

Region 10 Section Report Format

(Please replace above heading with your Section name)

Please use the following format to submit your Section's annual report to Region 10. Please note that the annual reports are used for selecting the outstanding Sections in the region and reports submitted after the announced due date will not be considered for the award. Please do not include more than 3 photographs and preferably put them on additional pages attached to the report (please delete this paragraph in your report).

PART A - SECTION SUMMARY

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

- Section Executive Committee Member List

Post	Elected Member
Chairman (Immediate past chairman-elect)	Dr. Sanjeeva Witharana (80198150)
Chairman-elect	Dr. Sanath Jayawardana (93747567)
Immediate past chairman (ex-officio member)	Dr. Ruwan Ranaweera (80139925)
Secretary	Dr. Saranga K. Abeygunawardane (80649397)
Assistant Secretary	Dr. Sampath Kannangara (90687428)
Treasurer	Dr. Sarath Kumara (92531474)
Assistant Treasurer	Mr. Kavinga Upul Ekanayaka (90703520)
Editor	Dr. Ranga Rodrigo (90807420)
Committee Member	Mr. Subodha Charles (92440972)
Committee Member	Eng. Nalin D. Karunasinghe (41320497)
Committee Member	Mr. Tharindu De Silva (93124092)
Committee Member	Mr. Nadarajah Dheynoshan (92622222)
Committee Member	Ms. Dilrukshi Gamage (92364405)
SSR	Ms. Sachinthana Pathirana (92614304)

- Section Highlights
Sri Lanka Section has been selected to host the IEEE R10 flagship conference, named, R10-Humanitarian Technologies Conference in 2018.
- Major Events (International, National)
 - IEEE Sri Lanka Section**
 - 2016 IEEE Sri Lanka Section AGM held on 9th February 2017
 - IEEE Sri Lanka Section Family Get together in Uva Wellassa University, Badulla on 06th August 2016
 - Distinguished lecture series on “Big Data and Design Thinking” by Prof Jennifer Widom from 24th to 29th of August 2016
 - 3rd IEEE Electronic Design Competition for University Undergraduate Students
 - ICIAFS 2016 International Conference at Galle
 - SS12 ASIA 2016 – Sri Lanka Section Competition
 - IEEE Sri Lanka Section Awards Night 2016 held at Wayamba University
 -
 - IEEE Sri Lanka Central Region Subsection**
 - IEEE Sri Lanka Central Region Subsection AGM
 - Lecture on “trends in Modern Intelligent Power Grid”
 - IEEE talk on “Molecular communication: From Nature to Practice”
 - IEE talk on :High Voltage Partial Discharge Detectors”
 - IEEE talk on “Compressive Sensing for Distributed Communication Networks”
- Major Chapter Activities
 - PES**
 - IEEE PES SL Chapter AGM 2016
 - IEEE PES technical talk on applications of synchrophasors for power system protection and analysis
 - Seminar on “Intelligent systems applications in smart grid”
 - IEEE DLP talk on “Blackouts: causes and role of smart grid in their mitigation”
 - Design project competition 2016

- Technical talk on “Real Time Wide Area Monitoring System Using Synchrophasors: Monitor System Wide Disturbances

RAS

- IEEE RAS Sri Lanka Chapter AGM 2016
- Two robotics meetups followed by technical panel discussions at Virtusa Polaris Auditorium
- Provided Technical Co-sponsorship for ICIAfS 2016 and Mercon 2016

MTT

- IEEE MTT SL Chapter AGM 2017
- Workshop on “Heterodyne receivers and amateur radio system design”
- AWR workshop
- Field visit of IEEE MTT-S University of Peradeniya SBC

IAS

- IEEE IAS SL Chapter inaugural AGM
- Technical Talk on Advanced Robotics

- Major Student and Affinity Group Activities

IEEE SL YP

- IEEE Sri Lanka Young Professionals AGM 2016
- Students , Young Professionals, Women-in-Engineering (SYW) congress from 25th to 27th November 2016 themed on “Expanding Horizons”
- Lecture on “Powering Sri Lanka in the Upcoming Decade”

WIE

- IEEE WIE SL Chapter AGM 2016
- Women in Engineering Technical Forum 2016 at the auditorium of Dialog Axiata
- Students , Young Professionals, Women-in-Engineering (SYW) congress from 25th to 27th November 2016 themed on “Expanding Horizons”

SLIIT-WIE

- Charity programme on “Make them Smile”

- Awards

- Student branch of University of Peradeniya won IEEE Global Website Competition 2016
- Student branch of University of Peradeniya won IEEE Region 10 Student Branch Website Contest 2016
- Team IRIS from University of Moratuwa Student Branch won the first place at SS12 Asia 2016 Competition
- Team Wild Cards from Kothalawala Defence University won the first place at Maker fair Event in SS12 Asia 2016

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

- Summary (as per submitted L50)
- Any other financial activities

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

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

Year	Total number of active members
2014	1598
2015	1896
2016	2432

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
 - ❖ Membership Development Drive launched at University of Jaffna
 - ❖ Established five student branches in the following universities
 - Informatics Institute of Technology
 - Kotelawala Defence University
 - Sabaragamuwa University of Sri Lanka Student Branch
 - University of Kelaniya

- Open University of Sri Lanka
- ❖ Six members become Senior Members of IEEE and One Senior Member was elevated to IEEE Fellow.

The IEEE Sri Lanka Section and other subunits conducted many activities to make the membership of IEEE to have more value. Here are some:

- ❖ Several Professional Development Workshops and International Conferences with discounted registration fees for IEEE members
- ❖ Series of distinguished lectures and technical talks, especially targeting the membership
- ❖ SYW Congress to bring together the student members, young professionals, and the WIE members
- ❖ IEEE SL section awards night to appreciate achievements
- ❖ Family get together to bring the families of members together
- ❖ Several competitions among student members to provide opportunities to students to participate in various activities
- ❖ Social projects to take the message of IEEE to the community

B.2 Chapter Activities

- Total number of Chapters in the Section:
 - Six (C16, COM19, MTT17, PE31, RA24 and IA 34)
- Number of Chapters formed in the current year:
 - 01 (IEEE Industrial Applications Society (IAS))
- Number of active Chapters (Chapters who have reported required number of meetings during the year): Four
- Summary of Chapter activities (Chapter wise with attachment table/information)
 - PES** : AGM, Technical Talks, Seminars, IEEE DLP talks, design Project competitions
 - RAS**: AGM, Robotics meetups
 - MTT**: AGM, Workshops, field visits
 - IAS**: Inaugural AGM, technical talks

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

- Electronic Design Competition
- Prof. Widom's workshop series
- IEEE SL Section granted technical co-sponsorship to seven conferences; ICTer 2016, ICIAfS2016, MIES2016, EECon2016, NCTM2017, MERCon2017, ICIS2017
- For the first time, IEEE SL Section granted Financial Sponsorship to a conference ICIAfS2016

B.4 Students Activities

- Total number of Student Branches in the Section: Nine
- Number of Student Branches formed in the current year: 05
 - Informatics Institute of Technology
 - Kotelawala Defence University
 - Sabaragamuwa University of Sri Lanka Student Branch
 - University of Kelaniya
 - Open University of Sri Lanka
- Section level student activities (student congress, paper and other contests, awards etc)
 - Electronic Design competition for undergraduates
 - Active participation of social events such as family get together
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year): Four (newly formed five are yet to be submitted)
- Summary of Student Branch activities (Student Branch wise with attachment table/information):
 - Formation of University of Peradeniya Microwave Theory and Techniques Society Student Branch Chapter

B.5 Affinity Group Activities

- Young Professional (YP)
 - IEEE SL SYW Congress 2016 at Wayamba University
- Women In Engineering (WIE)
 - IEEE SL SYW Congress 2016 at Wayamba University
 - Formation of University of Colombo School of Computing Women In Engineering Student Branch Affinity Group
- Life Member

B.6 Awards & Recognition Activities

- Award constituted by the Section: Awards for Electronic Design Competition
- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year 2016
 - International IEEE Global Student Web Site and Social Media Competition 2016 winner- University of Peradeniya Student Branch
 - Student branch of University of Peradeniya won IEEE Region 10 Student Branch Website Contest 2016
 - SS12 Asia 2016 Regional Finals Winners - Team IRIS from University of Moratuwa
 - Maker Faire 2016 Winners - Team WILDCARDS from Kothalawala Defence University

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Newsletter (name and number of issues in the year): IEEE SL section Newsletter; one issue per year
- Home Page of the Section (give the URL and how often it is updated): www.ieee.lk , whenever new event, competition notice or news item is required to be included/updated
- Other means of contacts with Section members including social media; Email contacts, doodle polls

B.8 Industry Relations

- Membership growth and retention
 - ❖ Provide sponsorship for conferences, workshops, and the electronic design competition organized by the Sri Lanka Section and also by affinity groups/student sections
- Activities for/with industrial members
 - ❖ Active participation of industrial persons in the committee of IEEE SL section and its capacity building drives

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
IEEE Sri Lanka section plan to host the IEEE R10 flagship conference, named, R10-Humanitarian Technologies Conference in 2018
- SIGHT Activities

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)
 - IEEE SL Family Get together at Uwa Wellassa University

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
- Funding secured from the IEEE and external sources including sponsorships

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

- Nature of relationship and details of any formal agreement signed
- Details of joint activities
- Benefit to IEEE members (for example discounts, access to technical information etc.)
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
- Joint activities with any other Section

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

- Support extended for organising technical, educational and professional activities
- Joint activities for membership development
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section

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

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

PART D - GOALS AND PLANS

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

D.2 Goals and Future Plans

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

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