Sabaragamuwa University of Sri Lanka
IEEE Student Branch

ANNUAL PLAN (2024 - 2025)

IEEE WOMEN IN ENGINEERING STUDENT BRANCH AFFINITY GROUP
SABARAGAMUWA UNIVERSITY OF SRI LANKA

Contents

01.Introduction

As we embark on the journey of a new term, we are thrilled to present the annual plan of the IEEE WIE Student Branch Affinity Group at Sabaragamuwa University of Sri Lanka (SUSL) for the term 2023/2024. Our journey began in June 2021, and since then, we have strived to foster a vibrant and innovative community within our Student Branch Affinity Group.

The IEEE Women in Engineering (WIE) is a global network of IEEE members and volunteers dedicated to promoting female engineers and scientists while inspiring girls around the world to pursue academic interests in engineering and scientific careers. As the world's largest technical professional association, IEEE is committed to the advancement of technology for the greater good.

We are proud to have the IEEE Women in Engineering (WIE) Student Branch Affinity Group at SUSL recognized as the fifth IEEE WIE chapter in Sri Lanka. This document outlines our vision and strategic direction for the upcoming year, from September 2024 to September 2025. Our overarching goal is to build upon our past successes, leveraging efficient strategies and innovative initiatives to make this year even more impactful and rewarding for our members.

1.1 Mission & Vision

"Facilitating the recruitment and retention of women in technical disciplines globally leading to avibrant community of IEEE women and men collectively using their diverse talents to innovate for the benefit of humanity"

1.2 Aims & Objectives

• **Empowerment of Female Students:** Our primary aim is to empower female students by enhancingtheir STEM skills, ensuring they are well-equipped to excel in technical disciplines.

• **Attitude and Soft Skills Development:** We aim to develop the attitudes and soft skills of femalestudents, enabling them to overcome social barriers and excel in their chosen fields.

• **Career Encouragement:** Our objective is to encourage female students to pursue successful careersin STEM fields, providing them with the necessary guidance and resources.

02. Executive Committee and the Student Branch Counsellor-2025

Executive Committee

Chairperson	S.D.R. Warushika
Secretary	K.S.Dilrukshi
Vice Chairperson	M.T.D.De Silva
Vice Secretary	W.P.I.N.Kumarasinghe
Treasurer	D.M.N.Sandunika
Public Relations Manager	K.A.M.V. Rodrigo
Event Coordinator	H.B.I.M.Samarasinghe

Student Branch Counselor:
Mrs.W.V.S.K. Wasalthilaka

03. Events in Brief

Month	Event
October	PathForward 2.0
November	Volunteer Awareness
December	QWhiz 1.0
January	Flyer Series
February	PearlHack 3.0
March	Article Series
April	VisionX
May	ShutScore (Badminton Match)
June	BootCamp
July	A Hope
August	Part-Time Earning Platform Awareness
September	Leadership Camp

04. Events in Detail

1. PathForward 2.0

Scheduled Time: October 2024
Target Audience: Undergraduates of SUSL

Introduction:

The PathForward Virtual Session Series is an inspiring initiative organized by the IEEE WIE Student Branch Affinity Group of Sabaragamuwa University of Sri Lanka (SUSL). This dynamic virtual event is designed to empower all aspiring engineers and IT professionals, providing a platform for them to explore their potential and broaden their horizons. Through a series of interactive discussions and insightful talks led by seasoned industry leaders, participants will have the opportunity to connect, collaborate, and share ideas in a supportive environment. The series will focus on the latest advancements in technology, helping students to embrace emerging trends and drive innovation in their future careers.

Objectives:

- Inspiring Future Professionals: Motivate undergraduates to excel in the tech industry by providing mentorship and guidance from industry experts.
- Exploring Emerging Technologies: Offer insights into the latest technology stacks and trends shaping the future of IT and engineering.
- Encouraging Collaboration: Create opportunities for students to network and collaborate with peers and professionals through virtual interactions.
- Developing Career Tools: Equip students with knowledge and strategies to succeed in their careers, including staying up-to-date with technological advancements.

The PathForward Virtual Session Series aims to foster a vibrant community of future innovators and leaders, empowering undergraduates to navigate the fast-paced world of technology with confidence and skill. By engaging with industry experts and peers, participants will not only enhance their understanding of the tech landscape but also build lasting connections that can propel them forward in their careers. Join us in this transformative journey as we collectively strive for excellence and innovation in the ever-evolving field of engineering and IT.

2. Volunteering Awareness Session

Scheduled Time: November 2024
Target Audience: Undergraduates of faculty of computing SUSL

Introduction:

Volunteers are individuals who dedicate their time, skills, and efforts to support various causes, organizations, or communities without expecting financial compensation. Volunteering is essential not only because it enhances the lives of those who receive support but also because it enriches the lives of the volunteers themselves. In this session, we aim to provide a clear understanding of volunteering, particularly within the context of the IEEE Women in Engineering (WIE). Participants will learn about the significance of volunteering, the vital role that volunteers play, and the specific impact of their contributions. The session will highlight how volunteering with IEEE WIE can positively affect both personal growth and community betterment. By the end of the session, attendees will have a deeper appreciation for the value of volunteering with IEEE WIE and will be inspired to make meaningful contributions within the organization. This is the online session.

Objectives

- Enhance Engagement: Aim to increase the membership count within the IEEE Student Branch at SUSL.
- Improve Awareness of Volunteering: Enhance understanding of the significance and benefits of volunteering in IEEE WIE.
- Provide Insight into Volunteer Work: Offer a clear understanding of the responsibilities and roles associated with volunteering.
- Encourage Volunteer Participation: Inspire attendees to become active volunteers and engage in community service.

In conclusion, volunteering is a powerful avenue for personal growth, professional development, and societal improvement, fostering collaboration, compassion, and social responsibility. This session has emphasized the importance of volunteers while encouraging students to engage in volunteering activities. Additionally, it has provided in-depth knowledge about the roles and responsibilities associated with volunteering

3. QWhiz (Quiz Competition)

Scheduled Time: December 2024
Target Audience: STEM undergraduates from universities across Sri Lanka

Introduction:

QWhiz 1.0 is the inaugural virtual quiz competition organized by the IEEE WIE Student Branch Affinity Group of Sabaragamuwa University of Sri Lanka (SUSL). This exciting event is designed to provide undergraduates who are passionate about STEM with a thrilling platform to showcase their knowledge and skills in a competitive environment. Participants will engage in challenging quizzes focused on trending technologies, allowing them to not only test their expertise but also discover new insights within the rapidly evolving fields of science, technology, engineering, and mathematics. As an online event, QWhiz 1.0 breaks geographical barriers, enabling students from various universities across Sri Lanka to connect and collaborate in their shared pursuit of knowledge.

Objectives:

- Promoting STEM Education: Encourage undergraduates to explore and pursue careers in STEM through interactive quiz sessions that focus on emerging technologies.
- Enhancing Problem-Solving Skills: Challenge participants to improve their quick thinking and problem-solving skills under time constraints.
- Fostering Collaboration: Provide a virtual space for networking, allowing students to collaborate and exchange ideas with like-minded peers from different universities.
- Inspiring Academic Excellence: Motivate participants to strive for academic and leadership excellence in STEM fields.

QWhiz 1.0 aims to create an engaging and enriching experience for undergraduates, helping them strengthen their knowledge, critical thinking, and teamwork skills. By participating in this virtual quiz competition, students will not only gain a deeper understanding of current technologies but also build lasting connections with fellow STEM enthusiasts.

4. Flyer Series

Scheduled Time: January 2025
Target Audience: Undergraduates of Sri Lankan Universities

Introduction:
The Volunteering Diary is an inspiring monthly flyer series dedicated to showcasing the remarkable achievements, skills, and contributions of our volunteers. Each flyer will highlight individual stories of impact, celebrating the dedication and support provided by our volunteers in various community initiatives. Through these engaging narratives, we aim to raise awareness of our volunteer program and encourage greater participation among undergraduates from universities across Sri Lanka. By sharing these impactful stories on various social media platforms, we hope to inspire others to get involved and make a difference in their communities.

Objectives:

- Highlighting Volunteer Contributions: Celebrate the valuable efforts of volunteers and the positive changes they bring to their communities through their involvement.
- Inspiring Engagement: Motivate fellow undergraduates to participate in volunteering activities by showcasing relatable and impactful stories.
- Building a Sense of Community: Foster a sense of belonging and collaboration among volunteers and potential participants by sharing experiences and encouraging interactions.
- Enhancing Skills Development: Provide volunteers with opportunities to develop and showcase their skills through their involvement in various initiatives, highlighting how volunteering can contribute to personal and professional growth.

The Volunteering Diary series aims to create a vibrant community of engaged and passionate individuals committed to making a difference. By sharing these stories, we hope to inspire a new wave of volunteers among Sri Lankan university undergraduates, emphasizing the importance of giving back and the profound impact of collective efforts.

5. PearlHack 3.0

Scheduled Time: February 2025
Targeted Audience: Women Undergraduates of Sri Lankan Universities

Introduction:

PearlHack 3.0 is an exciting hybrid hackathon, both an idea and design competition, conducted in parallel with ICARC 2024 and open to all female undergraduates across the island. Hosted for the third time at the university, PearlHack 3.0 challenges participants to develop solutions based on a scenario provided by a leading software company, adhering to specific rules and regulations aimed at driving user engagement, enthusiasm, and innovation. This year's event will feature both virtual and physical formats, offering participants flexibility in how they join. A unique aspect of PearlHack 3.0 is that candidates can select from two distinct categories based on their interests and expertise. The event will proceed under the supervision of a panel of judges, adhering to terms and conditions set by the organizing committee.

PearlHack 3.0 will be held in two categories: IDEATHON and DESIGNATHON. Participants can choose to join either the Ideathon, where they will submit unique ideas as proposals and pitch them later, or the Designathon, where they will submit prototypes and present their designs. The award ceremony for both events will take place physically in parallel with ICARC, bringing all participants together to celebrate their achievements.

Objectives:

- Support Collaboration and Innovation: Create an inclusive environment that encourages women to collaborate and innovate in technology and computer science.
- Showcase Skills and Solutions: Empower women to demonstrate their skills by tackling real-world challenges and developing practical solutions.
- Inspire Future Leaders: Inspire and empower the next generation of female leaders and innovators in STEM fields through mentorship and engagement.
- Highlight Women's Contributions in STEM: Promote awareness of women's contributions to STEM by encouraging innovation, creativity, collaboration, and critical thinking among female undergraduates.

PearlHack 2.0 aspires to empower women in technology, fostering innovation and community while providing a platform to showcase their talents and address real-world challenges.

6. Article Series

Scheduled Time: March 2025
Targeted Audience: Undergraduates of Sri Lankan Universities

Introduction:

The IEEE Women in Engineering (WIE) Affinity Group at Sabaragamuwa University of Sri Lanka will launch an article series featuring volunteers of IEEE WIE. Each volunteer will choose a topic related to current trends and technologies in their field, conduct thorough research, and write an informative article based on their findings. These articles will be published on our WIE Medium account, enabling us to reach a wider audience. To further promote each article, we will design creative flyers and share them across our WIE social media platforms, enhancing visibility and engagement with our content. This initiative aims to empower participants, showcase their expertise, and contribute valuable insights to the community.

Objectives:

- Empower Participation: Encourage female volunteers to actively engage in research and writing, showcasing their expertise on current trends and technologies.
- Promote Knowledge Sharing: Share valuable insights and knowledge with a broader audience through the publication of articles on the WIE Medium account.
- Enhance Visibility: Utilize creative flyers and social media platforms to promote each article, increasing engagement and reach within the community.
- Foster Community: Build a sense of community among female students in engineering by encouraging collaboration and sharing of ideas and experiences.
- Highlight Contributions of Women in STEM: Showcase the contributions of female undergraduates in technology and engineering fields, inspiring others to follow in their footsteps.

The article series organized by the IEEE WIE Affinity Group of Sabaragamuwa University of Sri Lanka aims to empower volunteers by providing a platform for research and expression while sharing valuable insights with the community. This initiative will not only enhance visibility for participants but also foster a supportive network that celebrates women's contributions in STEM.

7. VisionX

Scheduled Time: April 2025
Targeted Audience: Undergraduates of Sri Lankan Universities

Introduction:

VisionX is a comprehensive project aimed at fostering knowledge exchange and engagement within the field of Information Technology, with a particular focus on the Internet of Things (IoT). The project includes four key activities designed to enhance knowledge and engagement in the field of IoT. First, we will publish articles that share insights and knowledge on the latest IoT innovations. Next, we will host an awareness session in the form of a webinar, aimed at educating participants about current trends and technologies in IoT. Additionally, we will organize an IoT Projects Mini-Hackathon, providing a hands-on competition for participants to develop and present their IoT-based solutions. Finally, the winning projects from the mini-hackathon will be showcased in an e-magazine, highlighting their creativity and innovation.

Objectives:

- Create a Valuable Content Repository: Develop a comprehensive repository of articles, resources, and insights to promote awareness and understanding of IoT technologies and their applications.
- Provide Real-World Insights: Share knowledge and expertise from industry professionals to give participants a deeper understanding of current IoT technologies and their practical applications.
- Encourage Creativity and Innovation: Inspire participants to think creatively and develop impactful, feasible concepts that can contribute to advancements in the IoT field.
- Publish an E-Magazine: Produce an e-magazine that highlights participant accomplishments and projects, serving as both a celebration of their work and a lasting resource for the IT community.

In conclusion, VisionX **serves** as a platform for knowledge exchange and innovation in the realm of IoT, offering participants a comprehensive learning experience through its structured phases. From insightful article publications to hands-on hackathons and an e-magazine that celebrates creativity, VisionX 1.0 aims to inspire, educate, and leave a lasting impact on the IT community.

8. ShutScore (Badminton Match)

Scheduled Time: May 2025
Target Audience: Undergraduates of SUSL

Introduction:

ShutScore is a badminton tournament organized by the Women In Engineering (WIE) Affinity Group of Sabaragamuwa University of Sri Lanka. This interfaculty event aims to offer an exciting and friendly sporting experience, bringing together students from across the university. The tournament serves as a platform for students to showcase their badminton skills while promoting unity, teamwork, and camaraderie among the university community. This event will happen as a physical event.

Objectives

- Empower Undergraduates: Provide a platform for undergraduates to showcase their athletic abilities.
- Enhance Confidence and Leadership Skills: Help participants build confidence and develop leadership skills.
- Promote Interaction and Collaboration: Foster interaction and collaboration among students beyond academic boundaries.
- Emphasize Physical Fitness and Well-being: Highlight the importance of physical fitness and well-being among students.
- Raise Awareness About Youth Participation in Sports: Increase awareness about the significance of young participation in sports.

In conclusion, ShoutScore serves us more than just a badminton tournament. It is an opportunity for students to collaborate, connect and grow beyond the academic boundaries. By promoting leadership and teamwork, the event contributes to the holistic development of undergraduates while reinforcing the importance of physical fitness and unity within the university community.

9. BootCamp

Scheduled Time: June 2025
Target Audience: Undergraduates of faculty of computing SUSL

Introduction:

Bootcamp Session is designed to teach participants how to address real-world problems through technological innovation. Participants can get knowledge about how to identify pressing problems and brainstorm creative solutions. They will engage in planning and pitching their ideas, honing their communication skills to effectively convey their concepts to potential stakeholders. Through collaborative teamwork, attendees will design and develop their projects, fostering an environment of creativity and shared learning.

At the conclusion of the camp, participants will have the exciting opportunity to present their innovative ideas. This pitching session will provide valuable feedback, helping attendees refine their concepts and understand the practical implications of their work. By the end of the Bootcamp, participants will leave with enhanced problem-solving skills, practical experience in teamwork, and a deeper understanding of how to bring their technological innovations to life. This is the Physical event.

Objectives

- Teach Problem Identification: Equip participants with skills to identify pressing real-world problems.
- Encourage Creative Solutions: Foster creativity by guiding attendees in brainstorming innovative solutions.
- Enhance Planning and Pitching Skills: Help participants learn how to plan and effectively pitch their ideas to potential stakeholders.
- Promote Team Collaboration: Encourage collaborative teamwork to design and develop projects, creating a shared learning environment.
- Facilitate Project Development: Provide a structured approach for participants to design and develop their technological projects.
- Offer Presentation Opportunities: Allow participants to present their innovative ideas in a pitching session.

In conclusion, The Bootcamp Session empowers undergraduates from the Faculty of Computing at SUSL to tackle real-world problems through technological innovation. Attendees will leave with improved problem-solving abilities, teamwork experience, and a clearer understanding of how to bring their innovations to life.

10.A HOPE

Scheduled Time: July 2025
Targeted Audience: School Students .

Introduction:

The charity event, A HOPE, is back for the second time, with a mission to make a positive impact in our community. This event is not just about bringing people together; it's about lending a helping hand to those in need, creating opportunities, and fostering hope for a brighter future. Previously, A HOPE provided educational materials such as books and supplies to Puwakgahawela Vidyalaya, making a difference in the lives of young students. This time, we aim to go even further, whether it's through raising funds, providing resources, or offering support, our goal is to "Ink the Future, Write Hope." Join us as we strive to create meaningful change and inspire hope for those with fewer facilities.

Objectives:

- Support Educational Growth: Provide educational resources and materials, such as books and school supplies, to underprivileged students to promote learning and academic development.
- Promote Equal Opportunities: Bridge the gap between students in urban and rural areas by ensuring they have access to the necessary tools and opportunities for success.
- Raise Awareness: Highlight the educational disparities faced by students in rural areas and advocate for long-term support and sustainable development in these communities.
- Inspire Hope and Positivity: Motivate and encourage students to pursue their dreams and aspirations, despite their current challenges, by providing them with the resources and support they need.

In conclusion, A HOPE is more than just an event—it's a commitment to empowering the next generation through education and support. By working together, we can create a brighter future, one filled with opportunities and hope for every child. Let's continue to "Ink the Future, Write Hope."

11.Part-Time Earning Platform Awareness

Scheduled Time: August 2025
Target Audience: Undergraduates of Faculty of Computing SUSL

Introduction:

This session is designed to raise awareness about various part-time earning platforms, specifically targeted at students who are looking for ways to earn money while continuing their studies. A key focus will be on AI-driven image generation, where participants will learn how to create and sell AI-generated images on digital platforms. We will explore tools and techniques for creating unique visual content, and guide attendees on how to market and monetize their creations on platforms like Etsy, Shutterstock, or through personalized digital shops. The session aims to empower students with practical skills that can help them leverage AI technology to generate income, all while balancing their academic commitments. This event will be held both physically and online.

Objectives

- Explore Digital Opportunities: Introduce a range of freelance work, online services, and creative ventures in the digital space.
- Focus on AI-Driven Image Generation: Teach participants how to create and sell AI-generated images on digital platforms.
- Provide Practical Skills: Equip students with tools and techniques for creating unique visual content using AI.
- Guide on Marketing and Monetization: Offer guidance on how to market and monetize AI-generated images on platforms.
- Empower Students for Income Generation: Enable students to use AI technology to generate income while maintaining their academic commitments.

In conclusion, this session aims to empower SUSL Computing undergraduates by equipping them with knowledge of part-time earning opportunities, particularly in AI-driven image generation. Participants will gain valuable skills to create and monetize their work, enabling them to balance academic commitments while generating income.

12.Leadership Camp

Scheduled Time: September 2025
Target Audience: Undergraduates of SUSL

Introduction:

The Leadership Camp, organized by the IEEE Student Branch of Sabaragamuwa University of Sri Lanka (SUSL), the IEEE WIE Student Branch Affinity Group of SUSL, and the IEEE Computer Society Student Branch Chapter of SUSL, is a physical event designed to inspire and empower undergraduates to embrace leadership roles. This camp focuses on developing leadership skills, encouraging students to take risks in their industries, and improving their mental well-being. Participants will engage in hands-on leadership activities, network with peers, and learn from experienced professionals.

Objectives:

- Building Leadership Skills: Help participants cultivate essential leadership qualities, including decision-making, teamwork, and communication, to thrive as future leaders.
- Encouraging Risk-Taking: Inspire students to step forward confidently and take calculated risks in their careers as leaders.
- Fostering Mental Well-Being: Promote the importance of mental resilience and well-being in leadership, providing tools to manage stress and stay motivated.
- Cultivating Diversity and Inclusion: Encourage participants to appreciate and embrace diverse perspectives and backgrounds, fostering an inclusive environment that enhances creativity, collaboration, and effective leadership

The Leadership Camp aims to empower undergraduates with the knowledge, skills, and mindset needed to become effective leaders. By focusing on leadership development, risk-taking, and mental resilience, the camp will prepare students to make a lasting impact in their careers and contribute positively to their communities.

05. Approval

Submitted for Approval

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S.D.R. Warushika

Chairperson

IEEE WIE Student Branch Affinity Group of SUSL

Approved

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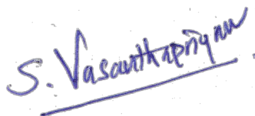
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