

## IEEE Women in Engineering Madras Section Affinity Group

## 2024 Activity Report

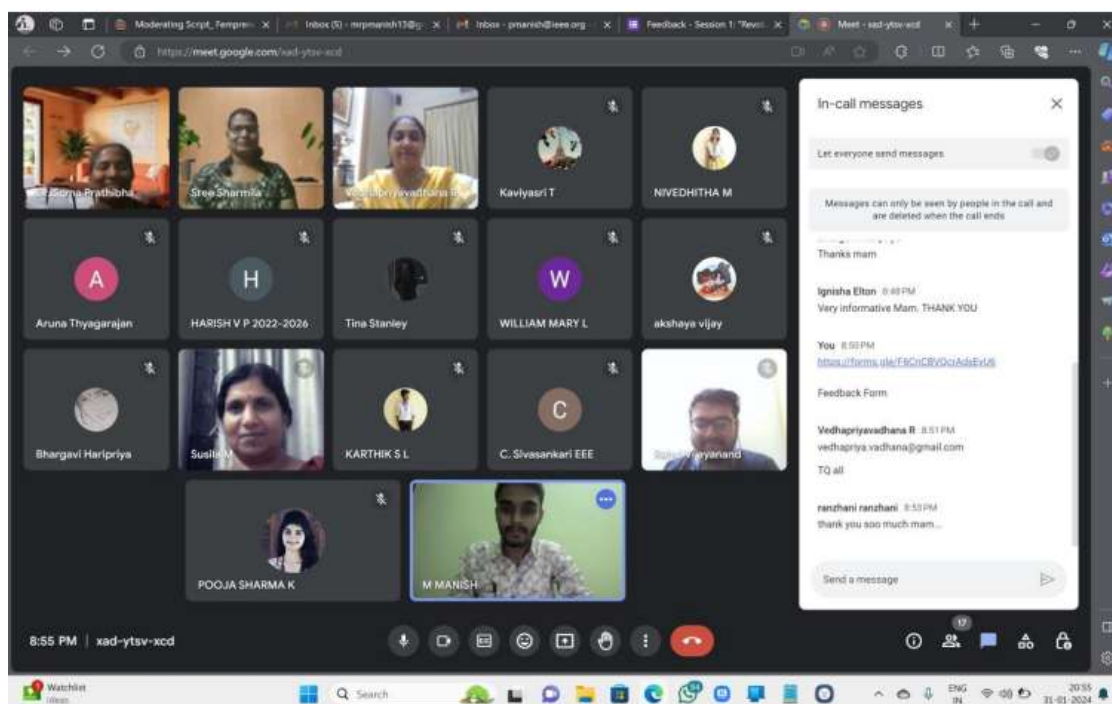
## Event 1: Webinar Series: EmpowerHer: WIE Knowledge Exchange

## Title: Revolutionize Healthcare - The Power of AI in Medicine

The initiative of IEEE WIE MAS AG, "EmpowerHer: WIE Knowledge Exchange," continued its impactful webinar series on 31st January, 2024, virtually gathering 25+ enthusiastic participants. To kick off this enlightening webinar series, IEEE WIE MAS welcomed an esteemed speaker, Dr. R. Vedhapriyavadhana, Assistant Professor Senior Grade 2 at VIT Chennai, with a captivating topic: "Revolutionize Healthcare - The Power of AI in Medicine."

The session commenced with a welcome address by Dr. T. Sree Sharmila, Chair, IEEE WIE MAS AG and the speaker Dr. R. Vedhapriyavadhana, delving into the transformative potential of Artificial Intelligence (AI) in the field of medicine. Participants were enlightened about the role of AI in healthcare innovation, including its applications in medical diagnosis, treatment planning, patient care, and research advancements. Dr. R. Vedhapriyavadhana provided insights into the latest developments in AI-driven healthcare technologies, showcasing how AI algorithms are revolutionizing medical practices and enhancing patient outcomes. Attendees gained a comprehensive understanding of the ethical considerations, challenges, and future prospects of AI integration in healthcare.

The webinar concluded with an insightful Q&A session, where participants had the opportunity to engage with Dr. R. Vedhapriyavadhana, seeking clarification on AI applications in healthcare and exchanging valuable perspectives. The event culminated with a memorable group photo, symbolizing the collective learning and inspiration shared during the EmpowerHer: WIE Knowledge Exchange webinar series.



## Event 2: Webinar Series: EmpowerHer: WIE Knowledge Exchange

### Title: Cyber Security in 360 Degree

IEEE Women in Engineering Madras Section Affinity Group organised a webinar series “EmpowerHer: WIE Knowledge Exchange” on 18th February 2024, virtually gathering 36+ enthusiastic participants. The session commenced with a welcome address by Dr. T. Sree Sharmila, Chair, IEEE WIE MAS AG and the speaker Dr. R. Maheswari, Director and Professor, Symbiosis Skills and Professional University, with a captivating topic: "Cyber Security in 360 degree".

In the cybersecurity session, the speaker Dr. Maheswari R, covered a lot of important topics like what cybersecurity is, the different kinds of online threats, how companies keep their systems safe, and what to do if something goes wrong. The speaker also discussed how to manage risks, what tools are used for security, and how to make sure only the right people can access certain information. The audience really enjoyed learning about these topics and found the discussion interesting. They felt more prepared to deal with cybersecurity issues after the session. The speaker wrapped up the session by organizing a fun activity: a crossword puzzle filled with clues about cybersecurity. Everyone got involved, sharing ideas and working together to solve the puzzle.



## Event 3: The International Women’s Day Celebration, MANGAI 3.0 at Jeppiaar Engineering College

The International Women’s Day Celebration, MANGAI 3.0, hosted by Jeppiaar Engineering College in collaboration with IEEE Women in Engineering Madras Section Affinity Group, was a resounding success. The event, held on 8<sup>th</sup> March, 2024, was a platform to celebrate the achievements of women and promote gender equality in the field of engineering.

The event kicked off with an array of innovative stalls set up by students, showcasing their creativity and ingenuity. The inauguration ceremony marked the official commencement of MANGAI 3.0, graced by esteemed guests and dignitaries. Mrs. Divya Swapnaraj, the Founder of Women League Foundation, delivered a thought-provoking keynote address, inspiring attendees with her insights and experiences.

Following a refreshing tea break, Dr. T. Sree Sharmila, Chair of IEEE Women in Engineering, Madras Section, and Associate Professor at the College of Engineering, Guindy, Anna University, took the stage to deliver another captivating keynote address on “IEEE WIE and its Benefits”. Her expertise and passion resonated with the audience, highlighting the importance of women's participation in engineering.

One of the highlights of the event was a spirited debate on the topic, "Women Independence: Rule or Ruin." The engaging discourse provided a platform for participants to voice their opinions and perspectives on this pertinent issue. The event continued with a networking session over lunch, providing attendees with the opportunity to connect and collaborate. WIE Talks by students added another layer of inspiration, as they shared their journeys and achievements in the field of engineering.

As the day progressed, the International Women's Day Celebration and Ceremony unfolded, celebrating the achievements and contributions of women in engineering. The event served as a reminder of the progress made towards gender equality, while also acknowledging the work that still lies ahead. In conclusion, MANGAI 3.0 was a testament to the dedication and commitment of Jeppiaar Engineering College and IEEE Women in Engineering MAS AG to promote gender diversity and inclusivity in the field of engineering. 175 student and professional members benefitted from the event. The event left attendees feeling inspired and empowered, ready to contribute towards a more equitable future.





## Event 4: Trailblazers Webinar Series

### Title: Shaping Tomorrow: Women Engineers Driving Innovation and Inclusion

The IEEE Women in Engineering (WIE) Madras Section Affinity Group organized a special webinar titled “*Shaping Tomorrow: Women Engineers Driving Innovation and Inclusion*” as part of the **Trailblazers Webinar Series** in celebration of **International Women’s Day 2024**. The event was held on **March 11, 2024, from 7:00 PM to 8:00 PM IST**, and featured **Ms. Celia Shahnaz**, Professor at the Bangladesh University of Engineering and Technology, and Chair of the 2023–2024 IEEE Women in Engineering Committee, as the keynote speaker.

The main objective of this webinar was to recognize and celebrate the achievements of women engineers and their contributions to building an inclusive and innovative future. The event aimed to inspire students, professionals, and educators through meaningful discourse on leadership, gender equity, and the global role of women in driving progress within STEM fields. The session commenced with a warm welcome by **Dr. Sree Sharmila T**, Chair of IEEE WIE MAS AG. Ms. Celia Shahnaz delivered an inspiring keynote address that included stories from her own journey in engineering leadership, along with global perspectives on the importance of creating inclusive environments and mentorship opportunities for women in technology. She emphasized the need for policy advocacy, skill development, and institutional support to empower future women leaders in engineering.

The webinar drew participation from over **48 attendees**, including students, IEEE members, and academic professionals. Attendees benefited from insights into global best practices and actionable strategies for enhancing diversity and inclusion in engineering fields. The event also helped foster a sense of community and commitment among participants to continue efforts toward gender equity. Overall, the session was well-received and sparked enthusiasm to plan similar future initiatives under the WIE banner.



IEEE Women in Engineering  
Madras Section Affinity Group  
organizes

**Trailblazers : Webinar Series**  
2024 International Women's  
Day Celebration

Title:  
**Shaping Tomorrow:  
Women Engineers  
Driving Innovation  
and Inclusion**

**Ms. Celia Shahnaz**  
Professor, FBE, Bangladesh University of Engineering and Technology  
Chair, 2023-2024 IEEE Women in Engineering Committee  
Chair, 2024 IEEE Computer Society Awards Committee Chair

Register Here

March 11, 2024  
7.00pm - 8.00pm IST

Dr. Soma Prathibha  
Vice Chair  
IEEE WIE MAS AG

Dr. Sree Sharmila T  
Chair  
IEEE WIE MAS AG

Dr. K. Porkumaran  
Chair  
IEEE Madras Section

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### Event 5: FemmeFusion : Driving Sustainable Empowerment Through Collaboration Creativity

On the celebration of IEEE WIE International Women's Celebration 2024, IEEE Kumaraguru College of Technology Student Branch in Collaboration with IEEE Women In Engineering Madras Section Affinity Group organized the event titled “FemmeFusion : Driving Sustainable Empowerment Through Collaboration Creativity” on March 11, 2024 with enthusiastic speaker, Ms. Nandhitha Kalyanasundaram, Secretary, IEEE Women In Engineering Madras Section AG.

The session highlighted the need to embrace oneself, how to embrace and how to face college placement and progress forward. The session was filled with energy, interaction, motivation, and ended up raising all the spirits. There was also engaging activity to realize their inner person. The event with 30+ participants came to an end with high spirit with a beautiful feedback session and a picture to reminisce back.



### Event 6:

#### WOMANSERA'23 – Way into Efficacy with Inrush of Energy

The IEEE Madras Section Women in Engineering (WIE) Affinity Group, in association with the IEEE Women in Engineering Affinity Group of St. Joseph's College of Engineering, organized a vibrant Women's Day Celebration on **March 11, 2024**, at the **AV Hall, Library Block** of St. Joseph's College of Engineering. The event, titled “*WOMANSERA'23 – Way into Efficacy with Inrush of Energy*”, was conducted from **10:00 AM to 3:00 PM IST** and witnessed enthusiastic participation from over **250 attendees**, including students, faculty, and professionals.

The celebration began with an inaugural session graced by **Mrs. Shiny Wilson**, the **Chief Guest**, who is a Padma Shri and Arjuna Awardee, a celebrated Indian athlete, and the General Manager at the Food Corporation of India, Chennai. Her inspiring address motivated the audience with insights drawn from her journey in sports and public service, emphasizing the importance of determination, perseverance, and breaking barriers.

The first keynote speaker, **Ms. J. Divya**, Head of the Department of Social Work and a practicing psychotherapist and trainer at Patrician College of Arts and Science, Chennai, delivered an impactful talk on “*Unveiling the Power Within: Exploring Women's Emotional*

*Intelligence.*” Her session highlighted the significance of emotional intelligence in enhancing women’s leadership abilities, self-awareness, and interpersonal relationships.



This was followed by the second keynote address by **Ms. Deepa Vijayaraghavan**, Director at PayPal and founder of the women entrepreneurship platform “Shevolve.” She spoke on the topic “*How to Build Personal Branding at Early Career*,” providing valuable guidance on self-presentation, professional networking, and crafting a unique identity in the early stages of one’s career. Her talk was especially beneficial for the student and early-career audience.

The event provided a powerful platform for empowering discussions and knowledge sharing focused on women’s development, leadership, and entrepreneurship. It concluded with an interactive Q&A session, group discussions, and a vote of thanks. The celebration was well-received and left participants inspired to strive for excellence and lead with confidence.

### Event 7: Trailblazers Webinar Series – Title: Strategies for Women in Engineering Leadership

As part of the 2024 International Women’s Day celebrations, the IEEE Women in Engineering (WIE) Madras Section Affinity Group organized a webinar under the *Trailblazers Webinar Series* on March 13, 2024, from 7:00 PM to 8:00 PM IST. The event aimed to inspire and empower women in the engineering domain by focusing on strategies for excelling in leadership roles.

The session was titled “**Strategies for Women in Engineering Leadership**” and featured an insightful talk by **Ms. Gresha Samarakody**, Chair of IEEE WIE Sri Lanka Section and Senior Lecturer & Head of the Department of Electrical & Electronics Engineering at CINEC Campus, Sri Lanka. Ms. Gresha shared her personal and professional journey, offering practical guidance on building leadership potential, overcoming barriers, and cultivating essential skills

such as confidence, communication, and resilience. Her talk resonated strongly with the attendees, particularly young professionals and students aspiring to take up leadership roles.

The event began with welcome remarks by **Dr. Sree Sharmila T**, Chair of IEEE WIE Madras Section Affinity Group, and **Dr. Soma Prathibha**, Vice Chair. **Dr. K. Porkumaran**, Chair of IEEE Madras Section, extended his support and encouragement for the initiative, highlighting the importance of such programs in creating equitable opportunities and representation in engineering.



The webinar concluded with a lively interactive session, where participants enthusiastically engaged with the speaker, asking relevant and thought-provoking questions. The session witnessed participation from over **56 attendees**, reflecting the high level of interest and relevance of the topic.

Overall, the event was a resounding success and aligned well with the mission of IEEE WIE to promote the leadership, visibility, and empowerment of women engineers and technologists across all levels.

## Event 8:

### Trailblazers Webinar Series: "2024 Technology Trends" on March 14, 2024

The IEEE Women in Engineering Madras Section Affinity Group, in association with the IEEE Madras Section, organized a webinar titled "2024 Technology Trends" on March 14, 2024, from 7:00 PM to 8:00 PM IST as part of the Trailblazers Webinar Series celebrating International Women's Day. The session featured Ms. Jyotika Athavale, President of the IEEE Computer Society and Director of Engineering Architecture at Synopsys, who shared valuable insights into emerging technologies including AI, quantum computing, and secure architecture. A total of 34 participants attended the session, which highlighted leadership in technology and future-ready skills for women in STEM. The event was coordinated by Dr. Sree Sharmila T (Chair, IEEE WIE MAS AG), Dr. Soma Prathibha (Vice Chair, IEEE WIE MAS AG), and Dr.



K. Porkumaran (Chair, IEEE Madras Section). The webinar was well received and marked a strong beginning to the WIE Madras Section's 2024 initiatives.



## Event 9:

### Event Report: Webinar Series “EmpowerHer – WIE Knowledge Exchange”

The IEEE Women in Engineering (WIE) Madras Section Affinity Group, in collaboration with IEEE Madras Section, organized a webinar titled “*A Day in the Life of a Deep Learning Compiler Engineer*” under the *EmpowerHer: WIE Knowledge Exchange* series on April 13, 2024, from 6:30 PM to 8:30 PM IST. The distinguished speaker for the session was Ms. Pavani Majety, Senior Deep Learning Compiler Engineer at NVIDIA Corporation. The session attracted 43 participants and provided an in-depth perspective into the career journey, challenges, and responsibilities of professionals in the AI and deep learning domain.

#### Objectives of the Event:

- To provide insights into emerging career paths in AI and deep learning.
- To create awareness among students and early-career professionals about deep learning compiler roles.
- To inspire women engineers by showcasing real-world experiences from leading tech professionals.

#### Impact of the Event:

- The session enhanced participants' understanding of cutting-edge roles in AI and deep learning.
- It motivated students to pursue advanced studies and careers in AI-related fields.
- The interaction helped bridge academia and industry, fostering mentorship and professional growth among WIE members.



The event was coordinated by Dr. Sree Sharmila T (Chair, IEEE WIE MAS AG), Dr. Soma Prathibha (Vice Chair, IEEE WIE MAS AG), and Dr. K. Porkumaran (Chair, IEEE Madras Section). The webinar was highly appreciated for its relevance and inspirational value.



## Event 10:

### Event Report: EmpowerHer: WIE Knowledge Exchange – IEEE WIE & IEEE R10 WIE Awards Awareness

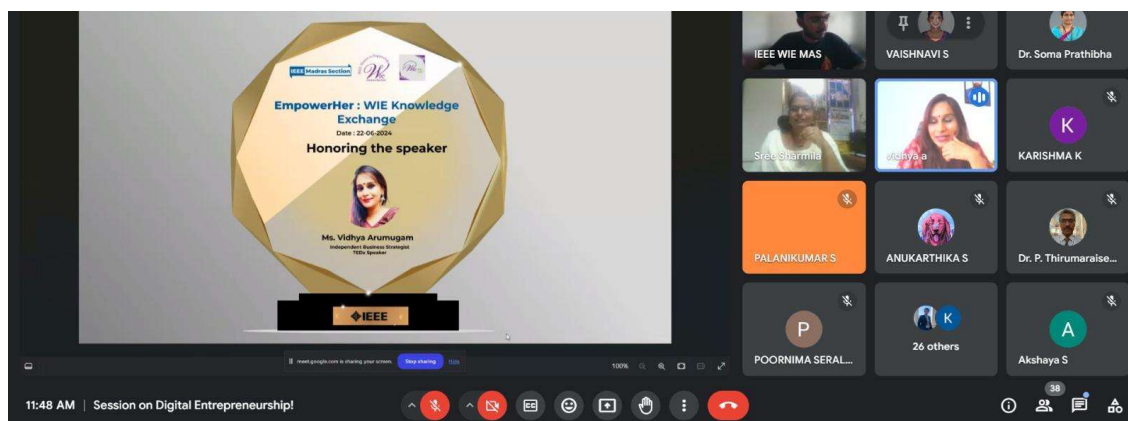
The IEEE Women in Engineering (WIE) Madras Section organized a virtual session titled “*EmpowerHer: WIE Knowledge Exchange – IEEE WIE & IEEE R10 WIE Awards Awareness*” on May 20, 2024, from 7:00 PM to 8:00 PM IST. The event aimed to create awareness about various IEEE WIE and IEEE Region 10 WIE awards and recognition opportunities. The session featured insightful presentations by Dr. Agnes Irwanti, Chair of IEEE WIE R10, and Prof. Norliza Mohd Noor, Advisory Committee Member (DEI), IEEE R10 WIE. Dr. Irwanti elaborated on the award categories, eligibility criteria, and application procedures, while Prof. Noor emphasized the importance of diversity, equity, and inclusion in WIE initiatives. The session was well-coordinated by Dr. Sree Sharmila T, Chair of IEEE WIE MAS AG, with support from Ms. Pooja Sharma, Treasurer, and was graced by opening and closing remarks from Dr. K. Porkumaran, Chair of IEEE Madras Section. Attended by 42 participants, the event concluded on an encouraging note, motivating attendees to actively participate in the nomination and award process.



## Event 11:

### Event Report: IEEE WIE DAY 2024: Session on Digital Entrepreneurship

On June 22, 2024, the IEEE Women in Engineering (WIE) Madras Section commemorated IEEE WIE Day 2024 by organizing a special session focused on Digital Entrepreneurship. The webinar featured Ms. Vidhya Arumugam, an Independent Business Strategist and TEDx Speaker, who shared her valuable insights and experiences on entrepreneurship in the digital age. Ms. Vidhya provided practical strategies for success in digital entrepreneurship, including: Building a strong online presence through professional websites and social media engagement, investing in digital marketing strategies like SEO, PPC, content marketing, and influencer partnerships and Prioritizing user experience and leveraging technology to enhance it. She shared examples of successful digital entrepreneurs and companies such as Amazon, Canva, Shopify, and Stripe, highlighting their customer obsession, innovation, and strategic use of technology. Approximately 50 participants attended, showcasing a keen interest in digital entrepreneurship.



## Event 12:

### A webinar titled “Winning with WIE – Opportunities and Benefits”

On the occasion of IEEE Women in Engineering Day 2024, the IEEE Madras Section, in collaboration with IEEE Madras WIE AG, IEEE Madras Young Professionals AG, Panimalar Engineering College, and Panimalar Institute of Technology, organized a webinar titled *“Winning with WIE – Opportunities and Benefits”* on July 4, 2024, from 6:00 PM to 7:00 PM IST. The session featured Dr. S. Harivardhini, Chair of IEEE WIE Hyderabad Section (2024, 2023) and Head of the EIE Department at CVR College of Engineering, Hyderabad. The primary objective of the webinar was to raise awareness about the various professional and leadership development opportunities available through IEEE Women in Engineering, and to encourage young women professionals and students to actively participate in WIE initiatives. Dr. Harivardhini shared her personal journey, detailed the benefits of WIE engagement, and emphasized the importance of networking, leadership, and recognition through awards. The webinar had a significant impact by inspiring participants to leverage WIE platforms for career growth and community contribution.



### Event 13:

#### Webinar on “Multimedia in the Era of Disinformation”

To commemorate IEEE Women in Engineering Day 2024, the IEEE Madras Section, in association with IEEE Madras WIE AG, IEEE Madras Young Professionals AG, Panimalar Engineering College, and Panimalar Institute of Technology, organized an insightful webinar titled *“Multimedia in the Era of Disinformation”* on July 5, 2024, at 6:00 PM IST. The session featured Dr. Anjali Diwan, Secretary of IEEE Gujarat Section, Senior Representative of IEEE R10 SAC, and a distinguished professor at Marwadi University, Gujarat. With a participation of 63 attendees, the webinar aimed to address the growing concerns surrounding the misuse of multimedia platforms in spreading disinformation, and to educate students and professionals on identifying credible sources and promoting digital literacy. Dr. Diwan's engaging presentation highlighted real-world examples and offered strategies for media awareness and responsible content sharing. The session had a profound impact by enhancing the participants' understanding of the ethical use of multimedia and the societal role of engineers in combating misinformation.

IEEE Madras Section,  
IEEE Madras WIE AG, IEEE Madras Young Professionals AG,  
Panimalar Engineering College & Panimalar Institute of Technology  
Presents a webinar on  
**MULTIMEDIA IN THE ERA OF DISINFORMATION**  
On the Occasion of  
**IEEE Women In Engineering Day 2024**

**Dr. Anjali Diwan**  
Secretary, IEEE Gujarat Section Senior Representative, IEEE R10 SAC,  
Secondary Representative of IEEE Computer Society of IEEE CEDA,  
Professor, Marwadi University, Gujarat

DATE: 5 July, 2024 TIME: 6 PM IST

Student Coordinators: Logashree S. Hari Priya K., Narmadha K. Poovarasani P.  
Mr. M. Arun Chairman, IEEE MAS YP  
Convener: Dr. S. Rajakumar, HOD | ECE

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## Event 14:

### A webinar titled “AI and Deep Learning for 4IR Technologies”

As part of the IEEE Women in Engineering Day 2024 celebrations, the IEEE Madras Section, in collaboration with IEEE Madras WIE AG, IEEE Madras Young Professionals AG, Panimalar Engineering College, and Panimalar Institute of Technology, conducted a webinar titled “*AI and Deep Learning for 4IR Technologies*” on July 6, 2024, at 7:00 PM IST. The session was led by Dr. Celia Shahnaz, Professor in the Department of EEE at BUET, Bangladesh, and the 2023–24 IEEE Women in Engineering Committee Chair. The objective of the webinar was to provide insights into the role of Artificial Intelligence and Deep Learning in enabling Fourth Industrial Revolution (4IR) technologies, and to encourage women engineers and young professionals to embrace and innovate within these emerging fields. With 74 participants in attendance, the session proved to be highly impactful by fostering awareness on cutting-edge technological advancements and their societal applications. Dr. Shahnaz’s expert insights inspired attendees to explore AI-driven solutions for global challenges.

IEEE Madras Section,  
IEEE Madras WIE AG, IEEE Madras Young Professionals AG,  
Panimalar Engineering College & Panimalar Institute of Technology  
Presents a webinar on  
**AI AND DEEP LEARNING FOR 4IR TECHNOLOGIES**  
On the Occasion of  
**IEEE Women In Engineering Day 2024**

**Dr. Celia Shahnaz**  
Professor, Dept. Of EEE, BUET, Bangladesh,  
2023-24 IEEE Women In Engineering Committee Chair

DATE: 6 July, 2024 TIME: 7 PM IST

Student Coordinators: Nirosha, Narmadha K., Poovarasani P. Hari Priya K.  
Mr. M. Arun Chairman, IEEE MAS YP  
Convener: Dr. S. Rajakumar, HOD | ECE

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**Event 15:****Webinar titled “Engineering Leadership and the Future of Work”**

On the occasion of IEEE Women in Engineering Day 2024, the IEEE Madras Section, along with IEEE Madras WIE AG, IEEE Madras Young Professionals AG, Panimalar Engineering College, and Panimalar Institute of Technology, organized a thought-provoking webinar titled “*Engineering Leadership and the Future of Work*” on July 8, 2024, at 7:00 PM IST. The session was delivered by Mrs. Leslie Martinich, IEEE Distinguished Lecturer and Founder and President of Competitive Focus, who also serves as Lead Faculty for the Engineering Leadership Certificate Program at the University of Texas at Austin. The primary objective of the webinar was to explore the evolving landscape of leadership in engineering and its critical role in shaping the future workforce. With 52 enthusiastic participants, the event successfully shed light on essential leadership skills, adaptability, and innovation in a rapidly changing technological world. Mrs. Martinich’s insights motivated attendees to develop leadership competencies and embrace future-ready mindsets.

**Event 16:****Webinar on “Women in Smart Cities”**

As part of the IEEE Women in Engineering Day 2024 celebrations, the IEEE Madras Section, in association with IEEE Madras WIE AG, IEEE Madras Young Professionals AG, Panimalar Engineering College, and Panimalar Institute of Technology, conducted an insightful webinar on “*Women in Smart Cities*” on July 9, 2024, at 7:00 PM IST. The session featured Dr. Surekha Deshmukh, Chairman of the IEEE Pune Section and an expert in the power market, smart grid, renewable sector, uncertainty management, and electricity policy analysis. The objective of the session was to explore the role of women in shaping and contributing to the development of smart cities through sustainable technologies and inclusive leadership. With 47 participants in attendance, the event highlighted the importance of integrating gender perspectives in urban planning and technology-driven solutions. Dr. Deshmukh’s expertise and engaging discourse inspired participants to consider careers in smart infrastructure and sustainability.

IEEE Madras Section,  
IEEE Madras WIE AG, IEEE Madras Young Professionals AG,  
Panimalar Engineering College & Panimalar Institute of Technology  
Presents a webinar on  
**WOMEN IN SMART CITIES**  
On the Occasion of  
**IEEE Women In Engineering Day 2024**

**Dr. Surekha Deshmukh**  
Chairman IEEE Pune Section, Expert in Power Market,  
Smart Grid, Renewable Sector, Uncertainty Management and  
Electricity Policy Analyst

DATE: 9 July, 2024 TIME: 7 PM IST

Student Coordinators: Shanthini M, Monisha P, Kamaladevi P  
Mr. M. Arun, Chairman, IEEE MAS YP  
Convenor: Dr. S. Rajakumar, HOD | ECE

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## Event 17:

### Webinar on “Semiconductor Technology: India Roadmap”

On the occasion of IEEE Women in Engineering Day 2024, the IEEE Madras Section, along with IEEE Madras WIE AG, IEEE Madras Young Professionals AG, Panimalar Engineering College, and Panimalar Institute of Technology, organized a webinar on “*Semiconductor Technology: India Roadmap*” on July 11, 2024, at 6:00 PM IST. The session was led by Dr. Usha Mehta, WIE Chair of the IEEE Gujarat Section and Professor & Head (EC) at the Institute of Technology, Nirma University, Gujarat. The objective of the session was to enlighten participants about the strategic roadmap of India’s semiconductor ecosystem, focusing on innovation, infrastructure, and the critical role women play in advancing the sector. With 36 participants, the webinar had a significant impact by enhancing awareness about India's growing semiconductor industry and inspiring attendees to contribute to this pivotal field.

IEEE Madras Section,  
IEEE Madras WIE AG, IEEE Madras Young Professionals AG,  
Panimalar Engineering College & Panimalar Institute of Technology  
Presents a webinar on  
**SEMICONDUCTOR TECHNOLOGY: INDIA ROADMAP**  
On the Occasion of  
**IEEE Women In Engineering Day 2024**

**Dr. Usha Mehta**  
WIE Chair, IEEE Gujarat Section  
Professor and Head (EC) - Institute Of Technology, Nirma University, Gujarat

DATE: 11 July, 2024 TIME: 6 PM IST

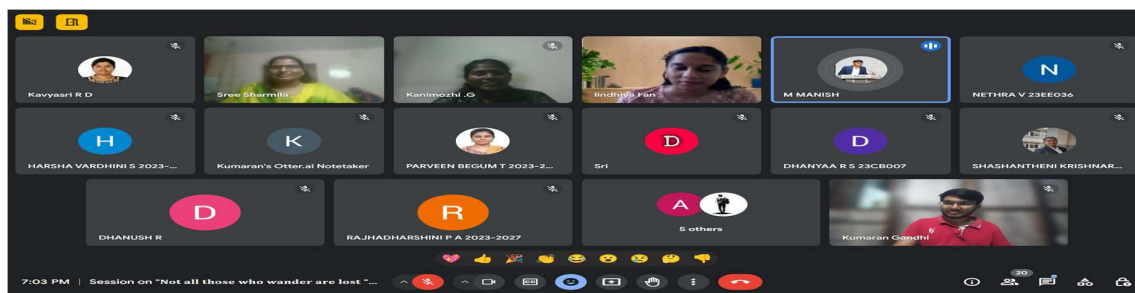
Student Coordinators: Shiksha M, Sachitha Sree, Narmada K  
Mr. M. Arun, Chairman, IEEE MAS YP  
Convenor: Dr. S. Rajakumar, HOD | ECE

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**Event 18:****IEEE WIE DAY 2024: 'Not All Those Who Wander Are Lost'**

On July 12, 2024, the IEEE Women in Engineering (WIE) Madras Section celebrated IEEE WIE Day 2024 with a special session titled "Not All Those Who Wander Are Lost." The webinar featured Ms. Lindhiya L An, AIR 354 in UPSC CSE 2023, who shared her inspiring journey and insights on career, self-discovery, and perseverance. Ms. Lindhiya shared her journey from being a top student to a McKinsey consultant and eventually a successful UPSC aspirant. She emphasized the importance of dedication, perseverance, passion, and self-discovery. She discussed the significance of bridging the gap between ideal and real-world scenarios and the value of taking professional help and networking. Ms. Lindhiya shared personal stories of setting goals and connecting the dots in her life. She spoke about discovering her strengths and passions through self-reflection and seeking advice from peers and mentors. Her journey of random activities and lack of purpose led to meaningful experiences that shaped her career path. She highlighted the importance of dreaming big, thinking without constraints, and aiming for the highest level of achievement. Ms. Lindhiya encouraged participants to be flexible and adapt to changes in life, sharing how she overcame confusion and fear to identify her career goals. The webinar featured an interactive segment where participants engaged with Ms. Lindhiya, asking questions and sharing their thoughts. Approximately 40 participants attended the webinar, showcasing a keen interest in the topic and benefiting from the speaker's inspiring journey.

**Event 19:****Webinar titled "Let's Talk Taxes"**

The IEEE Women in Engineering Affinity Group, Madras Section, organized a webinar titled "Let's Talk Taxes" on July 26, 2024, from 6:30 PM to 7:30 PM IST via Google Meet. The session featured Ms. Soumya, Deputy Commissioner, GST Policy Wing, Ministry of Finance, as the speaker. The primary objective of the event was to demystify the Indian taxation system and enhance awareness among professionals, students, and faculty members about GST policies, compliance essentials, and recent updates. With 45 participants in attendance, the webinar made a meaningful impact by fostering financial literacy and encouraging informed participation in tax-related matters. The session was well-coordinated under the leadership of Dr. Sree Sharmila T (Chair, IEEE WIE MAS AG), Dr. Soma Prathibha (Vice Chair, IEEE WIE MAS AG), and Dr. K. Porkumaran (Chair, IEEE Madras Section), and received positive feedback for its relevance and clarity.

IEEE Madras Section

IEEE WOMEN IN ENGINEERING AFFINITY GROUP  
MADRAS SECTION

ORGANISES

WEBINAR ON  
**LET'S TALK TAXES**

6.30PM - 7.30PM (IST)

July 26, 2024

GMEET

Scan To Register

**Ms. Soumya**  
Deputy Commissioner  
GST Policy Wing,  
Ministry of Finance

**Dr. Soma Prathibha**  
Vice Chair  
IEEE WIE MAS AG

**Dr. Sree Sharmila T**  
Chair  
IEEE WIE MAS AG

**Dr. K. Porkumaran**  
Chair  
IEEE Madras Section

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## Event 20:

### Webinar on “The Road Not Taken – Women in Aviation”

The IEEE Women in Engineering Madras Section successfully conducted a webinar titled “*The Road Not Taken – Women in Aviation*” on August 15, 2024, from 6:00 PM to 7:00 PM IST. As part of its inspiring series highlighting unconventional career journeys, this session featured Ms. Divya Manchanda, Chief of Airworthiness at The ePlane Company and a former pilot at Jet Airways, who also represented India in eVTOL 2023. The objective of the session was to spotlight the inspiring journey of women in the aviation sector, motivate young professionals and students to explore diverse career paths, and challenge gender stereotypes in traditionally male-dominated fields. Attended by 32 participants, the session offered rich insights into the evolving landscape of aviation and encouraged attendees to pursue their passions with courage. Led by Dr. Sree Sharmila T (Chair, IEEE WIE MAS AG), Dr. Soma Prathibha (Vice Chair, IEEE WIE MAS AG), and Dr. K. Porkumaran (Chair, IEEE Madras Section), the session was lauded for its engaging content and impactful storytelling.

IEEE Madras Section

IEEE WOMEN IN ENGINEERING MADRAS SECTION

ORGANISES

WEBINAR SERIES ON  
**THE ROAD NOT TAKEN**

SESSION BY  
**WOMEN IN AVIATION**

Aug 15, 2024 | 6pm - 7pm IST

SCAN TO REGISTER

**Ms. Divya Manchanda**  
Chief of Airworthiness,  
The ePlane Company  
Represented India as women in  
eVTOL 2023  
Ex - pilot Jet Airways

**Dr. Soma Prathibha**  
Vice Chair  
IEEE WIE MAS AG

**Dr. Sree Sharmila T**  
Chair  
IEEE WIE MAS AG

**Dr. K. Porkumaran**  
Chair  
IEEE Madras Section

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**Event 21:****Connecting the Dots 3.0 – September 4, 2024**

IEEE Madras Section Women in Engineering Affinity Group organized "Connecting the Dots 3.0" in collaboration with IEEE St. Joseph's College of Engineering Women in Engineering Affinity Group, on 4th September 2024. The event took place from 9:00 AM to 3:00 PM in Basil hall, featuring various student branches in participation. The program included a speaker session, student branch presentations, and a student speaker session.



The event was inaugurated with a lighting ceremony led by distinguished guests, including Dr. T. Sree Sharmila (Chair - IEEE MAS WIE AG), Dr. Jayarama Pradeep (Executive Member - IEEE MAS WIE AG), Mr. Niranjana Kumar (Executive Member - IEEE MAS WIE AG), and Ms. Abinaiya Sri (Executive Member - IEEE MAS WIE AG). Keynote addresses were delivered by Mrs. Kavitha Anbarasu (Director H1 at Toastmasters Club) and Mrs. Vijaya Sanchana Reddy (Software Architect at Vantiva).

Following the keynote sessions, student branches presented their Student Branch Presentation, and student speakers shared their insights and personal journeys with IEEE. The event concluded with a valedictory ceremony where two winners were awarded certificates and books: Pannimalar Engineering College and KPR Institute of Technology, Coimbatore. The second prize was secured by St. Joseph's College of Engineering, and Jeppiar College of Engineering won third place. Special mentions were given to Sairam College of Engineering and Vel Tech. Certificates were awarded to all participants, and mementos and books were presented to the guests as tokens of gratitude.

"Connecting the Dots 3.0" successfully brought together a vibrant community of students and professionals, providing a platform for knowledge-sharing and networking. The event promoted collaboration among various student branches, encouraging them to present innovative ideas and share their experiences. It also highlighted the importance of leadership, teamwork, and personal growth within IEEE, particularly in the Women in Engineering community. Participants gained valuable insights into career development, and the event strengthened the bond between student branches and IEEE professionals.

## Event 22:

### IEEE Women in Engineering International Leadership Summit Chennai 2024

The IEEE Women in Engineering International Leadership Summit Chennai 2024, hosted by the IEEE WIE Madras Section Affinity Group, unfolded with high energy from October 3-5, 2024. This three-day summit celebrated diversity, innovation, and leadership, kicking off with an inspiring inauguration ceremony on October 3, 2024. Esteemed dignitaries graced the stage, including the Guest of Honour, Ms. Soumya A, Deputy Commissioner, GST Policy Wing, Department of Revenue, Ministry of Finance, Government of India, alongside Mr. Mohanbabu Balachandran, Technology Head & VP - IT at Mr. Cooper; Dr. P. Sakthivel, Vice Chair-Academics, IEEE Madras Section; Dr. R. Velraj, Former Vice Chancellor, Anna University; Dr. K. S. Easwarakumar, Dean, College of Engineering, Guindy, Anna University; and Dr. T. Sree Sharmila, Program Chair of IEEE WIE ILS Chennai and Chair of IEEE WIE Madras Section. The inaugural concluded with a vibrant cultural showcase, setting a lively tone for the summit. An IEEE Day celebration added further joy, underscoring the global impact of technology and innovation.

The IEEE WIE ILS Chennai 2024 was a remarkable success, made possible by the invaluable support of our sponsors, partners, and dedicated volunteers. The Sponsors, *Mr. Cooper* and *IEEE Women in Engineering*, were instrumental in empowering the summit. The *Start-up Spirit Track* was sponsored by the *IEEE Computer Society*, while the *Tech for Good* track received essential support from the *IEEE Humanitarian Technologies Board*. Additional sponsors included the *IEEE TAB Committee on Standards*, *IEEE Madras Section*, and *IEEE Young Professionals Madras Section*, whose contributions greatly enhanced the summit's reach and impact. The event was further enriched by our Knowledge Partner, *Infosys TechCOHere*, and the unwavering support of the Host Partner, the *IEEE Student Branch of College of Engineering Guindy, Anna University*, played a fundamental role in the smooth and successful execution of the summit.

#### Day 1: October 3, 2024

The opening day featured insightful talks by leaders in technology. Ms. Jinu George, Senior Operations Manager (Data) at Amazon Web Services, delivered a powerful keynote on "Resilience at the Workplace". Her talk stressed the importance of adaptability and emotional intelligence in handling workplace challenges. Ms. Jinu shared practical strategies for fostering resilience to excel in dynamic environments.

Following her, Ms. Lakshmi Balakrishnan, VP-Product Management at Mr. Cooper, presented on "Product Building". Drawing from her experience, she outlined the lifecycle of product development—from ideation through execution. Emphasizing customer-centric design and

agile methodologies, she provided attendees with insights into building products that meet market demands.

A standout panel, "Empowering Digital Innovators of Tomorrow", brought together prominent voices from technology and talent management. The panel included Mr. Victor Sundararaj, Associate Vice President at Infosys Limited; Dr. Ramalatha Marimuthu, Director of iExplore Foundation; Ms. Suganya Veeraraghavan, AVP-Talent Acquisition at Mr. Cooper; and Meenakshi Subramanian, Senior Principal Architect at Mr. Cooper, with moderation by Dr. Nirmal, an Execom Member of IEEE Madras Section. They discussed how interdisciplinary skills and collaboration between technology and leadership are essential to drive digital innovation.

The day concluded with an inspiring keynote by Ms. Preethi Sankkari, Vertical Head, A&H Psychosomatic Health Director & Core Team at Antano & Harini - Legacy Accelerators. Her talk, "Think Integrated Life Outcomes not work-life balance", encouraged participants to think beyond traditional work-life balance and instead adopt a holistic approach that integrates personal and professional goals for long-term success and fulfillment.

An engaging YP session wrapped up the first day, featuring panelists Mr. Arun M, Chair of IEEE MAS YP; Mr. Aravindhan, Past Chair of IEEE MAS YP; Mr. Abdul Halik, Secretary of IEEE MAS YP; and Ms. Indhumathi, Treasurer of IEEE MAS YP. This interactive session fostered connections and shared insights for young professionals to excel in their careers while contributing to the IEEE community.

## **Day 2: October 4, 2024**

Day 2 began with a keynote from Mr. Gowtham Vudaigiri, AVP-Engineering at Mr. Cooper, on "Transforming Lives with Tech Innovations (Tech for Good)". He highlighted the role of engineering in addressing societal challenges, sharing real-world examples of how technology is being leveraged to improve health, education, and infrastructure, while emphasizing the importance of purpose-driven innovation.

Mr. Srikanth Chandrasekaran, Country Head & Sr. Director - IEEE India, presented a session titled "Why Standards Matter: Importance and Impact of IEEE SA Standards on Emerging Technologies". His talk provided an in-depth look into the technical, ethical, and strategic roles that standards play in ensuring the long-term viability of innovations across industries. Following this, Dr. Celia Shahnaz, Chair of the IEEE WIE Committee and Professor at BUET, highlighted AI's tremendous potential to empower women, drive progress, and create a safer environment.

The breakout sessions were interactive and thematic. The "StartUp-Spirit" session titled "Start-up Strategies: Idea to Execution" featured Ms. R. Radha, Founder & CEO of Spikra Private Limited; Dr. Ramalatha Marimuthu, Director of iExplore Foundation; and Dr. Arthi Ram, Head of Operations at MCC MRF Innovation Park, with moderation by Mr. Aravindhan Anbazhagan. They shared insights into entrepreneurial journeys from concept to execution. Meanwhile, the "EmpowerED" session, titled "The Power of Women in Technology and Business," explored fostering diverse, inclusive workplaces. Speakers included Ms. Lakshmi Balakrishnan, VP-Product Management at Mr. Cooper; Ms. Suganya Veeraraghavan, AVP-Talent Acquisition at Mr. Cooper; Ms. Priya Sathish Dev, Senior Delivery Manager at Infosys Limited; and Dr. S. Radha, Treasurer of IEEE Madras Section & Vice Principal of SSN College

of Engineering, with Dr. Brindha, Track Chair and Execom Member of IEEE Madras Section, moderating the discussion.

Parallel sessions continued with two remarkable panel discussions. The "Tech4Good" session, titled "Building a Sustainable Future with Tech", focused on using technology for social impact. Panelists included Ms. Sagaya Angelin, Founder of The Roberts Charitable Trust; Mr. Mohanbabu Balachandran, Technology Head & VP - IT at Mr. Cooper; and moderator Dr. Soma Prathibha, Vice-Chair of IEEE MAS WIE AG. This session underscored the role of innovation in addressing global challenges. In the "LeadHERship" track, titled "Leading with Purpose in a Changing Environment", Ms. Preethi Chandrasekaran, Manager - HRBP at Mr. Cooper; Ms. Geetha M, Senior Engineering Manager (MEP) at L&T Construction; and Dr. T. Sree Sharmila, Chair of IEEE Madras Section, discussed the importance of adaptability, vision, and values-driven leadership with moderator Mr. Mithresh, Execom Member of IEEE MAS YP.

Later, the ILS featured an inspiring keynote from Mr. Mohanbabu Balachandran, Head & VP - IT at Mr. Cooper, on "AI and Tech for Good – Shaping a Better Future". He emphasized the role of AI in optimizing processes and creating sustainable solutions for a brighter future.

Ms. Jayalakshmi, VP-Engineering at Mr. Cooper, led a session on "Digital Transformation", discussing the shift from traditional operations to data-driven, technology-centric processes. Mr. Chandra Nandakumar, Associate VP at Infosys Limited, spoke on "Empowering Women in Engineering and Technology", addressing both challenges and opportunities. Dr. Edward Au, Senior Expert at Huawei Technologies Canada and Chair of the IEEE TAB Committee on Standards, delivered a compelling session on the "Importance of Standards and Their Impact on Academia and Industry".

To promote well-being, Dr. S. Jayaprakash, Principal of Vethathiri Maharishi College of Yoga, led a yoga session that introduced simple, effective techniques participants could perform while seated.

The day concluded with vibrant cultural performances that celebrated the diversity and creativity of the participants and members, marking an uplifting end to an enriching day.

### **Day 3: October 5, 2024**

On the final day, participants engaged in Idea and Poster Presentations, showcasing innovations in technology and problem-solving. The juries provided valuable feedback, emphasizing the importance of creativity and real-world applicability.

Dr. Dilrukshi Gamage from the University of Colombo School of Computing delivered an impactful talk titled "From Barriers to Breakthroughs: How Women in STEM Lead the Charge in a Digital World", discussing the challenges women face and the opportunities they create in STEM fields. Following this, Mr. Hari Krishnan, Director and Core Team Co-founder of A&H Trajectory Acceleration at Antano & Harini Legacy Accelerators, shared insights on legacy building, encouraging attendees to take charge of their personal and professional paths through strategic decision-making.

The panel discussion titled "Sustainable Product Engineering for a Better Tomorrow" featured Mr. Mohanbabu Balachandran, Technology Head & Vice President - IT at Mr. Cooper, and



Mr. Murali Chellamuthu, Senior Technology Architect at Infosys Limited, and Dr. Geetha Raju, Senior Policy Analyst - AI and Data, Centre for Responsible AI, IIT Madras with Dr. Harivardhagini as the moderator. This session explored the intersection of engineering, innovation, and environmental responsibility.

The summit concluded with a valedictory ceremony, graced by distinguished guests including Ms. Vanitha Venugopal, Chief Executive Officer of the Tamil Nadu Technology Hub (iTNT); Mr. Mohanbabu Balachandran, Technology Head & Vice President - IT at Mr. Cooper; and Mr. Madhanraj J, Associate Vice President at Infosys Limited. They expressed their gratitude to the volunteers and participants, highlighting the role of leadership in advancing technology for the betterment of society; and Dr. T. Sree Sharmila, Program Chair, delivered the vote of thanks and honored the volunteers.

The IEEE WIE ILS Chennai 2024 witnessed enthusiastic participation, with 120 attendees, 50 dedicated volunteers, and 40 esteemed speakers contributing to the event's success. The summit received highly positive feedback from participants, who appreciated the valuable insights, engaging sessions, and networking opportunities it provided. The collaborative efforts of the speakers, volunteers, and organizing team fostered an inspiring and impactful experience for all.

As a positive outcome of the event, Mr. Harikrishnan joined as an IEEE and WIE member, inspiring many students and professionals to embark on their new journey with IEEE.

Day 1 (October 3, 2024)





Day 2 (October 4, 2024)



Day 3 (October 5, 2024)







### Event 23:

#### 10th IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering 2024 (IEEE WIECON-ECE 2024)

IEEE Madras Section WIE Affinity Group, IEEE Bangladesh Section, and IEEE Bangladesh Section WIE Affinity Group, have collaboratively organized the 10th IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering 2024 (IEEE WIECON-ECE 2024). This prestigious conference will be hosted at the College of Engineering, Guindy, Anna University, Chennai, India, on December 6-7, 2024.

The conference was inaugurated with a distinguished lineup of speakers and guests. Prof. E. S. Easwara Kumar, Dean of the College of Engineering Guindy, Anna University, delivered the welcome address, setting the tone for the event. Prof. Celia Shahnaz, General Chair, and Prof. Shaikh A. Fattah, Technical Program Chair, provided insights into WIECON-ECE's objectives and technical aspects. The organizing chair, Prof. Mohammed Moshul Hoque, along with eminent guests of honor, Prof. K. Porkumaran, Chair of IEEE Madras Section; Prof. P. Sakthivel, Vice-Chair (Academics) of IEEE Madras Section; and Ms. Tanima Tasmin Chowdhury, Chair of IEEE Bangladesh Section WIE Affinity Group, graced the occasion. Prof. Sree Sharmila T., General Chair, concluded the inaugural session with a vote of thanks.

The event featured keynote addresses by renowned speakers from diverse fields, including: Dr. Sherin M. Youssef, Arab Academy for Science & Technology, Egypt; Dr. Shayla Islam, UCSI University, Malaysia; Dr. Gita Pendharkar, Monash University, Australia; Dr. Manisha Guduri, University of Louisiana at Lafayette, USA; Dr. Ir. Neeli Prasad, Smart Avatar B.V., Netherlands; Dr. Fabia Farlin Athena, Stanford University, USA; Dr. Dhivya Sampath Kumar, Singapore Institute of Technology, Singapore; Dr. Adil Usman, Varroc Engineering Limited, Pune, India.

The technical program attracted significant global participation, receiving a total of 306 papers. Following a rigorous double-blind review process, 118 papers were accepted, representing 38% of the submissions. Of these, 84 papers (27%) were registered for presentation, with 54 session chairs facilitating the presentations.

The conference saw participation from five countries, including India, Bangladesh, USA, Norway, and South Korea. Papers were submitted by researchers from prominent institutions such as the Texas State University, USA, Prairie View A & M University, USA, West Virginia University, USA, Arkansas State University, USA, University of Chittagong, North South University, Norwegian University of Science and Technology, Norway, Kyungpook National University, South Korea, Chittagong University of Engineering and Technology, National Institute of Technology (Puducherry and Trichy), Indira Gandhi Centre for Atomic Research (IGCAR), Amrita Vishwa Vidyapeetham, and Jadavpur University, among others.

IEEE WIECON-ECE 2024 promises to provide a significant platform for advancing research, fostering innovation, and celebrating the achievements of women in engineering worldwide. Over 250 participants benefited from this conference.



**Reported by**  
**Dr. T. Sree Sharmila**  
**Chair, IEEE Women in Engineering Madras Section (2023-2024)**