE plays a pivotal role when it comes to engineering education globally. Our strategic goals include being a trusted source of educational service and resources to support lifelong learning, enhance public understanding of engineering and technology, and provide opportunities for career and professional development. We have a vast array of educational programs and services that span the gamut from Pre-University Education to Continuing Education. During my tenure as VP-Educational Activities, I championed the IEEE Learning Network (ILN) in collaboration with multiple OUs across IEEE, Societies, and Councils to provide a one-stop shop for continuing education. Today, ILN (<https://iln.ieee.org>) includes hundreds of courses that serve a broad and diverse audience and continues to grow. I am currently serving on an IEEE ad-hoc on the Future of Education that is looking at several broad themes, including:

The impact of AI on the Educational Landscape Evolution of 4-Year and 5-Year Engineering degree programs making IEEE more relevant to Industry Practitioners

The poster features a dark blue background with a starry pattern. At the top left is the IEEE logo. To its right are the logos for IEEE Young Professionals Education Society and IEEE Education Society. The main title 'Fireside Chat & Coffee Table Diaries' is in large white font. Below it, 'With Prof. S. K. Ramesh' is written in orange and white. A portrait of Prof. Ramesh is on the right. Text below his name lists his credentials and roles. A circular inset shows the moderator, M. Sai Prashanth, with a 'Moderator' label. The event date and time are listed at the bottom left, along with the venue. Social media icons and the IEEE Education Society website are at the bottom.

IEEE

IEEE youngprofessionals Education Society

IEEE Education Society

Fireside Chat & Coffee Table Diaries

With

Prof. S. K. Ramesh

Ph.D., Fellow IEEE

Past President, ABET
Director and Lead Principal Investigator SFS2 Program, & Professor of Electrical and Computer Engineering, College of Engineering and Computer Science California State University, Northridge, CA

Moderator

M. Sai Prashanth
Chair, IEEE Education Society YP Ad Hoc Committee

06th June 2024
06:30 PM IST
Novotel Hotel, Hyderabad, India

ieee-edusociety.org

facebook / ieee education society

EVENT CONDUCTED UNDER SPAX

EVENT 1: MADE IN EGYPT TRAINING

Dates: 2nd Mar 2024

Venue: Nile University

Organizer: IEEE Education Society YP Adhoc Committee

Opening Ceremony

Speakers: Prof. Ahmed Madian, Moataz Alaa, Seif Mostafa

Overview:

Discussed this year's competition activities and IEEE Section and YP affinity group. Promoted IEEE Student to Young Professional transition and encouraged IEEE membership.



BIM Career Session**Time:** 11:00 - 12:00**Speaker:** Hosny Sayed**Overview:** Provided insights into BIM, career opportunities, required skills, industry trends, and facilitated networking and Q&A.**Mastering Project Management: A Roadmap to Success****Time:** 11:00 - 12:00**Speaker:** Mohamed Fawzy**Overview:**

Covered project management fundamentals, leadership, risk management, planning, communication, tools, case studies, and professional development

**Technology Awareness Session****Time:** 11:00 - 12:00**Speaker:** El Arby Company**Overview:**

Explored emerging technologies, digital transformation, and their impact on businesses and society.



EVENT 2: IEEE SPAX MAGNIFY

Dates: 11th and 12th Apr 2024

Venue: ANITS COLLEGE , VIZAG

Organizer: IEEE Education Society YP Adhoc Committee

DAY-1

Graphic Design Workshop:

Ms. Joyce Christina hosted a dynamic graphic design workshop, enriching participants with essential skills and creative insights. The workshop immersed attendees in hands-on exercises and conceptual discussions. The speaker's expertise illuminated principles of typography, color theory, and layout design, fostering a deeper understanding of visual communication. Participants explored industry-standard software tools, gaining practical experience in creating impactful designs. The event concluded with a showcase of projects, highlighting the diverse talents nurtured during the workshop. Ms. Joyce Christina's session was instrumental in empowering aspiring designers with fundamental knowledge and practical expertise



IEEE Membership Drive Report

The IEEE membership drive was a resounding success, . It aimed to bolster IEEE's community of professionals and students in Vizag Bay Section. Through targeted outreach and promotional activities, including informational sessions and networking events, the drive attracted a diverse cohort of new members. Benefits such as access to cutting-edge research, career resources, and global networking opportunities were highlighted. Membership growth exceeded expectations, reflecting strong interest in IEEE's mission to advance technology for humanity. The drive not only expanded

DAY - 2

Guest Lecture on Basic Infrastructure of Electric Hybrid Vehicles

A guest lecture on the basic infrastructure of electric hybrid vehicles was conducted successfully as a part of MAGNIFY. The lecture, delivered by an expert in the field, provided an in-depth overview of the foundational components and systems essential to electric hybrid vehicles. Key topics included hybrid powertrain configurations, battery technologies, regenerative braking systems, and integration of electric and internal combustion engines. Attendees gained valuable insights into the environmental benefits, efficiency gains, and technological advancements driving the adoption of hybrid vehicles globally. The lecture concluded with a stimulating Q&A session, fostering engagement and knowledge exchange among participants. Poster Design Competition Report The Poster Design Competition held, showcased exceptional creativity and talent. Participants from diverse backgrounds presented innovative interpretations of the theme, incorporating striking visuals and compelling messages. Judged on criteria like originality, visual impact, and thematic relevance, the competition highlighted the power of design in effective communication. Winners were celebrated for their outstanding contributions, emphasizing the competition's role in fostering artistic expression and creativity

EVENT 3: "IEEE SVCE SPAX 2024 - A STUDENT PROFESSIONAL PROGRAM"**Dates: 18,19,20 Apr 2024****Venue: SVCE COLLEGE****Organizer: IEEE Education Society YP Adhoc Committee****Day 1:**

- Opening Ceremony: Hosted by O. Brundasree, C. Deepika, and M. Kavya Reddy. Dignitaries included Dr. C. Chandra Sekhar, K. Sudheer, and Dr. D. Srinivasulu Reddy, who emphasized student participation in IEEE events and SPAX 2024.
- Webinar: Renu Ma'am discussed IEEE's benefits and engaged students via video conference.
- Research Paper Writing: Upendra Raju sir provided hands-on guidance on LaTeX.
- Object Detection: Allabaksh Shaik sir demonstrated innovative methods and practical applications.



Day 2:

- **IoT Workshop:** Conducted by V. Nagendra Kumar, P. Sasi Kumar, K.V.L. Keerthi, K.R. Surendra, and Allabaksh Shaik. Students engaged in hands-on experiments with IoT kits, learning about LDR projects, Arduino implementations, and time-delayed LED functions.

Day 3:

- **Analog VLSI Circuits:** Dr. K. Lokesh Krishna led a session on research in analog VLSI circuits.
- **Electric Vehicle Technology:** Dr. V. Lakshmi Devi provided insights into the future of EV technology.
- **Closing Ceremony:** Dignitaries presented tokens of appreciation to resource persons and distributed certificates to students. Kavya Reddy delivered a heartfelt vote of thanks. Photographs: Captured memorable moments of IEEE SVCE SPAX 2024.



EVENT 4: INTALK -2024

Dates: 27th and 28th Mar 2024

Venue: CBIT, Hyderabad

Organizer: IEEE Education Society YP Adhoc Committee

INTALK 2024 aimed to ensure that engineering students from various branches could benefit from the insights and expertise shared by a diverse lineup of speakers. Representing domains such as finance, construction, IT, mechatronics, and IEEE leadership, the event provided a comprehensive platform for attendees to gain valuable insights into various industries and emerging trends. This interdisciplinary approach aimed to empower students to explore connections beyond their specific fields, fostering innovation and broadening their horizons



Sessions Held: Ashish Damani (Finance Session): With over 23 years of experience in microfinance, Ashish Damani, President and CFO of Spandana Sphoorty Financial Limited, shared fund-raising strategies and insights into financial instruments. Attendees learned about portfolio management, risk mitigation, and business fund-raising processes.

S. Kalyan (IT Expert Session): S. Kalyan, with 25 years of experience in service and project management, provided practical insights into IT project management and Agile methodologies. Certified in PMP, PMI®ACP, and CSM, Kalyan's session covered Agile principles, stakeholder collaboration, and best practices for IT projects, offering attendees effective project management strategies and IT service delivery practices.

Rega Ravi Kumar (Construction Session): Rega Ravi Kumar, with over 26 years in construction management, focused on quality assurance and project management in the construction industry. Certified as an IRCA Lead Auditor, Rega's session emphasized sustainable construction practices and emerging technologies, highlighting the importance of quality assurance in project management.

Sridhar C B (Mechatronics Session): Leading the Mechatronics team at Satven, Sridhar C B provided insights into mechatronics principles, design methodologies, and applications. With over 20 years of experience, Sridhar's session underscored the interdisciplinary nature of mechatronics, its applications in various industries, and its role in developing innovative systems.

Ramya Narendra (IEEE Session): Ramya Narendra, involved in IEEE leadership, discussed IEEE's role in professional development and leadership opportunities. Her session highlighted the benefits of IEEE membership, technical resources, and career advancement support, promoting diversity and empowering young professionals in engineering

Conclusion: INTALK 2024 successfully bridged diverse engineering domains, inspiring attendees to think critically, adapt to changing industry landscapes, and pursue interdisciplinary collaborations in their future endeavors



EVENT 5: THE EDUVERSE EXTRAVAGANZA '24

Dates: 4th and 5th Apr 2024

Venue: SRI SAIRAM COLLEGE, Tamil Nadu

Organizer: IEEE Education Society YP Adhoc Committee

RESOURCE PERSONS : Dr. Rene Robin, sir, the Dean of Innovation, Dr. Brindha Saminathan, IEEE SEC Branch Counselor, Dr. Sheela Thavasi, the HOD of Information Technology, The Proud alumni from IT Dept of Sri Sairam Engineering College.

VENUE : Beta Hall, Hands-on training lab.

DATE : 4th - 5th April, 2024

THE EDUVERSE EXTRAVAGANZA '24

Honoring Creativity, Brilliance, and Alumni Knowledge.

We are overjoyed to announce the spectacular success of Eduverse Extravaganza '24, a two-day event supported by SPaX that honored our students' remarkable skill and accomplishments while also inviting renowned alumni back to offer their priceless wisdom.

ANNOUNCEMENT OF NEW OFFICE BEARERS:

Prominent alumni graciously accepted our invitation to attend our event and graciously shared their insights. The ceremony opens with a congratulations to the newly elected officials and the pillar support of the IEEE education society, provided by Dr. Rene Robin, sir, the Dean of Innovation, Dr. Sheela Thavasi, the HOD of Information Technology.

INAUGURATION OF THE EVENT “EDUVERSE EXTRAVAGANZA”.

Mr. Arun, the Chairman of the IEEE Madras Section Young Professionals, Prof. Navaneetha Krishnan Ramanathan, the Chairman of the IEEE Education Society MAS, who gave us insightful talks about the opportunities in the Education Society and motivated us to organize more successful events, and Mr. Nirajan Kumar, the Vice Chair of the IEEE EdSoc YP Adhoc Committee, who is a proud graduate of Sri Sairam Engineering College, led the inaugural grand event. Their participation gave our event a great deal of value, motivating our present students and highlighting the close ties that exist throughout our Eduverse community.

TECHNICAL & NON-TECHNICAL EVENTS:

Students from a variety of fields displayed their extraordinary abilities in a range of technical competitions during the extravaganza, showcasing their inventiveness, creativity, and problem-solving abilities. Among the members of the jury panel are the honored alumni of Sri Sairam Engineering College, consists of Mr. Raghu Bharathi, Ms. Dharani V K, Mr. Arjun Srinivasan, Mr. Jabez Selvaraj, Ms. Nirmala, Ms. Kamar Nisha, and Ms. Saushilyaa Kesavan, all of whom are proud alumni of Sri Sairam Engineering College. They have evaluated the participants' abilities and inspired us in shaping us into better individuals.

We sincerely thank Dr. Brindha Saminathan, IEEE SEC Branch Counselor, for her support and guidance, which played a crucial role in this event's success. Watch this space for updates. Stay tuned for more updates and exciting events from the Eduverse community as we continue to foster innovation and excellence in education.





TECHFORGE WORKSHOP



TechForge Workshop themed “Securing Tomorrow's Web3 Frontier,” hosted by the IEEE Kyambogo University Student Branch in collaboration with Filecoin Foundation, was a dynamic event held on April 27, 2024, at Kyambogo University, Uganda. Sponsored under IEEE Young Professionals STEP Funding and IEEE EdSoc YP Adhoc Committee and supported by Filecoin Orbit Uganda, the event aimed to provide university students with invaluable insights into the evolving landscape of technology, with a focus on Web3 and cybersecurity.

The event featured a lineup of knowledgeable speakers who delivered engaging talks on various topics. Attendees had the privilege of learning from experts such as Kajja Owen, who discussed cybersecurity, emphasizing digital safety and the identification of online threats. Ahimbisibwe Brian provided insights into Web3.0, covering the history of computers, blockchain technology, cryptocurrencies, smart contracts, and blockchain oracles.

In addition to the informative sessions, the event included a keynote address by Christopher Amadra Titus on TechForge, IEEE, IEEE Young Professionals, and the benefits of volunteering and membership within IEEE. This provided attendees with valuable information on career development opportunities and the advantages of being part of a professional network like IEEE.

One of the most successful aspects of TechForge was the positive feedback received from attendees. With a total of 30 participants, including 12 IEEE members and 18 non-IEEE members, the event attracted a diverse audience eager to learn and network. Attendees appreciated the comprehensive coverage of topics relevant to the future of technology and the opportunities to engage with industry experts.

Overall, TechForge provided a platform for IEEE members and non-IEEE members to learn what IEEE Young Professionals is all about and how they can transition and benefit as IEEE Young Professionals, enhancing their knowledge, expanding their networks, and preparing themselves for successful careers in technology. The event's success underscores the importance of continued collaboration between academia, industry, and professional organizations in empowering the next generation of tech leaders.



WORKSHOP ON PROBLEM SOLVING LEARNING



Date: 9th March 2024

Venue: Aadarana Children's Home

Participants: 25 Students

On March 9, 2024, a highly interactive workshop on problem-solving learning was held at Aadarana Children's Home in Madhapuram. Organized by IEEE GCET SB in collaboration with IEEE Education Society YP Adhoc Committee, the workshop aimed to equip children with critical thinking and problem-solving skills essential for their academic and personal growth. Ms. Lingolo Sony, Society/Affinity Group Coordinator, along with Deepak, Design Volunteer, led the sessions.

The primary objectives of the workshop were to:

- Introduce the concept of problem-solving learning.
- Enhance the critical thinking abilities of the children.
- Provide techniques for effective problem-solving.
- Encourage collaborative learning among participants.

The workshop saw enthusiastic participation from 25 children aged 8 to 16 years, including several pre-university students who were eager to engage in the day's activities.

Highlights

- **Engaging Sessions:** The children showed great interest and actively participated in all sessions, especially enjoying the group activities and interactive games.
- **Skill Development:** The workshop successfully introduced various problem-solving techniques which the children found both interesting and useful.
- **Positive Environment:** Created a supportive and encouraging environment that motivated the children to think creatively and work collaboratively.
- **Interactive Learning:** The use of games and real-life scenarios helped in making the learning process enjoyable and practical.

Feedback

The feedback from the participants was overwhelmingly positive. Many children expressed that they learned new ways to approach problems and enjoyed the collaborative activities. The caregivers and staff at Aadarana Children's Home also appreciated the initiative, noting significant engagement and enthusiasm among the children.



SPECIALIZED LEADERSHIP AND VOLUNTEER TRAINING ACES PROGRAM 2024

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IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS
ADHOC COMMITTEE

ACES
Aspire, Connect, Empower and Soar

Join us for an informative session on

"How to make the Successful Application for Awards or Scholarship"

Scan the code to join the event

Saturday, 30th March
9:00 PM - 9:30 PM IST
Venue : Online

Megha Ben
Board of Governor Member,
IEEE Computer Society
(2 time Richard E Merwin Scholar)

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Join us for an informative session on

"Know more about IEEE Education Society Awards"

Scan the code to join the event

Saturday, 30th March
9:30 PM - 10:00 PM IST
Venue : Online

Ayisha E A
Secretary, IEEE EdSoc YP Ad Hoc
Committee, IEEE EdSoc Student
Leadership Awardee 2023

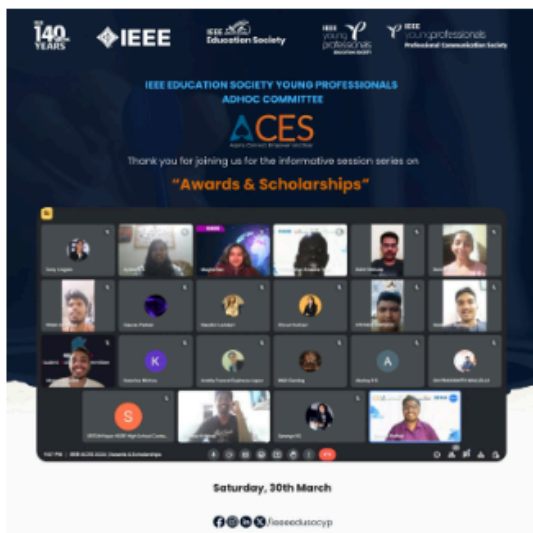
f @ /ieeedusocyp

IEEE ACES 2024 (Aspire, Connect, Empower and Soar) has been a dynamic series of events aimed at enhancing the skills and knowledge of IEEE committee members worldwide. Organized by the IEEE Education Society YP in collaboration with the IEEE Education Society and the IEEE Professional Communication Society YP, ACES 2024 has proven to be a platform for learning, networking, and personal growth within the IEEE community.

The heart of ACES 2024 lay in its diverse range of techno-managerial sessions led by industry experts and seasoned professionals. Participants were treated to insightful talks covering crucial topics such as IEEE awards and scholarships, effective use of IEEE OU Analytics, and leveraging platforms like IEEE.tv and IEEE Xplore Digital Library. These sessions not only deepened participants' understanding of IEEE's resources but also equipped them with practical tools to enhance their professional endeavors.

Key Events and Engagements

1. Talk on IEEE Awards & Scholarships: Megha Ben guided attendees through the nuances of successful application processes for IEEE awards and scholarships, offering invaluable tips and strategies.
2. Effective Utilization of IEEE OU Analytics: Mario Daniel Baquedano-Aguilar provided a comprehensive overview of how organizational units can leverage data analytics to optimize member engagement and operational efficiency.
3. Introduction to IEEE Learning Network (ILN): Leon Lei showcased the ILN platform's role in facilitating continuous learning and professional development through its diverse array of courses and certifications.



Panel Discussion

Exploring the Ecosystem - Navigating IEEE and Diverse Societies

A panel discussion brought together prominent leaders within IEEE, including Sai Prashanth Mallelu, Saptharshi Ghosh, Sneha Sati Hegde, Sarath S, Niranjana Kumari, and Anand Shah. These leaders discussed the diverse opportunities and challenges within IEEE's ecosystem, offering perspectives on collaboration, leadership, and the future of technological advancements. The panel provided valuable insights into navigating IEEE's expansive network and leveraging resources effectively to drive meaningful impact within IEEE societies.

Ideathon and Puzzlethon

As part of ACES 2024, the Ideathon challenged participants to innovate and present creative solutions to current technological challenges. Winners were celebrated for their innovative ideas and solutions that showcased their analytical and problem-solving skills. The Puzzlethon engaged participants in a collaborative challenge, fostering teamwork and knowledge sharing while rewarding active participation with prestigious IEEE ACES badges and Collabratec goodies.

Networking Activities: Deblur Quest and Treasure Hunt

Networking activities such as Deblur Quest and Treasure Hunt added a fun and interactive dimension to ACES 2024. These activities encouraged participants to connect, collaborate, and explore, fostering a sense of camaraderie and teamwork among IEEE members. Winners of these activities were recognized for their teamwork, problem-solving abilities, and enthusiasm in engaging with fellow IEEE members.

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Join us for an informative session on

"IEEE Xplore Digital Library: Taking Your Career to the Next Level"



Scan the code to join the session



20th April, 2024
11 AM EDT
Venue : Online

Dhanukumar Pattanashetti
Senior IEEE Client Services Manager

[f](#) [t](#) [i](#) [y](#) /ieeeeduasocyp

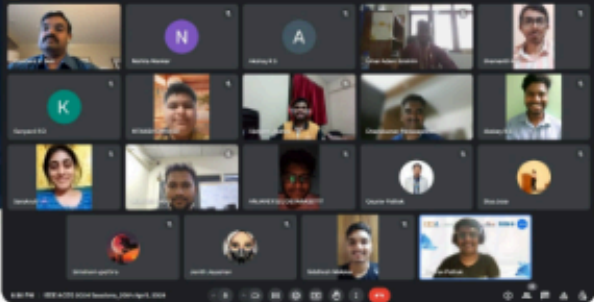
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Thank you for joining us for the informative session series on

"Talk on 'Evolving & Driving Opportunities through IEEE.tv' and 'IEEE Xplore' "



Saturday, 20th April

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Join us for an informative session on

"How to write an effective IEEE Funded Proposals : Do's & Don'ts"



Scan the code to join the session



27th April, 2024
11 AM EDT
Venue : Online

Sai Prashanth Mallelu
Chair, IEEE Education Society YP Ad Hoc Committee

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Join us for an informative session on

"Talk on Introduction to IEEE Learning Network (ILN)"



Scan the code to join the session



27th April, 2024
10:30 AM EDT
Venue : Online

Dr Leon Lei
Chair, IEEE Region 10 Educational Activities Committee

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Thank you for joining us for the informative session series on

"Talk on IEEE Learning Networks (ILN) & IEEE Funded Proposal"



Saturday, 27th April

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Thank you for joining us for the informative session series on

"Talk on IEEE Learning Networks (ILN) & IEEE Funded Proposal"



Saturday, 27th April

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Join us for an informative session on

"Talk on IEEE Blended Learning Program"



Scan the code to join the session



4th May, 2024
10:30 AM EDT
Venue: Online

Pramod Kumar
Senior Manager (Education) at IEEE

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Join us for an informative session on

"Talk on Future with Artificial Intelligence & Challenges"



Scan the code to join the session



4th May, 2024
11 AM EDT
Venue: Online

Kanya Johar
Software Developer

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Thomas Coughlin
2024 IEEE President & CEO

Fireside Chat & Coffee Time Diaries
with IEEE President

Scan the QR Code to join online :

Date: 18th May, 2024 Time: 10:30 AM EDT onwards

Meeting ID: 812 6626 4782
Passcode: 516400

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Thank you for joining us for the informative session series on
"Fireside Chat & Coffee Time Diaries with IEEE President"

Saturday, 18th May, 2024

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IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS ADHOC COMMITTEE

Join us for an informative panel discussion on
"Exploring the Ecosystem: Navigating IEEE and Its Diverse Societies"

 Chair Sudhakar M. M. IEEE Education Society	 Panelist Nagesh K. M. IEEE Computer Society	 Panelist Srinitha S. IEEE Professional Communication Society
 Panelist Suresh S. IEEE Education Society	 Panelist Niranjani K. IEEE Education Society	 Panelist Anand Chait IEEE Education Society

Scan the code to join the session

25th May, 2024
10:30 AM EDT onwards
Venue : Online

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IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS ADHOC COMMITTEE

Thank you for joining us for the informative panel discussion on
"Exploring the Ecosystem: Navigating IEEE and Its Diverse Societies"

Saturday, 25th May

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Deblur Quest

Unveiling the Hidden Images



May 15th, 2024

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TREASURE HUNT WINNERS



SHIVANSH AGARWAL
Jalpur Engineering College and Research Centre

YADHUKRISHNA K
College of Engineering
Munnar

JANITH JAYASHAN
General Sir John Kotelawala
Defense University

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Deblur Quest

Unveiling the Hidden Images

- 1. Vaibhav Krishna S** of KPRIET, Anna University
- 2. Kavyasri R D** of KPR Institute of Engineering and Technology
- 3. Abhijeet Sandeep Jadhav** of Rajiv Gandhi Institute of Petroleum Technology

May 15th, 2024

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PUZZLETHON'24

June 1st - June 6th, 2024

In collaboration with

IEEE PUZZLERS

1. Top 3 winners will get amazing IEEE Puzzlers Goodies.
2. Open for All. Solve the puzzles and grab the chance to earn IEEE ACES 2024 Badge along with IEEE Puzzlers Goodies.

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PUZZLETHON'24

June 1st - June 6th, 2024

1. Abhijeet Jadav
2. Kavyasri D
3. Deborsi Basu

ACES 2024

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Collabratec CT News : What you should know!

Software Version 12.0, Part 1 & 2 released, this includes :

- ✓ Certificates for past & present volunteer positions
- ✓ Copy post link function added to posts
- ✓ Search refinement for View All Results - cleaner & more streamlined view
- ✓ Profile Enhancements, modularized and each pod optimized
- ✓ IEEE Membership Directory viewing refinements
- ✓ Member IEEE section included on People Listings pages (Connect)
- ✓ Tagline increased to 280 characters
- ✓ Tagline extended to Profile Quick-view Popup and Profile
- ✓ Workspace creation enhancements with 'Learn More' links
- ✓ Organizational (OU) Workspace invitation fix
- ✓ Mentoring process enhancements (select under 'Collaborate' tab)

2024 ACES: Aspire Connect Empower Soar, 01 June through 06 June --- IEEE Education Society's newest initiative, ACES, and their flagship webinar series will host a special edition badge initiative & contest challenging engineers' brain power. Go to IEEE Puzzlers Community on June 1st and test your skill.

Select related links below!



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IDEATHON

Join the brightest minds in tech for an epic 24-hour coding marathon and win amazing prizes!

Register Here!

Deadline: 30th May, 2024
Winners Announcement: 8th June, 2024

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IDEATHON WINNERS

JUSTIN JACOB
Queen's University

Vaibhav Krishna S
KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY

Abhijeet Sandeep
SOIFT, Jala

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ACES Ideathon 2024

Screenshot of a Zoom meeting showing participants and a host. The meeting title is 'ACES Ideathon 2024'.

[f](#) [t](#) [i](#) [y](#) /iseedusocyp Saturday, 7th June 2024

140 YEARS IEEE Education Society IEEE Young Professionals IEEE Professionals ACES

Snijur Rahman
2023 IEEE President

Talk on
**Role of Renewable Resources
in Climate Change**

Scan the QR Code to join online:

8th June, 2024 11 AM EDT onwards

Meeting ID: 822 781 9628
Passcode: 238177

IEEE Education Society Young Professionals

140 YEARS IEEE Education Society IEEE Young Professionals IEEE Professionals ACES

Celin Shahmay
Chair, IEEE WIE 2024

Talk on
**Impact of IEEE WIE in Women
Empowerment**

Scan the QR Code to join online:

8th June, 2024 10:30 AM EDT onwards

Meeting ID: 822 781 9628
Passcode: 238177

IEEE Education Society Young Professionals

140 YEARS IEEE Education Society IEEE Young Professionals IEEE Professionals ACES

IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS
ADHOC COMMITTEE

ACES
with a focus on Energy and Tech

Thank you for joining us for the informative session series on
**"Talks on Impact of IEEE WIE in Women Empowerment & Role of
 Renewable Resources in Climate Change"**

Meeting ID: 822 781 9628
Passcode: 238177

Saturday, 8th June, 2024

IEEE Education Society Young Professionals

IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS
ADHOC COMMITTEE

ACES
Aspire, Connect, Empower and Soar

Join us for an informative session on
"Talk on Awareness to IEEE MGA VoLT Program"

Scan the code to join the session

11th May, 2024
10:30 AM EDT
Venue : Online

Stephen L. Torpie
 Program Specific, Volunteer User Experience Geographic Activities

/ieeedusocyp

IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS
ADHOC COMMITTEE

ACES
Aspire, Connect, Empower and Soar

Join us for an informative session on
"Talk on IEEE Collabratec & IEEE Puzzlers"

Scan the code to join the session

11th May, 2024
11 AM EDT
Venue : Online

Cybele Ghanem
 Chairperson, IEEE Day 2023-2024
 IEEE MBA SAC Virtual Speakers Bureau Chairperson

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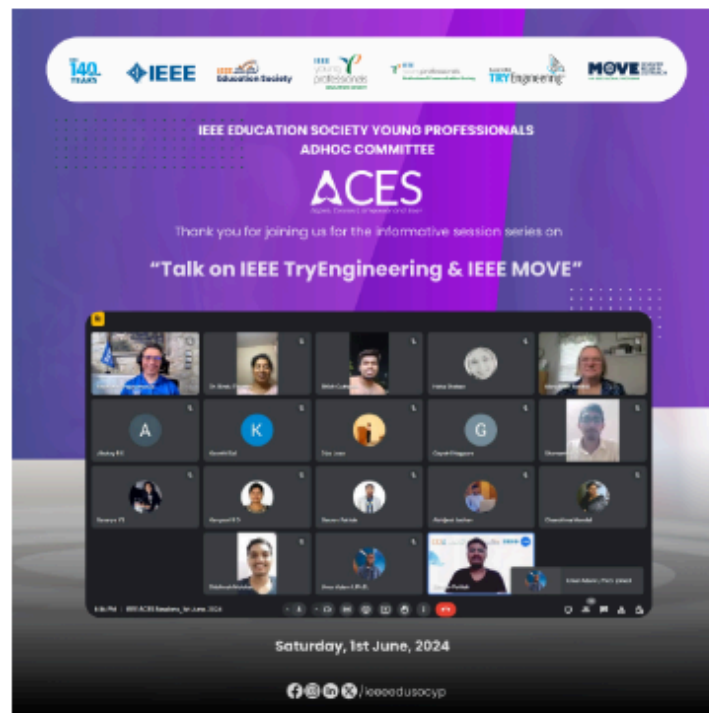
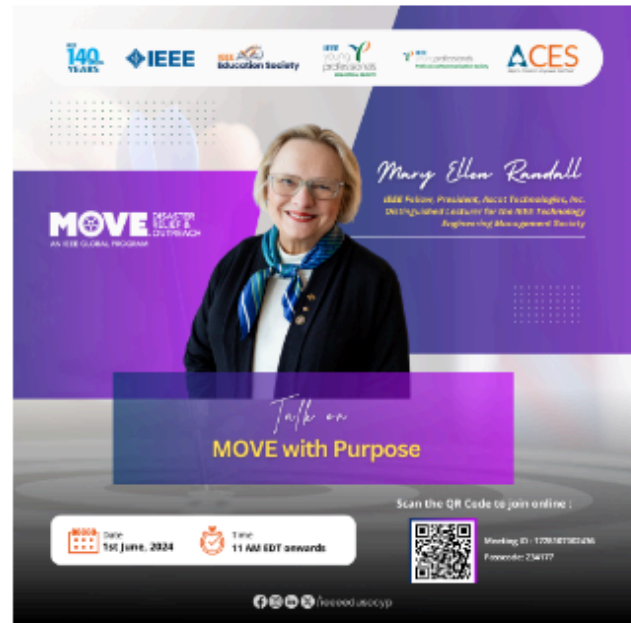
IEEE EDUCATION SOCIETY YOUNG PROFESSIONALS
ADHOC COMMITTEE

ACES
Aspire, Connect, Empower and Soar

Thank you for joining us for the informative session series on
"Talk on IEEE MGA VoLT Program, IEEE Puzzlers & IEEE Collabratec"

Saturday, 11th May

/ieeedusocyp



IEEE ACES 2024 exemplified the spirit of learning, collaboration, and leadership within the IEEE community. Through a diverse range of sessions, discussions, and interactive activities, participants gained valuable insights, expanded their professional networks, and strengthened their commitment to advancing technology for the benefit of society. The success of ACES 2024 is a testament to the dedication of organizers, the expertise of speakers, and the active participation of IEEE members worldwide. As we look forward, let us continue to aspire, connect, empower, and soar together in shaping the future of technology through IEEE.

ELEVATE AND UPRISE - SINGAPORE 2024

The IEEE Educational Society Young Professionals Ad Hoc Committee recently held an event titled "Elevate and Uprise" at the Park Royal Collection Marina Bay Sands in Singapore. This event was a significant opportunity for networking and knowledge sharing among young professionals. The five members of the committee who organized and conducted the event were M. Sai Prashanth -Committee Chair, Joyce Christina- joint secretary, Dr. M.V.V.Prasad- VC STEP & Pre-University, Raj Paul - VC SPAX, and N. Puneeth Sarma- Publicity lead. These young professionals brought their expertise and enthusiasm to the event, creating a dynamic and engaging environment.

The session focused on VTOOLS, a tool developed by IEEE for event uploading, communication, and reporting. They discussed how VTOOLS can be leveraged to streamline event management and enhance communication within the IEEE community. 40 people from various countries attended the session, reflecting the diverse and global reach of the IEEE. The attendees had the chance to learn about the practical applications of VTOOLS and other technological advancements that can help societies progress effectively. The interactive nature of the session allowed for a rich exchange of ideas and experiences, making it a valuable experience for all participants.

The poster features the IEEE 140 Years logo, IEEE Education Society logo, IEEE Young Professionals Association logo, and IEEE Young Professionals Professional Communication Society logo. The main title is "IEEE Education Society Young Professionals Leadership Conclave & Volunteers Training ELEVATE & UPRISE". Below the title are five circular portraits of the committee members with their names and roles: M. Sai Prashanth (Chair), Joyce Christina (Joint Secretary), Dr. MVV Prasad K. (Vice Chair, STEM & Pre-university), Raj Paul (Vice Chair, SPAX), and N. Puneeth Sarma (Publicity Lead). The bottom section of the poster lists the event details: "IEEE Education Society YP Ad Hoc Committee", "24th June - 25th June 2024", "8:00AM to 6:00PM SGT", and "Parkroyal Collection Marina Bay 6 Raffles Blvd, Singapore, 039594". Social media links for IEEE Education Society and the IEEE Education Society website are also provided.

In addition to the Elevate and Uprise event, the same five young professionals attended a VTS Chair Training Session at the Marina Bay Sands Convention Centre. This training session was led by the VTS Vice President of Membership Activities and included presentations by other esteemed speakers. The training provided a comprehensive overview of the history and formation of the IEEE Vehicular Technology Society (VTS). It also highlighted successful activities and important discussions about the future development of VTS.

The participation of M. Sai Prashant, Joyce Christina, Dr. M. V. V. Prasad, Raj Paul, and N. Puneeth Sarma in both the Elevate and Uprise event and the VTS Chair Training Session demonstrated their commitment to professional growth and their dedication to the IEEE community. Their involvement in these events not only enhanced their own knowledge and skills but also contributed to the overall success and impact of the sessions. The combination of networking, learning, and sharing experiences in these events underscored the importance of continuous development and collaboration in advancing the goals of the IEEE and its members



IEEE FOLDSCOPE WORKSHOP AND IEEE WIE DAY CELEBRATIONS 2024

Dates: 29th June 2024

Venue: KPR Institute of Engineering and Technology, Coimbatore

Speakers:

- Mr. Sai Prashanth M, Chair, IEEE EdSoc YP Ad Hoc Committee
- Ms. Sony Lingolo, Vice-chair, Woman in Education, IEEE EdSoc YP Ad Hoc Committee

Timing:

9:00 AM – 12:00 PM IST

2 :00 - 4:00 PM IST

IEEE Education Society Young Professionals

IEEE Foldscope Workshop

Sponsored Under AP SIGHT Project
under IEEE Education Society YP STEM & Childcare Program

Supported by

AYS IEEE Bombay Section IEEE Pune Section IEEE Student Branch

Speaker
Sai Prashanth M
Chair
IEEE EduSoc YP Ad Hoc Committee

Speaker
Sony Lingolo
Vice-Chair, Women in Education,
IEEE EduSoc YP Ad Hoc Committee

Date: **29th June, 2024**
Time: **09:00AM - 12:00 Noon**
Venue: **Arasur Government School, Coimbatore**

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IEEE KPRIET WIE Affinity group & IEEE KPRIET Education society SBC
in collaboration with
IEEE Education society YP Ad Hoc Committee
Celebrates

IEEE WIE DAY 2024

Talk on
Block Chain & it's applications



Sai Prashanth M
Chair
IEEE EduSoc YP Ad Hoc Committee

Talk on
Energy Storage Technologies



Sony Lingolo
Vice - Chair, Women in Education
IEEE EduSoc YP Ad Hoc Committee

📅 29th June, 2024 ⌚ 2PM - 4PM 📍 Veena Hall, KPR Institute of Engineering and Technology, Coimbatore.

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The IEEE Foldscope Workshop held at Arasur Government School in Coimbatore was a remarkable event aimed at promoting scientific curiosity and hands-on learning among students. Organized by the IEEE, the workshop introduced students to the innovative and affordable paper microscope known as the Foldscope. The session began with an introduction to IEEE and the significance of the Foldscope project, followed by a detailed presentation on its development and applications. Students were then guided through the process of assembling their own Foldscopes, with practical sessions where they prepared slides from various samples such as plant leaves and insect wings. Workshop successfully ignited interest in science and microscopy among the students, who expressed a desire for more such hands-on scientific activities. Special thanks were extended to the IEEE members, volunteers, and school staff for their invaluable support in making the workshop a success.



An inspiring series of talks were held by prominent speakers from the IEEE Education Society. The event, scheduled from 2-4 PM IST, featured Mr. Sai Prashanth M, the Chair of the IEEE EdSoc YP Ad Hoc Committee. He delivered an insightful presentation on the theme "Blockchain and Its Applications," highlighting the transformative potential of blockchain technology across various industries. Mr. Sai Prashanth's talk emphasized practical applications and future prospects, engaging the audience with real-world examples and potential career opportunities in this burgeoning field.



Following his presentation, Ms. Sony Lingolo, the Vice-chair of Woman in Education for the IEEE EdSoc YP Ad Hoc Committee, delivered an enlightening session on "Energy Storage Technologies." Her talk focused on the latest advancements and challenges in energy storage, a critical component for sustainable energy solutions. Ms. Lingolo's discussion covered various technologies, their applications, and the importance of innovation in achieving energy efficiency and sustainability. Her engaging delivery and expertise provided valuable insights, inspiring attendees to explore and contribute to this vital area of research and development.



The session concluded with a forward-looking perspective on the future of energy storage. Ms.Lingolo emphasized the need for continued research and development to overcome current limitations and make energy storage more efficient and affordable. She encouraged collaboration between academia, industry, and government to drive innovation and adoption of advanced energy storage solutions.



WIE Day Celebrations:

Following the insightful talks, the event transitioned into the WIE (Women in Engineering) Day celebrations. The celebrations were marked by a cake-cutting ceremony, symbolizing the achievements and contributions of women in the field of engineering and education. This segment provided an opportunity for networking and discussion among the attendees, fostering a sense of community and support for women in STEM fields.



CONCLUSION:

The IEEE event at Veena Hall, KPR Institute of Engineering and Technology, was a resounding success, offering valuable insights into blockchain technology and energy storage advancements. The engaging presentations by Mr. Sai Prashanth M and Ms. Sony Lingolo not only educated but also inspired the attendees to explore these cutting-edge fields further. The WIE Day celebrations added a festive and inclusive touch to the event, highlighting the importance of diversity and inclusion in engineering and technology.

Industrial Visit to Chocolate and Tea Factory , Ooty

The Mentor Who Guided Me Through My B.Tech and Beyond.

By - Vaibhav Krishna S

As I embark on this journey to share my story, I can't help but reflect on the pivotal role that Pandiyarajan sir has played in shaping my path. Hailing from the vibrant state of Tamil Nadu, India, Pandiyarajan has been a constant source of inspiration, wisdom, and unwavering support throughout my B.Tech journey and beyond.

Discovering My Passion

I still remember the day I first stepped foot on campus, filled with a mix of excitement and trepidation. The world of engineering was entirely new to me, and I often found myself overwhelmed by the sheer volume of information and the rigorous academic demands. That's when he entered my life, like a beacon in the darkness.

A Guiding Light

Pandiyarajan sir was more than just a professor; he was a mentor who truly understood the challenges we, as students, faced. He had a way of breaking down complex concepts into bite-sized, easy-to-grasp pieces, and his enthusiasm for the subject matter was infectious. Whether it was during his lectures or in our one-on-one discussions, Pandiyarajan sir always made time to ensure that I comprehended the material thoroughly.

But Pandiyarajan sir's guidance extended far beyond the classroom. He recognized the importance of personal growth and development, and he took a genuine interest in each of his students' well-being. Whenever I found myself struggling with the demands of my coursework or feeling uncertain about my future, Pandiyarajan was there to lend a listening ear and offer invaluable advice.

Unlocking My Potential

One of the most remarkable things about Pandiyarajan sir was his ability to see the potential in each of his students, even when we couldn't see it in ourselves. He encouraged me to step out of my comfort zone, to take on challenging projects, and to embrace opportunities that would push me to grow.

Under his mentorship, I found myself taking on leadership roles in student organizations, participating in hackathons, and even exploring research opportunities. With Pandiyarajan's unwavering support and guidance, I was able to develop skills that I never knew I possessed, from critical thinking to effective communication.

A Lasting Impact

As I look back on my B.Tech journey, I can say with certainty that Pandiyarajan's influence has left an indelible mark on my life. His dedication, compassion, and unwavering belief in my abilities have instilled in me a sense of confidence and resilience that I carry with me even today.

Even long after I graduated, Pandiyarajan sir has remained a constant presence in my life. He has continued to offer advice, connect me with valuable resources, and champion my professional endeavors. His mentorship has been a driving force behind my achievements, and I am forever grateful for the impact he has had on my life.

Paying It Forward

Now, as I embark on my own career path, I am inspired to follow in Pandiyarajan's footsteps and become a mentor to future generations of students. I hope to have the same transformative effect on others that Pandiyarajan had on me, guiding them through the challenges of academia and beyond, and empowering them to reach their full potential.

Pandiyarajan G sir is more than just a mentor; he is a true inspiration, a shining example of the profound impact that a dedicated and caring individual can have on a student's life. I am honored to have had the privilege of learning from him, and I know that his legacy will continue to inspire and uplift countless others for years to come.

Challenges and Motivation: A Journey from Student to Professional

By - Jenipher Ogara

In my final year as a high school student, I sighed and reminisced about the moments that had passed. The journey was bumpy but smoother than the one I had in primary school. Thanks to modern medicine, I could easily manage the atopic dermatitis symptoms that had been so persistent in my young life. I pondered deeply on what I wanted to pursue and became fixated on electrical engineering. During that time, my school invested in motivating us through speakers and sessions that provided access to online uplifting material. I still vividly remember watching Nick Vujcic's story and Malachi's audition on America's Got Talent. The underlying message was clear: "You can do it! You can be disadvantaged, but you will find a way to succeed! You can be scared, but with the right people reassuring you, you can do it." As a result, I knew I could do anything I wanted to, drawing inspiration from such stories.

I am grateful for being sponsored by the government in university, which alleviated a significant financial burden from my parents. However, I encountered a different set of challenges. At that time, I was unaware that other students faced similar challenges since they seemed to have everything under control. I thoroughly enjoyed my classes in electrical engineering, from power systems to telecommunications, from control systems to mobile computing. Perhaps I enjoyed it too much, as I became confused about which path to pursue. I took online tests and spoke with a few people to gain clarity on my direction. The first major challenge arose during my specialization selection. I ended up choosing Computer and Electronics Engineering because I had the least knowledge in that area, and I aimed to upskill.

Upon graduation, I was almost certain that I knew exactly what I wanted, but I was mistaken. The job market was harsh, and I applied to various opportunities within engineering field and beyond, blurring the lines between securing a job for survival and choosing a path that I was truly passionate about.

Social media made me aware that there are other adults living with atopic dermatitis, and our struggles were relatable, albeit varying in severity. This presented another challenge for me. I always kept up with my classmates, although some days were harder than others. To console myself, I would say, "Life is hard, and everyone is facing challenges. My challenge is not special." In reality, I experienced difficulties that a student with healthy skin had not encountered. We did many things together, but most of the time, there was that struggle—discomfort, itchiness, sometimes pain, mostly discomfort. I hid this well because I was embarrassed and never wanted anyone to see this side of me. I worried that I might not thrive in harsh outdoor environments that I was preparing for. I feared I would be limited to indoor environments because the harsh outdoors might exacerbate things.

I am currently an engineer in process automation. Control systems was a major area of study in my curriculum, but I cannot claim that this was the path I was certain to pursue. When I got the opportunity, I wasn't sure if I would like the industry or the work. The challenge shifted from having too many areas to pick from to deciding if the chosen path was the one. I now realize that sometimes there is no way of knowing until you do it! I still face challenges, but I also get motivated to overcome them. I have little pockets full of stars, I have a great support system, and sometimes, I just do it!

Challenges and motivation : A journey from a student to a professional

By - Nandani L

I remember an incident from my childhood, when she was of 12, there was a competition, it was a kiddish one, run to the chair that's 100 meters away, then to break the balloons in the chair and then run back to where we started. she along with some 20 participants of my age were there, as soon as the whistle blew up, she ran so fast and grabbed the chair, but due to her speed, she collapsed and fell down along with the chair, everyone around, there were more than 200 people watching the competition, all of them laughed, the sounds were high, but the little girl didn't listen to them nor reacted to them. She stood up immediately, placed the chair and then started bursting the balloons. She burst it so fast and ran back and you know what she came first! The same crowd that laughed at her, clapped at her. After her reaching the finishing line the 2nd person was even able to burst their balloons fully. If the little girl had cried or stopped or felt embarrassed and left the ground, the laughter would have stayed as humiliation alone. But the way she didn't give it up and had hope on herself, the confidence, that's the thing. That little girl is none other than the one who is narrating you the story. In life, this made a huge impact on me, confidence is everything. Self belief is all that I needed. The one who did a little near to none when coming to competitions started to walk in everything and gave a try with confidence.

After certain years, when I didn't give my best in exams and couldn't get the college I dreamt of, I was totally broken. All my confidence, self-esteem went off. Someone who had seen all winnings throughout, had the first failure in her entire life. I was closed to a shell, bared talked to anyone, just had one friend and wanted her company wherever I go. Then came competitions. Competitions that I loved my to participate on, but yeah I needed a company. I wanted to explore a lot as from my past experiences I love exploring things! Someone there was a little bit of inferiority complex and I always needed a person with me. I was in a search for a like minded person. In search of a person to accompany by me, I was asking one of my friend to come with me. She used to say we would go but she never came at all. Eventually I missed events for almost a semester. Then after realising these things, I started going on my own. No one of my class even went for some events that I was actually interested. Slowly after seeing me some came out but not that one friend of mine, because that person never wanted to. Fast-forward to today where I have my own team of like minded , friendly, supportive, caring friends

and team by my side. All happened because of my one decision to come out of the shell and the consistency in doing what I loved. I learnt that you will get nothing until you work for it.

Meanwhile there were some bullies around my circle, who would always talk in such a way that the hurt. They would make fun of my and my friends getting continuous OD's from college to participate in events. In actually we were doing something that they couldn't. we didn't pay attention to them at all, we didn't even talk to them or took seriously about what they said, fast forward to this day, it's the same people who congratulate on our wins. It's the same people asking how did you do it. Most importantly what I realised is this that , those who talked about us, are still just talking, they didn't do anything much since they were busy in talking while we were busy in creating what we were interested at. Yup, it's important to figure out what's important and what's not. What you focus on grows! Just like how its said, keep quite and let your success make the noise, I felt it that day.

During my school days, I was a good student but not so good at math. I used to score not so well in it after 7th, sometimes I hated the teacher who taught, sometimes I couldn't understand the way she spoke and tried to explain us. I was scoring average marks till 9th. Then came 10th the most imp year as a student. I got into tuition, where in he used to say I lacked basics a lot, yup I knew I did. In school and tuition I continued to study hard and juggling between tuitions for science and maths, there used to be people who mocked at me for having continuous tuition. But at the end during results, all those who mocked me got lesser marks than me. Maybe it's all hard work that gets you what you deserve. Sometimes it doesn't matter you are talented or blessed or whatever, it matters whether you are passionate enough to put in the work. Consistency is directly proportional to the growth, in some cases it might be exponential too.

Throughout the academic journey, being a person who focused on studies and grades, though it was necessary, it was going out of my zone in order to get things done. I learnt that consistent efforts can make even the mountain tasks a cake walk, it just takes time. later I realised the sleeps I sacrificed could actually have caused me mentally and emotionally. The pressure to excel academically and maintain high grades can create stress and anxiety.

Work-life balance: thinking about this, I regret a bit being bad at this. I used to come home and freshen up and go to my study table. went for dinner, studied for an hour more and slept. I had very less or no family time. writing this out, pondering it out let me discover the fact and research about how to get a good work-life balance. personal development: this is the domain I have been working since some years. comparing leads to just mental stress. being a person interested in multiple skills, I used to juggle a lot and get things out of it. not just work skills, communication skills also so matter a lot.

Motivation: When I faced a lot of challenges, only a few I could recollect it out here. One thing I knew, it was getting harder as the years passed on, but I did realise I was handling the situations better with each moving year. Naturally I had a good amount of patience and listening skill that made certain hard stuffs easy for me, that gave me edge over people who lacked it a bit and deal things calmly. Something that keeps me going through tough days is, by being grateful for what I have. I sometimes take a time to reflect on things that I observe and that I go through. I am grateful for having what ever I have. I visited an orphanage recently, that was the moment I realised how those kids badly craved for the life that we live. That just meant that we live the lives of their dreams and yet not satisfied with that? Somewhere in the run of having more, we shouldn't forget being thankful for what we have. Those kids didn't do anything wrong to be there, they were actually kind in nature. We all are blessed in unknown ways by the universe to have whatever we have. Rather than regretting on what's not here with us, focusing on what we have, what can be done with what we have is all that I needed, I realised this lately. After that visit, I decided it for myself that, one day when I will be financially independent, I want to help such kids. Who knows they too might land a good life? Somewhere the urge to work more increased within me after that one day. Coming to professional life, all the learnings that I learnt to be a student did help me in a lot of ways, but I had to learn to manage stress and work pressure in internships. How I was no more a kid, how even my small mistake can affect an organisation, how I was responsible for everything I do, every little thing that I do. Being accountable to certain things, holding up huge responsibilities was not new but in work it was different. Professional things are so different from personal.

One should never mix both. A person is professionally and personally different in order to be good at both. Being sincere at work sometimes can bring a conflict, someone can scold you for not doing the work properly, but taking that personally can affect you mentally and that isn't the solution for the problem. I learnt this after working in my internship and after working in organising committee multiple times in ieee and in my college events. In order to get a good output, being strict isn't wrong, yet one should communicate in a way that it doesn't hurt anyone out there. It's important to consider human emotions too when we talk. It's important to maintain a good physical health as well as a mental peace. I would like to conclude that the challenges that we go through our life is not to knock us down, they are meant to shape us for the future that we were going to have. The iron that gets the more heated gets in to the best shape, similarly our challenges lead us to a better life and managing and handling it well gives us the lessons that we needed. All my challenges shaped me to be a good professional, and that was my journey from student to a professional.

MEMBERS ACHEIVEMENTS

Sai Prashanth, Chair of IEEE Education Society YP Adhoc Committee has been inducted into the IEEE HKN & President of IEEE ETA Kappa Nu Chapter



MEMBERS ACHEIVEMENTS

Congratulations To IEEE Education Society Young Professionals Team Members for being selected as STEM Champions by IEEE TRYEngineering



AYISHA E A



DR. M V V PRASAD



YESHWANT L M



GAURAV PATHAK

MEMBERS ACHEIVEMENTS

IEEE TryEngineering STEM Champion 2024
Emerald Badge Recipient - IEEE Global Puzzlathon 2024

Gaurav Pathak





Fireside Chat & *Coffee Table Diaries*

With

Kathleen A. Kramer

2024 IEEE President-Elect



Moderator


Uthej Kalathila




Vice Chair, Technical Activities
IEEE Education Society YP Ad Hoc
Committee

31 July 2024

10:30 AM EDT

Google Meet

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

Web Development using WordPress

WEEK 1

Introduction to Web Development
Introduction to Content Management System
Web Hosting and CPanel Overview
Familiarising WordPress and its tools

WEEK 2

Hands On Session
Creating own WebPages
Portfolio Webpage Creation
Media and Content Updation
Website Presentation

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STAY TUNED FOR OUR UPCOMING EVENTS



The poster features a dark background with a red and orange flame effect. At the top, there are logos for IEEE, IEEE Region 10, IEEE Region 10 Educational Activities, IEEE Hyderabad Section, IEEE Education Society, and IEEE Young Professionals Education Society. The main text reads 'Introducing R10 EA Funded Hackathon' followed by 'INNO SOLVE' in large, bold, white letters with a textured effect, and 'ENGINEERING FOR TOMORROW' below it. The dates '10 AUG' and '20 AUG 24' are displayed in a stylized font. The location is 'MAKER SPACE, V-HUB, VARDHAMAN COLLEGE OF ENGINEERING, SHAMSHABAD, HYDERABAD, INDIA'. Below this, it says 'COMING SOON'. At the bottom, it is 'Hosted By' with logos for Vardhaman College of Engineering and IEEE VICE 50.

IEEE Region 10

IEEE REGION 10 EDUCATIONAL ACTIVITIES

IEEE Hyderabad Section

IEEE Education Society

IEEE young professionals EDUCATION SOCIETY

Introducing R10 EA Funded Hackathon

INNO SOLVE

ENGINEERING FOR TOMORROW

10 AUG 20 AUG 24

MAKER SPACE, V-HUB, VARDHAMAN COLLEGE OF ENGINEERING, SHAMSHABAD, HYDERABAD, INDIA

COMING SOON

Hosted By

VARDHAMAN COLLEGE OF ENGINEERING VARDHAMAN

IEEE VICE 50



Introducing R10 EA Funded Project

SKYCRAFT

An insight into drones



Empowering undergraduates by hands-on learning and exploration through Drones Workshop.

COMING SOON



IEEE
140
YEARS



IEEE
young
professionals

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professionals
EDUCATION SOCIETY

IEEE ENGINEERING EDUCATION STUDENT & YOUNG PROFESSIONAL CONGRESS 2024



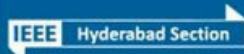
FIRE SIDE CHAT & IEEE EDUCATION SOCIETY
YOUNG PROFESSIONALS MEET-UP

LOCAL CITY TOUR &
INDUSTRIAL VISIT

IEEE YOUNG PROFESSIONALS
NETWORKING DINNER

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Would YOU make the right decision?
Find out in the...

IEEE Student Ethics Competition

*Challenging IEEE student and graduate student members
to choose the responsible path*

- Discuss and analyze ethical concepts
- Apply ethical concepts to professional situations
- Present your team's findings competitively

Make the IEEE Code of Ethics come alive!



25th October 2024



Maker Space, V-Hub,
Vardhaman College of Engineering,
Shamshabad, Hyderabad, India

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WINNING PRIZE



\$400



\$200



DEADLINE

24/10/2024

IEEE HYDERABAD SECTION | IEEE VCE STUDENT BRANCH



IEEE WIE DAY 2024 CELEBRATION

CLOUD COMPUTING FOR THE NEXT GENERATION

Career Paths and Opportunities



Sourav Bera



Microsoft

Solution Architect @Microsoft |
Microsoft Intern FY'22 | Judge, Speaker,
Mentor | 4 Star CodeChef | Pupil at
Codeforces | SIH Winner | SOH Winner |
Postman Leader Advocate | CKA | CKAD
| Mentor at Coding Ninjas



Yeshwanth LM



databricks

Cloud and DevOps | ATSE at
Databricks | MCT | AWS
Community Builder | IEEE
Volunteer | Tech Speaker | Chair-
Elect, IEEE YP Bangalore
Section | IEEE STEM Champion

[Register Here >](#)



7TH JULY 2024 | MODE : ONLINE
SUNDAY | 7PM - 8PM



IEEE RSCOE Student Branch

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