



PROJECT PROPOSAL



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Introduction

This proposal provides an insightful overview of the IEEE, IEEE Young Professionals Sri Lanka, IEEE Student Chapter of University of Kelaniya and IEEE CS Chapter of University of Kelaniya. Furthermore, this proposal intends to provide better insight about our collaborator SL Inspire as well. It also provides details of our upcoming event, Code Quest 24', and outlines our collaborative approach to enhance and further improve on the initiative's value.

We aim to address and add value the growing demand for computer science and software engineering skills among youth, specially as, Sri Lanka integrates technology into its educational curriculum and seeks to prepare students for future careers in the IT sector.



Code Quest 24'

Code Quest is an inspiring two-day workshop designed specifically for Advanced Level (A/L) ICT students and Ordinary Level (O/L) students with an interest in Python programming. Organised by the IEEE Computer Society at the University of Kelaniya.

In relation to this workshop, we are planned to invite to a special session to showcase our faculty laboratory facilities, infrastructure, and sustainable development technologies for teachers through a variety of methods.

This event is part of our ongoing commitment to empower Sri Lankan next generation of tech innovators and programmers to develop their knowledge, skills, and confidence related to computer science and software engineering fields.

Furthermore, Code Quest aims to provide young learners with a strong foundation in coding principles, enhance their problem-solving skills, and foster a deep interest in technology.

Through a series of interactive workshops, engaging lectures, and a competitive coding challenge, participants will gain hands-on experience and the opportunity to apply their learning in real-world scenarios.

About IEEE

IEEE, the world's largest technical professional organization, is committed to advancing technology for the betterment of humanity. For over a century, IEEE has recognized outstanding achievements in education, industry, research, and service. These accolades celebrate individuals who have left a lasting mark on technology and society. The IEEE Sri Lanka Section focuses on fostering technological innovation and excellence. Driven by passionate volunteers and young professionals, it aims to be a global platform for aspiring tech professionals, striving for continuous growth and impact.



Active
Membership



400000+
All around the
world

Developed over



Since 1871

Presence in



160+
Countries

Experience
delivered



Students /
workers

IEEE TryEngineering



Introduction

IEEE TryEngineering Inspires the Engineers of Tomorrow. It aims to inspire and engage students of all ages to explore the world of engineering. It provides a variety of resources and tools to help students, educators, and parents learn more about the different fields of engineering and the exciting career opportunities available.

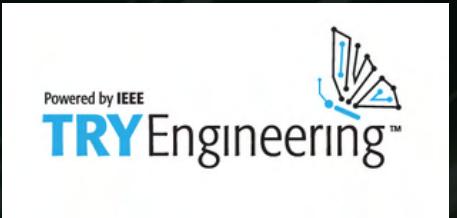
For Educators

TryEngineering.org connects educators to more than 130 free hands-on, low-cost, engineering lesson plans. Each lesson plan targets specific age ranges and aligns with education standards to allow teachers and students to apply engineering principles in the classroom. Educators have access to all of the resources they need to teach engineering and the tips and tricks to keep their students engaged.

TryEngineering History & IEEE

Launched in 2006 as a collaboration of IEEE, IBM, and the New York Hall of Science, TryEngineering.org offers a variety of resources that will advance the skill and knowledge of educators who intend to bring engineering education into their classrooms and to engage and excite students about engineering and technology careers. IEEE is the world's largest technical professional association for the advancement of technology. IEEE has more than 420,000 members globally in the engineering and computing professions.

IEEE TryEngineering



For Students

TryEngineering.org introduces students to the wonders of engineering through online engineering games and apps, that are educational, interactive and fun! Students can also explore ways to get involved in engineering activities, such as camps, competitions, research opportunities, internships, and scholarships. And students can learn about the different engineering fields as well as what engineers do from first-hand profiles featuring a variety of practicing engineers.

Programs and Events

The TryEngineering virtual events feature quality pre-university STEM resources for educators, students and volunteers. New events will be shared on **TryEngineering Tuesday** – a monthly blog that features an IEEE technical society with related activities for pre-university students. Join us and help students explore, engage, and get inspired about STEM fields. Furthermore, we can name STEM Outreach Programs as camp, competition/STEM fairs, mentoring programs, children and teachers workshop, industry/company tour.

IEEE TryEngineering volunteers and importance of joining

The STEM Portal is for IEEE Volunteers and serves as a resource for all things related to Pre-University STEM programs and activities. Here, you can share your STEM best practices and programs with IEEE's global community of volunteers, find inspiration from what others are doing, and utilize resources from this portal to develop or enhance your own programs.

IEEE Computer Science Chapter University of Kelaniya

The IEEE Computer Society Chapter of the University of Kelaniya Student Branch, established in 2021, has rapidly emerged as a dynamic and forward-thinking community dedicated to the advancement of computer science and technology.

The chapter marked a significant peak during the 2023. Notably, the chapter garnered special recognition for the best humanitarian project in Sri Lanka at the IEEE Awards Night 2023 for the impactful event "Walking Together," making it the only award won by a Computer Society Chapter in the country.

With more exciting events on the horizon, the IEEE Computer Society Chapter continues to inspire and engage its members. Stay connected with our activities and updates through our Facebook, LinkedIn, and Instagram pages.



Objectives

With Code Quest 24', Python Workshop and Coding Competition, we aim to conduct 2 parallel sessions for 200 – 300 students and 20 – 30 teachers in 2 days.

Our main objectives are :

- Conduct 2 parallel sessions.
- Mainly an insightful Python Fundamentals Seminar for A/L students for ICT subject.
 - Let participants understand python basics, control structures, functions by providing hands-on practices like mini projects, quizzes and coding exercises.
 - Exercises to ensure that they actively engage and benefit from the workshop.
 - To address the growing demand for coding skills in Sri Lanka's education system and Technology industry.
 - To let them build connections and expand their network with tech professionals.
 - Let participants understand their own strengths and see how challenging is the world of coding.
- Another session for Teachers and Grade 9 to Grade 12 Students,Educating them with education paths in STEM, as in Science,Technology,Engineering and Mathematics.
- Introduce the relevant teachers to the state of the art Faculty of Computing and Technology in University of Kelaniya.
- Push them forward by addressing various career paths of the tech world.
- Improve their connection with IEEE society.
- To let them build connections and expand their network with tech professionals.

Why Sponsor Code Quest 24'?

- Access to youth opinion (surveys, product development)
- Opportunity to sponsor one of the most prominent university events ,create brand awareness among future leaders and attract talented young leaders by developing a strong brand image.
- Create a significant impact on society with the company's presence as a socially responsible and youth-oriented entity by partnering up with IEEE, an international platform for young people to develop their potential.
- To gain access to the view of youth to bring new solutions and innovative ideas through youth engagement surveys and product reviews.
- Increase in customer retention rates through media coverage.

Partnership Packages

- Platinum Partner
- Gold Partner
- Silver Partner
- Bronze Partner

Platinum Partner LKR 225,000

Benefits

- Event named after the sponsor (e.g., "CodeQuest 24' empowered by [company name]").
- Recognition as the Official Platinum Partner.
- Logo and name prominently displayed on all event materials, website, and media.
- The company logo will be displayed on the official event flyer footer.
- Social media shoutouts and features.
- 15s video ads can be displayed 15 times in two days.
- 15-minute video on your company or 30-minute sessions on your related topic.
- Accessories (pens, files, stickers, tags) can be shared.
- A maximum of 5 flags can be displayed outside the venue to the entrance.
- A maximum of 5 banners can be displayed inside the venue.
- Opportunity to display the Company Logo on the T-shirt and certificates.
- Opportunity to display the Company Logo in the Event Backdrop.
- Distribute company promotional items during the Event. (leaflets, brochures)
- Opportunity to promote Company Trademarks to a Vast Youth Audience.
- Further benefits are negotiable according to the sponsor's requirements.
- Opportunity to conduct a successful youth survey or provide feedback on the company's services.

Gold Partner LKR 175,000

Benefits

- Recognition as the official gold partner.
- Prominent logo placement on event materials, website, and signage.
- The company logo will be displayed on the official event flyer footer.
- Social media mentions.
- 15s video ads can be displayed 10 times in two days.
- 10-minute video on your company.
- Accessories (pens, files, stickers, tags) can be shared.
- A maximum of 5 flags can be displayed outside the venue to the entrance.
- 2 banners can be displayed inside the venue.
- Opportunity to display the Company Logo in the Event Backdrop.
- Opportunity to display the Company Logo on the certificates.
- Distribute company promotional items during the Event. (leaflets, brochures)
- Opportunity to promote Company Trademarks to a Vast Youth Audience.
- Opportunity to conduct a successful youth survey or provide feedback on the company's services.
- Further benefits are negotiable according to the sponsor's requirements.

Silver Partner LKR 125,000

Benefits

- Recognition as the official silver partner.
- Logo placement on event materials and website.
- The company logo will be displayed on the official event flyer footer.
- Social media mentions.
- 15s video ads can be displayed 5 times in two days.
- 5-minute video on your company.
- A maximum of 5 flags can be displayed outside the venue to the entrance.
- 2 banners can be displayed inside the venue.
- Accessories (pens, files, stickers, tags) can be shared.
- Opportunity to display the Company Logo in the Event Backdrop.
- Opportunity to promote Company Trademarks to a Vast Youth Audience.
- Opportunity to conduct a successful youth survey or provide feedback on the company's services.
- Further benefits are negotiable according to the sponsor's requirements.

Bronze Partner LKR 100,000

Benefits

- Recognition as the official bronze partner.
- Logo placement on event materials and website.
- The company logo will be displayed on the official event flyer footer.
- Social media mentions.
- 15s video ads can be displayed 2 times in two days.
- A maximum of 2 flags can be displayed outside the venue at the entrance.
- A banner can be displayed inside the venue.
- Accessories (pens, files, stickers, tags) can be shared.
- Opportunity to display the Company Logo in the Event Backdrop.
- Opportunity to promote Company Trademarks to a Vast Youth Audience.
- Opportunity to conduct a successful youth survey or provide feedback on the company's services.

Further benefits are negotiable according to the sponsor's requirements

Partnership Package Comparison

Sponsorship Benefits		Platinum Partner	Gold Partner	Silver Partner	Bronze Partner
Amount		LKR 225 000	LKR 175 000	LKR 125 000	LKR 100 000
Logo Placement	Event Materials	✓	✓	✓	✓
	Website	✓	✓	✓	✓
	Event Signage	✓	✓	-	
	Event Flyer Footer	✓	✓	✓	✓
	T-shirts	✓	-	-	
	Certificates	✓	✓	-	
	Event Backdrop	✓	✓	✓	✓

Partnership Package Comparison

	Platinum Partner LKR 225 000	Gold Partner LKR 175 000	Silver Partner LKR 125 000	Bronze Partner LKR 100 000
Brand Promotion	A maximum of 5 flags can be displayed outside the venue to the entrance. A maximum of 5 banners can be displayed inside the venue.	A maximum of 5 flags can be displayed outside the venue to the entrance. Two banners can be displayed inside the venue.	A maximum of 5 flags can be displayed outside the venue to the entrance. Two banners can be displayed inside the venue.	A maximum of 2 flags can be displayed outside the venue to the entrance. One banner can be displayed inside the venue.

Partnership Package Comparison

	Platinum Partner LKR 225 000	Gold Partner LKR 175 000	Silver Partner LKR 125 000	Bronze Partner LKR 100 000
Digital Media and Advertising	Social media mentions. 15s video ads can be displayed 15 times in two days. 15-minutes video of your company or 30-minutes session on your related topic.	Social media mentions. 15s video ads can be displayed 10 times in two days. 10-minutes video of your company.	Social media mentions. 15s video ads can be displayed 5 times in two days. 5-minutes video of your company.	Social media mentions. 15s video ads can be displayed 2 times in two days. -

Partnership Package Comparison

	Platinum Partner LKR 225 000	Gold Partner LKR 175 000	Silver Partner LKR 125 000	Bronze Partner LKR 100 000
Promotion Items	Accessories (pens, files, stickers, tags) can be shared. Distribute company promotional items during the event (leaflets, brochures)	Accessories (pens, files, stickers, tags) can be shared. Distribute company promotional items during the event (leaflets, brochures)	Accessories (pens, files, stickers, tags) can be shared.	Accessories (pens, files, stickers, tags) can be shared.

Partnership Package Comparison

Platinum Partner LKR 225 000	Gold Partner LKR 175 000	Silver Partner LKR 125 000	Bronze Partner LKR 100 000
Interaction with Audience	<p>Opportunity to promote company Trademarks to a Vast Youth Audience.</p> <p>Opportunity to conduct a successful youth survey or provide feedback on the company services.</p>	<p>Opportunity to promote company Trademarks to a Vast Youth Audience.</p> <p>Opportunity to conduct a successful youth survey or provide feedback on the company services.</p>	<p>Opportunity to promote company Trademarks to a Vast Youth Audience.</p> <p>Opportunity to conduct a successful youth survey or provide feedback on the company services.</p>

Other Partnership Packages



Technical Partner



Media Partner



**Food and
Beverage Partner**



**Gift
Partner**

Technical Partner



- Recognition as the Official Technical partner.
- Opportunity to display the Company Logo in the Event Backdrop.
- Opportunity to promote Company Trademarks to a Vast Youth Audience.

Media Partner



- Recognition as the Official Media partner.
- Opportunity to play a short Company Promotional Video at the Event days (01 min).
- Opportunity to display a Company banner Inside the Venue.
- Opportunity to display the Company Logo in the Event Backdrop.
- Opportunity to promote Company Trademarks to a Vast Youth Audience.

Food and Beverage Partner



- Recognition as the Official Food and Beverage partner.
- Opportunity to share discount vouchers with delegates.
- Opportunity to play a short Company Promotional Video at the Event days (01 min).
- Opportunity to get product reviews from the organizing committee and delegates.
- Opportunity to display the Company Logo in the Event Backdrop.
- Opportunity to get featured on social media platforms.
- Opportunity to promote your products affiliating with delegates.

Gift Partner



- Recognition as the Official Gift partner.
- Opportunity to play a short Company Promotional Video at the Event days (01 min).
- Opportunity to display the company logo in Gifts.
- Opportunity to display a Company banner Inside the Venue.
- Opportunity to promote Company Trademarks to a Vast Youth Audience.

Add-ons



- Video promotion (02 minutes per day) - LKR 5,000
- E banner – LKR 5,000
- Booklet branding – LKR 10,000
- Merchandising (Organizing committee) – LKR 15,000

ABOUT COLLABORATORS

IEEE SL Section

The IEEE Sri Lanka Section is a member of the IEEE Region 10 Community and was launched in Sri Lanka on November 14, 2003, to become the platform of the Global Technology Community for aspiring technology professionals of tomorrow. The IEEE SL Section is growing and expanding at an accelerated pace, achieving huge success. The increasing number of passionate volunteers, including university academic staff members, industry professionals, and university students across the country, helps the Section strive towards greater heights year by year. The IEEE Sri Lanka Section has also been gradually developed into five chapters, 20 student branches, two affinity groups, and one subsection.

- **Chapters**

- Power and Energy Society
- Robotics and Automation Computer Society
- Microwave Theory and Techniques
- Communications Society
- Industry Applications Society
- Industrial Electronics Society

IEEE Sri Lanka Section

ABOUT COLLABORATORS

- **Affinity Groups**

- IEEE Young Professional Sri Lanka
- Women in Engineering Sri Lanka

- **Student Branches**

- University of Peradeniya (UoP)
- University of Moratuwa (UoM)
- University of Ruhuna (UoR)
- University of Colombo School of Computing (UCSC)
- Sri Lanka Institute of Information Technology (SLIIT)
- General Sir John Kotelawala Defense University (KDU)
- Wayamba University of Sri Lanka (WUSL)
- Informatics Institute of Technology (IIT)
- Uva Wellassa University (UWU)
- Sabaragamuwa University of Sri Lanka (SUSL)

- **Subsections**

- Central Region Subsection

- Open University of Sri Lanka (OUSL)
- National School of Business Management (NSBM)
- University of Sri Jayewardenepura (USJP)
- Sri Lanka Technological Campus (SLTC)
- Rajarata University of Sri Lanka (RUSL)
- University of Kelaniya (UoK)
- Vavuniya Campus of the University Of Jaffna (VCUJ)
- University of Vocational Technology (UVT)
- University of Jaffna (UoJ)
- South Eastern University of Sri Lanka (SEUSL)

IEEE CS Sri Lanka Chapter

The IEEE Sri Lanka Computer Society (CS) Chapter is a professional organization dedicated to advancing computing and technology in Sri Lanka. It is part of the global IEEE Computer Society, which provides a platform for professionals, academics, and students to collaborate, share knowledge, and stay updated with the latest trends in computer science and engineering. The chapter organizes various events, including workshops, seminars, conferences, and competitions, aimed at promoting innovation, research, and professional development within the local tech community. It also fosters networking opportunities and partnerships with industry leaders and academic institutions to enhance the growth and impact of computing technology in Sri Lanka.



Sri Lanka Chapter

Ecosystems Partners

IEEE Young Professionals Sri Lanka

IEEE Young Professionals (YP) is an international community of creative, proactive, and energetic members and volunteers. It is dedicated to assisting young professionals in improving their professional profiles, growing their career objectives, and building a lifetime and wide professional network. IEEE YP is a group of IEEE members and volunteers who have earned their first professional degree in the last 15 years. It is diverse as it includes all members, from recent university graduates to experienced professionals and entrepreneurs.

IEEE Young Professionals Sri Lanka was established in October 2011. It is freely available to graduate students and professional members with new career goals. IEEE YP Sri Lanka aspires to be the leading professional network for young professionals and industry in Sri Lanka. It hopes to increase the participation of industry members and build community recognition within the industry to attract new graduates and provide them with those benefits.

IEEE Young Professional Sri Lanka is growing steadily and has launched the following projects.

- StudPro
- LETs Talk
- IEEE Innovation Nation Sri Lanka
- IEEE SL Inspire
- AI-Driven Sri Lanka
- Young-To-Niche Professionals (Y2NPro)

Ecosystems Partners

SL Inspire

SL Inspire is an exceptional online platform partnered up with IEEE Sri Lanka Section, SL2College and IEEE Advanced Technology for Humanity, dedicated to providing equal access to quality education for all student communities in Sri Lanka. Their mission is to support students in their academic journey, particularly through their Advanced Level (A/L) examinations and beyond. They offer a variety of online educational resources tailored to meet the needs of A/L students, ensuring they have the critical tools and materials necessary for success. As for their variety of services,

- Online forums to clear doubts and questions about educational matters
- Targeted papers for exam preparation
- A Question Bank to clarify any questions to provide solutions
- Their very own Career Compass Seminars
- Paper Discussions
- Lab Experiment video sessions

Furthermore, SLInspire aims to be a guiding compass on A/L students even after A/Ls pointing out best directions in their future career paths. SLInspire wishes to bridge educational gaps and foster a supportive learning environment, helping every student achieve their academic goals. them with those benefits.

IEEE Student Branch of University of Kelaniya

The IEEE Student Branch of the University of Kelaniya, established in 2017, has been a pioneer in organizing annual events like IEEEExtreme, and IEEE Day celebrations. RealHack, the annual inter-university hackathon organized by the IEEE Student Branch of the University of Kelaniya in collaboration with the Software Engineering Students' Association(SESA), has been a highlight for four consecutive years, showcasing the branch's commitment to fostering coding skills.



UNIVERSITY OF KELANIYA STUDENT BRANCH

Reach and Visibility

IEEE Computer Society SL Section



(1.2K+)



(350+) (1K+)



IEEE SIGHT SL Section



(23K+)



(150+) (250+)



IEEE Computer Society UoK



(1.1K+)



(50+)



(150+)

IEEE Young Professionals



(600+)



(800+) (3K+)



*Tap the social media icon to get the link

Conclusion

In conclusion, Code Quest 24' serves as a vital platform for nurturing the next generation of tech-savvy individuals in Sri Lanka.

By providing learning opportunities, practical experience, and exposure to cutting-edge technologies, the workshop empowers students to develop essential skills in computer science and software engineering.

The event's commitment to fostering innovation and problem-solving capabilities among participants aligns with the goal of preparing them for future challenges in the tech industry and to heighten awareness and garner exposure for our faculty among educators.

As we continue to support and inspire young learners through initiatives like Code Quest 24', we aim to cultivate a thriving community of knowledgeable and passionate individuals capable of driving sustainable advancements in technology.

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THANK YOU!