Region 10 Sri Lanka Section Report

* Please use the following format to prepare and submit your Section's annual report to Region 10.

* Please try to limit your Section's annual report not more than 15 pages.

A.1 Executive Summary – (Please follow the format given below)

- Section Executive Committee Member List

Position	Nominee
Chair	Dr. Maheshi Dissanayake
Chair (elect)	Prof. Pradeep Abeygunawardhana
Secretary	Dr. Subodha Charles
Treasurer	Dr. Sudheera Nawarathna
Assistant Secretary	Ms. Heshani Mahalaksha
Assistant Treasurer	Mr. Sidath Weerasinghe
Editor	Dr. Ahilan Kanagasundaram
Committee Members	Dr. Chameera Edussuriya Mr. Dhammika Marasinghe Prof. Janaka Ekanayake Prof. S. Vasanthapriyan Dr. Windya Rankothge

- Section Highlights
  - In 2021 the IEEE Sri Lanka Section held eight executive committee meetings spanning throughout the year,
  - A special generation meeting was held in October 2021 and the annual general meeting was held on 29th January 2022.

As shown in the annexture, 558 events have been reported through vTools for the period 1st January 2021 - 31st December 2021.

- Major Events (International, National):
  - Sri Lanka Student Young Professionals, Women in Engineering Congress
  - Memorandum of Understanding (MoU) with ICTA (Information and Communication Technology Agency) Sri Lanka
  - 3MT- Competition targeting Graduate Students
  - Industry-Academic Dialog With R10 funds

- o Electronic Design Competition
- o Tech Narrator Competition in Three local languages (English, Tamil, Sinhala)
- o Adaharaya- a SAC event where all Student Branches hosted their own version of the event synchronously across the country in their preferred language.

- ● Major Chapter Activities
  - o Power and Energy Society (PES)
    - ▪ INTER-UNIVERSITY PHASOR MEASURMENT UNITS DESIGN COMPETITION 2021
    - ▪ SRI LANKAN POWER ENGINEERING CONFERENCE 2021
  - o Robotics and Automation Society (RAS)]
    - ▪ IEEE - Sri Lanka Robotics Meetup
    - ▪ [IEEE - Sri Lanka Robotics Workshop] Saturday, 06th of March 2021
  - o Computer Society (CS)
  - o Microwave Theory and Techniques Society (MTTS)
  - o Communications Society (ComSoc)
    - ▪ IEEE Communications Society Distinguished Lecture, titled "IoT in e-Health: From Wearables to Diagnostic Systems", delivered by Prof.Sudip Misra
    - ▪ DLP on "AI Enabled Wireless Networks – A bridge from 5G to 6G"
    - ▪
  - o Power Electronics Society (PELS)
  - o Industry Applications Society (IAS)
  - o Engineering in Medicine and Biology Society (EMBS)
  - o Industrial Electronics Society (IES)

All the above-mentioned chapters have organized technical activities.

- ● Major Student and Affinity Group Activities

- ● Awards
  - o Special Recognition for the Best Humanitarian Project Award
  - o Special Recognition for Innovative/ Creative Project Award
  - o Special Recognition for Fellows
  - o Outstanding Branch Counsellor or Advisor Award
  - o Outstanding Industry Partner
  - o Best Industry Collaborative Project Award (SB OU Category)

- o Best Industry Collaborative Project Award (Section OU Category)
- o Special Recognition for Membership Recruitment & Retention
- o Best Affinity Group Project Award (Student AG Category)
- o Best Affinity Group Project Award (Section AG Category)
- o Best Technical Chapter Project Award (Student Chapter)
- o Best Technical Chapter Project Award (Section Chapter)
- o Section Outstanding Volunteer Award (Student Category)
- o Section Outstanding Volunteer Award (Member Category)
- o Best Student Branch Project Award
- o Best Sectional Project Award
- o Outstanding Student Branch Award

A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted on NetSuite

	USD account Acc No. 8770020705	LKR account Acc No. 1100022595
Bank opening balance as at 01-Jan-2021	18,250.59	4,148,989.03
Income	183.27	5,382,534.64
Expenses		(3,428,230.77)
Bank closing balance as at 31-Dec-2021	18,433.86	6,103,292.90
Bank statement balances as at 31-Dec-2021	18,433.86	6,103,292.90

	Acc No. 3100050690	Acc No. 3100050691	Acc No. 3100050692
Bank opening balance as at 01-Jan-2021	149,898.29	149,898.29	149,898.29
Income			
Expenses			
Bank closing balance as at 31-Dec-2021	149,898.29	149,898.293	149,898.29
Bank statement balances as at 31-Dec-2021	149,898.29	149,898.29	149,898.29

- Any other financial activities (N/A)

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.

Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members:

Associate Member	19
Fellow	1
Graduate Student Member	142
Life Fellow	1
Life Member	1
Life Senior	1
Member	816
Senior Member	76
Student Member	2333

2021 Outstanding Section Membership Recruitment and Retention Performance

Sri Lanka Section

- Several membership development activities have been carried out
  - Spread the Word (Student Membership Retention Activity)
    - Spread the Word was conducted with the aim of increasing IEEE membership within the Student Branches in the IEEE Sri Lanka section while providing the participants with insight into gaining the best out of their membership on 24th July 2021 with 338 attendees.
  - IEEE Andaheraya
    - Andaheraya was an event that was organized in all the 20 Student Branches at the same time on the same day with more than 1600 attendees in all the Universities on 7th August 2021.
  - IEEE Boost
    - IEEE Boost was conducted with the aim of increasing IEEE membership within the Student Branches in the IEEE Sri Lanka section while providing the participants with insight into gaining the best out of their membership on 27th August 2021 with 398 attendees.

B.2 Chapter Activities

- Total number of Chapters in the Section: 10
- Number of Chapters formed in the current year: 1
- Number of active Chapters (Chapters who have reported required number of meetings during the year): 10, Two chapters were re-instated in 2021, as they were listed as dormant at the beginning of the year.

Summary of Chapter activities where section was a collaborative partner (Chapter wise with attachment table/information)

1. IEEE - Sri Lanka Robotics Workshop which was held on Saturday, 06th of March 2021. The event was organised by IEEE RAS Sri Lanka Chapter.
2. "AI Enabled Wireless Networks – A bridge from 5G to 6G", Conducted in collaboration with IEEE ComSoc Sri Lanka Chapter on 8th April, 2021
3. "Technology pathways towards commercializing nano-technology", Conducted in collaboration with IEEE IAS Sri Lanka Chapter on 25th May, 2021
4. "IEEE Sri Lanka Robotics Meetup", Conducted in collaboration with IEEE RAS Sri Lanka Chapter on 1st December, 2021

5. "Webinar on Cochlea Signal Processing: Modeling and integration with machine learning", Conducted in collaboration with IEEE SPS Sri Lanka Chapter on 3rd Jan, 2022
6. "Building a Successful Research Career", Conducted in collaboration with IEEE CS Sri Lanka Chapter on 12th Jan, 2022
7. "Machine Leaning in Societal Benefits with focus on Earth Observation Data", Conducted to take an initiative to form a IEEE GRSS Chapter in Sri Lanka on 12th Jan, 2022
8. "Frontiers of Biomedical Engineering", Conducted in collaboration with IEEE EMBS Sri Lanka Chapter on 14th Jan, 2022

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

1. Electronic Design Competition: This is an annually organized event of the IEEE Sri Lanka Section. In the competition, undergraduates in Sri Lanka universities design and implement projects to find a solution to a real-life problem using electronics, and other relevant technologies. Each team is composed of 4 undergraduates and one team member must be an IEEE student member. In 2021, 14 trams were registered and 8 teams were selected for the final round which was held on Saturday, Sep 25, 2021, as a virtual event.
2. IEEE Sri Lanka Section 3MT Thesis Competition: This competition is organized for the first time by IEEE Sri Lanka Section in 2021 as an initiation to attract and retain Graduate Student members while giving them an opportunity to showcase their research output to a general audience. In order to participate in the competition, an applicant (1) must be in the second or higher year of an MPhil or a PhD program or have completed the MPhil or PhD degree in a Sri Lankan university/degree awarding institute in the year the competition is held (2) must have an active IEEE membership (e.g., graduate student member, student member, etc.). Total of five applicants, out of all applications received, has been selected for the final round, which was held on Oct 30, 2021, as a virtual event.
3. Webinar on "Take your life back" was held on 13th May 2021, with around 70 participants. It was conducted by Mrs. Rasini Bandara (Psychologists at Mind Heals Pvt Ltd).
4. DLP by Prof. Arumugam Nallanathan (Queen Mary University of London) was held on 9th September 2021, with around 100 participants as an online event. The talk on "Artificial Intelligence (AI) for Massive Internet of Things (mIoT)"
5. Co-hosted Networking Tour with IEEE Leaders session: Dialog with Leaders, at IEEE WIE International Leadership Summit (ILS), India, 2020, on 8th December 2020.
6. Partnered with the "5th Online Computer Vision and Artificial Intelligence (OnCV&AI) workshop" hosted by the Tainan section from 6 - 10 September, as a technical sponsor.
7. The chair of the IEEE Sri Lanka section delivered guest lectures on many different occasions as an invited speaker. During these sessions, the importance of IEEE membership and the professional development through IEEE are highlighted as well.
    a. Addressing IET on Campus of Sir John Kothalawala Defense University as chairperson of IEEE Sri Lanka section and Delivering the talk on "Image analysis and segmentation using deep learning" on 16th of October 2021.
        i. Number of Attendees: 20 members and 30 non-members
    b. Addressing the Signal Processing Society of Sri Lanka, as the chairperson of IEEE Sri Lanka. The impact of IEEE Signal processing society membership was highlighted during this address
        i. Number of Attendees: 20 members and10 non-members
    c. Delivered an invited talk as Chair IEEE Sri Lanka Section on Webinar series "Women Contributing to the Engineering-Based Profession and Research" held in Airmeet Platform, on the topic "Why are girls still not attracted to a career in Engineering?" , organized by IEEE EWU Student Branch, Bangladesh Section, on 26th February 2021
        i. Number of Attendees: 20 members and 30 non-members
    d. As a panel member of Workshop "EMPIRICAL – Unleash the Potential", organised by IEEE University Of Peradeniya Student Branch, on 3rd of March 2021, discuss the benefits of an IEEE membership with the participants.

i.   Number of Attendees: 20 members and 60 non-members

8. Twelve Technical Co-sponsorships were issued to IEEE Conferences

  a. Sri Lanka section offered the following technical Co-sponsorship after carefully evaluating the conference plan, objective and its benefits. During the evaluation process feedback was provided on how to improve the conference outcome to the organizers.

  b. Further two representative from the section ExCo closely worked with the conference to provide guidance where necessary as well as to maintain the quality of the activity.

Conference	Host Organization	Dates
Moratuwa Engineering Research Conference 2021 (MERCon)	University of Moratuwa	27-29 Jul 2021
International Conference on Image Processing and Robotics 2022 (ICIPROB)	Shibaura Institute of Technology, Japan | Sri Lanka Section RA Chapter	11-13 Mar 2022
International Conference on Industrial and Information Systems 2021 (ICIIS)	University of Peradeniya	9-11 Dec 2021
Electrical Engineering Conference 2021 (EECon)	University of Moratuwa	24 Sep 2021
International Conference on Lightning Protection (ICLP) International Symposium on lightning Protection/ International Symposium on lightning Protection (SIPDA) 2021	University of Colombo	20-26 Sep 2021

Conference	Host Organization	Dates
Smart Computing and Systems Engineering (SCSE) 2021	University of Kelaniya	16 Sep 2021
International conference on advancements in computing (ICAC) 2021	Sri Lanka Institute of Information Technology	9-11 Dec 2021
International Conference on advanced research in computing (ICARC) 2022	Sabaragamuwa University of Sri Lanka	23-24 Feb 2022
SLAAI International Conference on Artificial Intelligence (SLAAI-ICAI) 2021	Sri Lanka Association for Artificial Intelligence	6-7 Dec 2021
International Conference on Advances in ICT for Emerging Regions (ICTer) 2021	University of Colombo	1-4 Dec 2021
International Conference on Information Technology Research (ICITR) 2021	University of Moratuwa	1-3 Dec 2021
From Innovation to Impact (FITI) 2021	SLAAS/SLIC	8 Dec 2021

B.4 Students Activities
- Total number of Student Branches in the Section: 21
- Number of Student Branches formed in the current year: 2
- Section level student activities (student congress, paper and other contests, awards etc)

Total number of Student Branches	21	
Total number of Student Branch Chapters	37	
Total number of Student Branch WIE Affinity Groups	15	
Total number of events related to Students	Student Activities Committee	Student Branch
	7	345
Funding support provided by the Section	IEEE R10 SAC MDLT Fund 2021 (Matching Fund Policy) - $435.5 IEEE R10 MDC Fund 2021 - $130	
Funding support provided by other sources of funding	IEEE R10 SAC MDLT Fund 2021 - $400 IEEE R10 MDC Fund 2021 - $200	
	Event Name	Description
	IEEE Sri Lanka Section Congress 2020	Largest Gathering in IEEE Sri Lanka Section to Guide New and Experienced Volunteers with 320 attendees on 9th Januray 2020.
	IEEE Sri Lanka Section Awards Night 2020	Held on 17th January 2020, as an online event in parallel with IEEE SL SYW Congress 2020 to recognize the effort of enthusiastic volunteers with 320 attendees.
	Quarterly SAC & SB Chairs Meetings	Quarterly meetings with the Student Branch Chairs for the year 2021; first meeting on 26th February 2021 with 13 attendees, the second meeting on 25th June 2021 with 75 attendees, and the third meeting on 2nd October 2021 with 68 attendees.
Events (SAC)	Volunteer Briefing Session - IEEE Sri Lanka Section SAC & National Projects	A session to clarify the volunteering opportunities, job roles of them, and how to stand out from the others in application filling for volunteer roles on 14th March 2021 with 300 participants.
	Spread the Word (Student Membership Retention Activity)	Spread the Word was conducted with the aim of increasing IEEE membership within the Student Branches in the IEEE Sri Lanka section while providing the participants with insight into gaining the best out of their membership on 24th July 2021 with 338 attendees.
	IEEE Andaheraya	Andaheraya was an event that was organized in all the 20 Student Branches at the same time on the same day with more than 1600 attendees in all the Universities on 7th August 2021.

	IEEE Boost	IEEE Boost was conducted with the aim of increasing IEEE membership within the Student Branches in the IEEE Sri Lanka section while providing the participants with insight into gaining the best out of their membership on 27th August 2021 with 398 attendees.
	IEEE Techno Meetup Sri Lanka (TMSL)	TMSL is a Meetup Series and Podcasts with different cutting edge technological topics which are conducted virtually for the year 2021.
Proof and evidence in revitalizing inactive or dormant Student Branches and Chapters		After analyzing the activity levels of the SBs, two SBs were identified as inactive to an extent which was IEEE SB of UWU and IEEE SB of SUSL. Thereby, meetings were called and discussed on improving the activities of the said SBs and followed them.
Section support in volunteer training and new initiatives		Supported in IEEE Andaheraya which was initiated as a model event for the SBs to get some idea on initializing and managing events.

- Number of active Student Branches (Student Branches who have reported required number of meetings during the year): 21
- Summary of Student Branch activities (Student Branch wise with attachment table/information)

Parent OU	Administrative	Humanitarian	Nontechnical	Pre-U STEM Program	Professional	Technical	
Sri Lanka Technological Campus	6		12		14	52	84
University of Moratuwa-Sri Lanka	9		6	6	14	34	69
University of Peradeniya	1		2		9	30	42
University of Jaffna	7		7		3	14	31
University of Colombo School of Computing	3		1		1	21	26
General Sir John Kotelawal Def Univ	4		2		2	13	21
Informatics Institute of Technology		1	2	4	3	8	18
University of Ruhuna			3		3	11	17
Sri Lanka Institute of Information Technology			3		6	8	17
Uva Wellassa University			1		6	8	15
Univ Of Kelaniya			5		1	7	13
National School of Business Management NSBM			2		2	5	9
Wayamba University of Sri Lanka			3		1	4	8
Sabaragamuwa University of Sri Lanka			5		1	2	8
University of Vocational Technology			1	1	3	2	7
Rajarata University of Sri Lanka	1					6	7
University of Sri Jayawardenepura	1		4			1	6
South Eastern University of Sri Lanka SEUSL			1		2	2	5
Open University of Sri Lanka			4			1	5
University of Vavuniya			1		2	1	4
Grand Total	32	1	65	11	73	230	412

B.5 Affinity Group Activities
- Young Professional (YP)
  - IEEE LETs talk YP Track – Section Congress 2020 was held on 17-01-2021 with 250 attendees as an Online event under the Topic – The Essence of Resilient Leadership
  - AI-Driven SL – Introduction to AI with No-Code Platform was held on 13-03-2021 attendee 37 as an Online Event under the topic Introduction of AI strategic Importance & Solving complex problems
  - AI-Driven SL – Daily Application of Artificial Intelligence was held on 17-04-2021 as an Online Event under the topic Importance of AI-driven with day-to-day application

- StudPro – Creating A Competitive Resume will be held on 08-05-2021 with 70 attendees as an Online Event under the topic Write your Resume and how to customize it as per the field you are applying
- StudPro – Groom Yourself to Nail Dream Job was held on 14-05-2021 with 130 attendees as an Online Event under the topic Improve the interview skills and some tips that will make you stand out from the rest.
- AI-Driven SL – Building with AI was held on 27-05-2021 and AI-Driven SL – Multi-agent Technology was held on 31-05-2021
- StudPro – CV/LinkedIn Mentoring Session was held on 07-06-2021 as an Online Event under the topic Personalized CV/LinkedIn Mentoring Program conducted with the participation of 6 mentors and 12 mentees
- AI-Driven SL – Maths & Algorithms in AI was held on 10-06-2021 and AI-Driven SL – Open-Source ML Tools and AI as Services was held on 24-06-2021
- LETs talk – Legal Intervention for Safer Cyberspace was held on 28-06-2021
- AI-Driven SL – Big Data & Data Science was held on 08-07-2021
- AI-Driven SL – The Potential of Artificial Neural Networks for Healthcare was held on 17-07-2021
- LETs talk - IEEE UPSKILL 2021 was held on 24-09-2021 &26-09-2021 with 307 attendees and Online Event as a two-day event which includes panel discussions, tech talk & networking Sessions which was funded by IEEE R10 UPSKILL Funding for $400 and $250 from SL Section.
- StudPro – Career Fair 2021 was held on 09-10-2021 with 650+ attendees as a Virtual Career Fair with 35+ industry-leading companies which are funded by IEEE R10 Young Professional Students YP joint Fund of $400.
- IEEE Innovation Nation Sri Lanka (INSL) - INSL is a national project which gives a platform for the young entrepreneurs in the Section. It is conducted as a competition that supports the entrepreneurs by supporting and mentoring them in all the areas needed for their idea.
- IEEE Sri Lanka Inspire (SLI) - SL Inspire is a collaborative project partnered with IEEE SIGHT and SL2College. SLInspire primarily caters to school students who are currently facing their O/L's or A/L's. The core objective is for students to have a platform to help offer guidance, support, and the necessary resources in their present education level.

- Women In Engineering (WIE)
  - Guest Talk, "Personal Branding for Career Success", on the 30th of January 2021 with a participation of 50.
  - IEEE WIE Track – Section Congress 2020 was held on 17-01-2021 with a participation of 270.
  - Choose to Challenge - an online event in collaboration with 'Women in Big Data Sri Lanka', on the 12th of March 2021, with a participation of around 50 enthusiastic in celebration of International Women's Day.
  - A panel discussion on "2020 | Year of Pandemic - Covid / Cyber or Both" on the 16th of March 2021, with a participation of around 50 enthusiastic in celebration of Women's Day.
  - WIE SAC meeting on 5th September 2021 at 8:00 PM to plan of each SB AG for the year and the problems they face, Introduction to WIESymp, Introduction to CWW with the participation of the WIE ExCo and SB AG representatives from UWU, SLIIT, UCSC, YOU, UOP, UOM, SLTC, IIT, SUSL, KDU, SLTC, NSBM.
  - Code with WIE - July - November 2021 - Applications were called under the theme '*Prototype design for virtual learning while staying at home*' and 8 teams were selected from the 20 applications based on the proposal. Each group was assigned mentors for dedicated mentoring on the proposed prototype and 2 workshops were carried out as mentioned below.
    - Code with WIE - Workshop 1 was held on October 10th, 2021 10:00 AM on the topic of "Idea to Product - Ensuring Your Solutions are Feasible and Viable". The workshop was conducted by Chathuraka Waas, Director of Product Management at Cut+Dry and Training and Academy Pillar Lead at Product and Platform Council, with a participation of 20
    - Code with WIE - Workshop 2 was held on October 17th, 2021 9:30 AM on the topic of "Hypothesis Driven Design". The workshop was conducted by Mr. Yasitha

Abeynayaka, Director of Design Operations at Cambio Group, with a participation of 15.

Final competition was held on the 13th of November, 2021, starting at 11.00 am to select the winning teams of the competition.

- WIE Symposium 2021, *Reinventing for a Resilient Future* - The symposium was held on 21st of November 2021. 24 peer reviewed papers were presented under 4 technical tracks, namely, Electronic and Telecommunication, Information and Communication Technology, Intelligent Systems and Robotics, and Power and Energy. The keynote address and workshop details of the symposium are listed below.
  - Keynote Address 1: Passion and skills within and across STEM fields by Prof. Bozenna Pasik-Duncan
  - Keynote Address 2: WIE, research and innovation in Signal processing by Prof. Celia Shahnaz.
  - Workshop on cloud computing Dr. Windhya Rankothge and Ms. Pipuni Wijesiri.

- Life Member (LM): N/A

B.6 Awards & Recognition Activities

- Award constituted by the Section

1. Special Activities Awards
   - Best Sectional Project Award
   - Best Student Branch Project Award
   - Best Affinity Group Project Award (Section AG Category)
   - Best Affinity Group Project Award (Student AG Category)
   - Best Technical Chapter Project Award (Section Chapter)
   - Best Technical Chapter Project Award (Student Chapter)
   - Best Industry Collaborative Project Award (Section OU Category)
   - Best Industry Collaborative Project Award (SB OU Category)
   - Special Recognition for the Best Humanitarian Project
   - Special Recognition for Innovative/ Creative Project
2. OU Awards
   - Outstanding Student Branch Award
   - Special Recognition for Membership Recruitment & Retention
3. Individual Volunteer Awards
   - Section Outstanding Volunteer (Student Category)
   - Section Outstanding Volunteer (Member Category)
   - Outstanding Branch Counselor or Advisor Award
   - Special Recognition for Fellows
4. External Recognitions
   - Outstanding Industry Partner

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year
  - 2021- Outstanding Section Membership Recruitment and Retention Performance - Gold Awards
  - Hall of Fame award 2021 for Activities in year 2020
  - 2021 IEEE Region 10 Young Professionals Outstanding Affinity Group Award
  - IEEE FOR THE COUNTRYSIDE ("GAMMEDDATA IEEE API") – Phase 2s organized by the IEEE PES Student Branch Chapter of the University of Moratuwa has been awarded as one of the GOLD WINNERS of DARREL CHONG STUDENT ACTIVITY AWARD 2021.
  - IEEE Let's Read organised by IEEE Student Branch of SLTC [STB10125], Sri Lanka Section, has been awarded as one of the Bronze WINNERS of DARREL CHONG STUDENT ACTIVITY AWARD 2021.

- International Student Conference 2021organised by University of Moratuwa-Sri Lanka [STB10741], Sri Lanka Section has been awarded as one of the Bronze WINNERS of DARREL CHONG STUDENT ACTIVITY AWARD 2021.

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)
- Newsletter (name and number of issues in the year)
  - First issue was published in July 2021 - pdf
    - Articles - 08
    - Workshop/ event update - 12
  - Second issue was published in October 2021 - pdf
    - Articles - 08
    - Workshop/ event update - 21
  - Third issue was published in January 2022
    - Articles - 11
    - Workshop/ event update - 19

- News bulletin
  - Newly initiate the news bulletin to communicate the section news to membership.

- Home Page of the Section (give the URL and how often it is updated)
  https://ieee.lk/. (Updated every quarter)

- Other means of contacts with Section members including social media
  IEEE e-notices, IEEE Facebook page, and website.

B.8 Industry Relations
- Membership growth and retention
  We introduced local benefits to the IEEE membership holders in Sri Lanka through different industrial collaborations in order to retain the memberships. The first round of benefits is given through Dialog Axiata PLC for interested IEEE members of the Sri Lanka Section. After that we got the discount life insurance promotion in Union Assurance PLC company for our membership.

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- Activities for/with industrial members

  INDUSTRY ACADEMIA DIALOGUE FORUM

  1. What the industry expect from the undergraduate - Online sessions to give knowledge to the fresh graduates on what the industry expects from them in terms of skills and knowledge.

  2. Develop T-Shaped Skills, Optimize Your Personal Brand - Online Session to enlighten the young generation of professionals on branding themselves properly and encourage them to shape their skills to become T shaped professionals.

B.9 Humanitarian Technology Activities
- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
- SIGHT Activities

  N/A

B.10 Community Activities
- IEEE Social activities (Family day, IEEE day, Engineers Week)"
  - Due to the pandemic we couldn't host any physical community activities
  - Yet, IEEE Sri Lanka, Student Young Professionals, Women in Engineering (SLSYW) congress was held virtually. It provide virtual networking for student members.
  - Furthermore, IEEE Day was celebrated by Student Branches under strict covid guidelines.

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
  - MOU with ICTA to provide a platform for identified startups projects within IEEE forums to build their own business
  - Collaboration with IEEE SENDAI Section and to host 5th online computer vision and arti workshop
  - Invited talks and guest talks to promote IEEE within local and international Universities and other professional organizations.
  - Amending and finalizing the Bylaws of IEEE SL

- Funding secured from the IEEE and external sources including sponsorships
  - R10 SAC MDLT Fund 2021 $400.00(Rs 78,701.23)
  - R10 MDC Project Fund 2021 $200.00 (Rs 40,000.00)
  - SYWC Partnership: SLT Mobitel Rs 200,000.00
  - SYWC Partnership: CIMA Rs 100,000.00
  - [R10] Region 10 Strategic Planning and New Initiatives Survey 2021- $200
  - IEEE R10 incentives of $2500

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Partnership with Information and Communication Technology Agency of Sri Lanka (ICTA)
  - Preincubation Program - The main focus of this program is to get entrepreneurs and startup-minded individuals through programs like INSL. An MOU was signed with ICTA and IEEE Sri Lanka Section and 3 individuals were selected at the final session.
  - 10,000 Ideas Campaign - Filling the gap between having an idea and building that up to a product, IEEE Sri Lanka Section joined with ICTA on the 'ICTA 10,000 Ideas Campaign' which allows future entrepreneurs to rise above the ideation level.
- Partnership with SLASSCOM (Sri Lanka Association for Software and Services Companies)
  - TechKids- SLASSCOM has organized the program TechKids and the volunteers of the Section were given the volunteering opportunity to be a facilitator in the program to set up and run a code club for kids by providing the curriculum, trainers, follow-ups, and recognition.
- The Chair IEEE Sri Lanka, was invited to address local IET membership. The event was a publicity promotional activity.

C3. Collaboration with other IEEE Sections

- Collaboration with IEEE SENDAI Section and to host 5th online computer vision and arti workshop Joint activities with any other Section
- Provided Technical-Co-sponsorship to International Conference on Image Processing and Robotics 2022 (ICIPROB), organized byShibaura Institute of Technology, Japan with Sri Lanka Section RA Chapter

C.4 Support extended to Sub-sections & Society Chapters within the Section

- Support extended for organising technical, educational and professional activities
  - "AI Enabled Wireless Networks – A bridge from 5G to 6G" in collaboration with IEEE ComSoc Sri Lanka Chapter on 8th April, 2021
  - "Technology pathways towards commercializing nano-technology " in collaboration with IEEE IAS Sri Lanka Chapter on 25th May, 2021
  - "IEEE Sri Lanka Robotics Meetup" in collaboration with IEEE RAS Sri Lanka Chapter on 1st December, 2021
  - "Cochlea Signal Processing: Modeling and integration with machine learning" in collaboration with IEEE SPS Sri Lanka Chapter, on 3rd Jan, 2022
  - "Building a Successful Research Career" in collaboration with IEEE CS Sri Lanka Chapter and professional development committee in 12th Jan, 2022
  - "Machine Learning in Societal Benefits with focus on Earth Observation Data" along with an awareness session on IEEE GRSS on 12th Jan, 2022
  - "Frontiers of Biomedical Engineering" in collaboration with IEEE EMBS Sri Lanka Chapter on 14th Jan, 2022
    .
- Joint activities for membership development
  - Formation of IEEE Signal Processing Society Chapter was supported. This created new membership in Signal Processing Society both at Member level as well as at Student level.
  - Following two dormant chapters were reactivated. It helped to attract new members to these two chapters
    - IEEE Engineering in Medicine and Biology Society Chapter
    - IEEE Computer Society Chapter
  - Membership promotional compages with student branches
    - IEEE 'Andaheraya': (first time)
    - The specialty of this event is that it was held in 20 different Student Branches on the same date at the same time in parallel.
    - Proposal Contest:

- To encouraging the Student Branches to come up with unique and effective projects focusing on membership development and retention within the Student Branches.

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

- Initiate continuous communication with membership. This year we introduced News bulletin, which will communicate time to time (bi-monthly at present) to the membership the activities conducted by section.
- Having a very active digital presence both as Section and as ExCo members. This would improve the digital presence of the section. Each ExCo member can communicate and share information about the section and its activities through their social media and other physical activities. This elevated the presence of the IEEE Sri Lanka section.
- Create and initiate partnership government organizations. This again will improve the visibility of IEEE in the society
- Finally always recognise and appreciate the member community. Especially recognise the past contributors of IEEE Sri Lanka (or your own section)

C.6 Problems anticipated and suggestions for solutions, if any

- Legal presence is necessary for the section to function properly in the future. The incoming committee was update on this requirements
- It is essential to find outside funding for the seamless operation of IEEE Sri Lanka and its activities. But the current financial situation in the country and the pandemic is hindering external sponsorships.

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

- The national level projects will continue in 2022. A brief summary of each event and their execution is outlined here: https://sites.google.com/view/ieee-sl-students/

D.2 Goals and Future Plans

- Continue Supporting student activities as a way of encouraging student members and improving the membership development
- Improve the member engagement, especially senior members. This would serve to improve member retention
- Conduct an awareness session for senior memberships. Share requirements and details about membership applications through newsletters
- Planning to introduce field visits as a way to engage with the industry and to promote membership among professionals in the industry

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

- Plan and execute programs that can give direct benefits to Members of the industry and senior IEEE grades. Several initiatives have already been taken as mentioned above.

D.4 Business Plan for Sustainable Growth and Financial Stability.

Annextures

Title	Date	Hosts	Location	Virtual?	Options
✎ CYBERHAT 1.0 - Getting Started with Cybersecurity and Eth...	03 Jan 2021 0...	SBC10125A - ...		Yes	View
✎ Knowledge Hub 3.0 : Sri Lanka Technological Campus,IE13	04 Jan 2021 0...	SBC10125 - S...		Yes	View
Way to Wisdom : Sri Lanka Technological Campus	09 Jan 2021 0...	STB10125 - S...		Yes	View
Sinhalen DOCS Move & Xplore Workshop #3 – Youth & Invent...	10 Jan 2021 0...	STB10125 - S...	Colombo, Sri ...	No	View
IEEE SL Section ExCom Meeting 8 : Sri Lanka Section	11 Jan 2021 0...	R00002 - Sri L...	Colombo	Yes	View
Heading Towards Industry 4.0 with Disruptive Smart Technol...	11 Jan 2021 0...	STB11372 - U...	Ratmalana	Yes	View
Design a GUI Application in JAVA and MYSQL : Wayamba Univ...	12 Jan 2021 0...	STB18671 - ...		Yes	View
✎ SIP ABHISES - Day 01 : University of Moratuwa-Sri Lanka, ...	16 Jan 2021 0...	SBA10741 - U...		Yes	View
✎ Webinar on "Drives and Controls for Industrial Automatio...	16 Jan 2021 0...	SBC10741A - ...	Moratuwa	Yes	View
ANNUAL GENERAL MEETING OF IEEE NPSS STUDENT BRANC...	16 Jan 2021 0...	SBC107411 - ...	Katubedda	Yes	View
SIP ABHISES - Day 02 : University of Moratuwa-Sri Lanka, WIE	17 Jan 2021 0...	SBA10741 - U...		Yes	View
Robotics for 21st Century : University of Moratuwa-Sri Lanka,...	17 Jan 2021 0...	SBC10741H - ...	Katubedda	Yes	View
5th ExCom meeting: IEEE SL CRSS : Sri Lanka Central Region S...	18 Jan 2021 0...	R0000201 - S...		Yes	View
GCE (O/L) (Sinhala Medium) Maths Quick Revision Program : ...	20 Jan 2021 1...	SBA18671 - ...		Yes	View
PLC Workshop : University of Peradeniy,PE31	20 Jan 2021 0...	SBC18711A - ...	Kandy, Sri La...	No	View
Industry Xpectations : Informatics Institute of Technology,C16	20 Jan 2021 0...	SBC17761 - I...		Yes	View
ComSoC SL Tech Meetup 4.0-Wi-Fi Strikes Again : Sri Lanka Se...	20 Jan 2021 0...	CH10870 - Sri...	Colombo	Yes	View
Fiverr-the success formulae : Wayamba University of Sri Lanka	20 Jan 2021 0...	STB18671 - ...		Yes	View
Tech Talk 1.0 on Residential Microgrids of the Future... Today...	20 Jan 2021 0...	SBC10741G - ...	Moratuwa, Sr...	Yes	View
✎ SIP ABHISES - Day 03 : University of Moratuwa-Sri Lanka, ...	23 Jan 2021 0...	SBA10741 - U...		Yes	View
✎ Let's Read - SLTC : Sri Lanka Technological Campus	23 Jan 2021 0...	STB10125 - S...	Colombo, Sri ...	No	View
Py-Hack 2021 : Informatics Institute of Technology, WIE	23 Jan 2021 0...	SBA17761 - I...		Yes	View
SIP ABHISES - Day 04 : University of Moratuwa-Sri Lanka, WIE	24 Jan 2021 0...	SBA10741 - U...		Yes	View
Benvenuto 2021 : University of Jaffna	24 Jan 2021 0...	STB11373 - U...	Jaffna, Sri Lan...	No	View
Think positive and Inspire success : University of Moratuwa-S...	25 Jan 2021 0...	SBC10741D - ...	moratuwa, Sr...	Yes	View
LaunchPad '21 : Sri Lanka Institute of Information Technolog...	26 Jan 2021 0...	SBA08341 - S...	Colombo, Sri ...	Yes	View
Online Ex-Com Meeting of IEEE RAS Sri Lanka Section Chapte...	27 Jan 2021 0...	CH10613 - Sri...	Colombo, Sri ...	Yes	View
Annual General Meeting IEEE SL-CRSS - 2021 : Sri Lanka Centr...	29 Jan 2021 0...	R0000201 - S...		Yes	View
SIP ABHISES - Day 05 : University of Moratuwa-Sri Lanka, WIE	30 Jan 2021 0...	SBA10741 - U...		Yes	View
Guest Talk - "Personal Branding for Career Success" : Sri Lank...	30 Jan 2021 0...	WE00002 - Sr...		Yes	View