

# IEEE Sri Lanka Section Report 2018

## 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 chair-now )	Prof. Kithsiri Liyanage (02016525)
Chairman-elect	Prof Chandimal Jayawardena IEEE (41340084)
Immediate past chairman (ex-officio)	Dr. Sanath Jayawardana (93747567)
Secretary	Mrs.Dilrukshi Gamage IEEE (92364405)
Assistant Secretary	Mrs. Heshani Mahalaksha IEEE - (92629232)
Treasurer	Dr. Damith Chaturanga (92365818)
Assistant Treasurer	Mr. Kavinga Upul Ekanayake (IEEE : 90703520)
Editor	Ms Akila Wijethunga (IEEE- 92099397)
Committee Member	Dr. Dilum Bandara (IEEE – 80737022)
Committee Member	Dr. S. Wasanthapriyan (IEEE- 92298491)
Committee Member	Mr. Peshan Sampath (92418127)
Committee Member	Prof. Udayanga Hemapala (IEEE -91124487)
Committee Member	Mr. Chandana Maduranga Munasinghe (92715879)
SSR	Nuwini Chamindi IEEE - (93642430)

- Section Highlights**

- Sri Lanka Section hosted the 6th IEEE R10 Humanitarian Technologies Conference 2018 at SLIIT on 6<sup>th</sup> to 8<sup>th</sup> December 2018
- Conducted the Official acceptance of hosting SS12 Asia competition 2018 in Sri Lanka
- Electronic Design Competition at UOM, UOP, UOR and Wayamba University On 28th October 2018 - 104 groups registered for the event
- Conducted 9 sectional meetings in 2018
- IEEE SL Family Get together at Jie Jie Beach Hotel by Jetwing on 13th October 2018
- Technical co-sponsorship was given to 10 international conferences during 2018.
- Conduct six technical meet ups with the participation of national industrial experts, academia and international experts as resource persons

- Major Events (International, National)**

#### IEEE Sri Lanka Section

- IEEE Sri Lanka Section hosted R10 HTC 2018 during Dec 6<sup>th</sup> to 8<sup>th</sup> in Colombo 2018
- SS12 Maker fair and Innovation Competition with IEEE Madras section
- 2018 IEEE Sri Lanka Section AGM held on 09 February 2018 at hotel Hilton Residences Colombo
- IEEE Sri Lanka Section Family Get together at Jie Jie Beach Hotel on 26 August 2018
- IEEE PES Distinguish Lecture Program on “Atmospheric Lightning: With Special Attention to Cloud-to-Ground Flashes” by Prof. Mohd Zainal Abidin Ab Kadir, Professor, Institute of Power Engineering (IPE), Universiti Tenaga Nasional, Malaysia was held on 28th September 2018 in parallel to EECON 2018. [<photos>](#)

#### IEEE Sri Lanka Central Region Subsection

- Seminar on “Smart Grid” Date & Time: 26th April 2018 from 4.00 pm to 5.30 pm  
Presentation I: “Renewable energy policies in India” by Prof. K. Raghavan, University of Petroleum and Energy Studies (UPES), India  
Presentation II: “MicroGrid in Brazil” by Prof. Dionizio Paschoreli, University of Sao Paulo, Brazil  
Presentation III: “Next generation power electronics for smart grid” by Dr. Ajith H. Wijenayake, Imagen Energy, USA  
Venue: Department of Electrical and Electronic Engineering, University of Peradeniya  
Participation: About 30-40 students  
Collaborators: IEEE PES Sri Lanka chapter

- Guest lecture on “Corrosive Sulphur Related Power Transformer Failures”

Date & Time: 31st May 2018 from 4.00 pm to 5.00 pm  
 Title of the talk: “Corrosive Sulphur Related Power Transformer Failures”  
 Resource person: Mr. Sameera Samarasinghe, PhD student, School of Information Technology and Electrical Engineering, University of Queensland, Australia.  
 Venue: Department of Electrical and Electronic Engineering, University of Peradeniya  
 Participation: About 30-40 students  
 Collaborators: IEEE PES Sri Lanka chapter

### 3. Dream Venture (Day 2), Startups for Women

Date & Time: 2nd June 2018  
 Title of the event: Dream Venture (Day 2), Startups for Women  
 Description of event: In the day 2, the start-up proposals received were evaluated by a panel of judges. A panel evaluated the 30+ start-up proposals. Certificates and prizes were distributed at the end of day.  
 Venue: National Agriculture of Information and Communication Center, Gannoruwa  
 Participation: 150 (government organizations, universities, schools, entrepreneurs and private sector)  
 Collaborators: IEEE PES Sri Lanka chapter

### 4. Knowledge for a brighter future-2018

Date & Time: 25th October 2018  
 Title of the event: Knowledge for a brighter future-2018  
 Description of event: This event aimed to support children of a rural school. The volunteers of the program discussed and helped to improve mathematics subjects. Engineering concepts were introduced by activities which were fun to school children.  
 Venue: National Eththalagedara Thakshila Vidyalaya situated in Badulla District of Uva province  
 Collaborators: University of Peradeniya

### 5. Guest lecture on “Electronics and its Impact on Energy and the Global Environment”

Date & Time: 19th November 2018 from 4.00 pm to 5.00 pm  
 Title of the talk: “Electronics and its Impact on Energy and the Global Environment”  
 Resource person: Prof Nihal Sinnadurai CEO ATTAC, Life Fellow IEEE, Life Fellow Institute of Physics, IEEE Distinguished Lecturer.  
 Venue: Department of Electrical and Electronic Engineering, University of Peradeniya  
 Participation: About 30-40 students  
 Collaborators: IEEE PES Sri Lanka chapter

### 6. IEEE CRSS Annual Get-together

Date & Time: 1st December 2018 from 9.30 pm to 3.00 pm  
 Venue: Victoria Golf & Country Resort, Digana

### 7. Guest lecture on “Resilient Complex Electronic Systems”

Date & Time: 30th November 2018 from 4.00 pm to 5.00 pm  
 Title of the talk: “Resilient Complex Electronic Systems”  
 Resource person: Prof. Alan Purvis, Emeritus Professor in the Department of Engineering, Durham University, United Kingdom  
 Venue: Department of Electrical and Electronic Engineering, University of Peradeniya  
 Participation: About 30-40 students  
 Collaborators: None

### 8. Guest lecture on “Modeling of Modular Multilevel Converter with Embedded Energy Storage for Electromagnetic Transient Simulations”

Date & Time: 20th December 2018 from 4.00 pm to 5.00 pm  
 Title of the talk: “Modeling of Modular Multilevel Converter with Embedded Energy Storage for Electromagnetic Transient Simulations”  
 Resource person: Mr. Nuwan Herath, PhD Student, University of Manitoba, Canada  
 Venue: Department of Electrical and Electronic Engineering, University of Peradeniya  
 Participation: About 30-40 students  
 Collaborators: IEEE PES Sri Lanka chapter

### AGM and EXcom meetings in 2018

#### 1. AGM 2018:

Date and time: 19th February 2018, 3.30 pm – 4.45 pm  
 Venue: Dept. of Electrical and Electronic Engineering, University of Peradeniya

2. First EXcom meeting

Date: 13th June 2018

Venue: Dept. of Electrical and Electronic Engineering, University of Peradeniya

3. Second EXcom meeting

Date: 18th October 2018

Venue: Dept. of Electrical and Electronic Engineering, University of Peradeniya

4. Third EXcom meeting

Date: 20th December 2018

Venue: Dept. of Electrical and Electronic Engineering, University of Peradeniya

- Major Chapter Activities

### **PES**

#### Technical Events

1. 7th Symposium of the Consortium for Rapid Smart Grid Impact (CRSGI) was held on 23rd and 24th April 2018 at the CEB Auditorium, BMICH, Colombo. Around 15 resource person from local and international universities and industries shared their knowledge. In both dates, around sixty (60) participated for the event. Ceylon Electricity Board (CEB) provide the venue for free of charge and Lanka Electricity Company Private Limited (LECO) provided the financial sponsorship for the food and refreshments.

2. Seminar on ‘Smart Grid’ was held on 26th April 2018 at the Seminar room of the Dept. of Electrical and Electronic Engineering, University of Peradeniya. The speakers of the event were Prof. K. Raghavan, University of Petroleum and Energy Studies (UPES), India, Prof. Dionizio Paschoreli, University of Sao Paulo, Brazil and Dr. Ajith H. Wijenayake, Imagen Energy, USA. Around thirty were participated for the event. IEEE PES SL chapter, IEEE CRSS and IEEE PES Peradeniya Student Chapter jointly organized the event. (Jointly organized with IEEE Central Region Sub-Section Sri Lanka)

3. Guest lecture on “Multi-junction III:V Concentrator Photovoltaics with integrated thermoelectric temperature control” by Dr. Tracy Sweet, Research Fellow, Cardiff University School of Engineering, UK. Event was held on 4th May 2018 at Department of Electrical and Electronic Engineering, University of Peradeniya, Peradeniya.

4. Guest Lecture on “Corrosive Sulphur Related Power Transformer Failures” by Mr. Sameera Samarasinghe who is a PhD student at University of Queensland, Australia. Event was held on 31st May 2018 at Department of Electrical and Electronic Engineering, University of Peradeniya, Peradeniya (Jointly organized with IEEE Central Region Sub-Section Sri Lanka)

5. Technical co-sponsored for MERCON 2018 – 30th May & 1st June 2018

6. Technical sponsorship for the Semester 3 Design Project Competition 2018, at Department of Electrical Engineering, University of Moratuwa on 17<sup>th</sup> July 2018

7. IEEE PES Technical and Awareness Session at University of Jaffna on 22<sup>nd</sup> September 2018. A Guest lecture was conducted on “Designing Micro Solar Power Plants” by Dr. Asanka Rodrigo, University of Moratuwa. Further an awareness Session on "IEEE PES Student Branch Chapter: Opportunities for Students" by Mr. Chiranthana Costa, President/ IEEE PES SBC of University of Moratuwa.

8. IEEE PES DLP event: A guest lecture on “Atmospheric Lightning: With Special Attention To Cloud-To-Ground Flashes” by Professor Mohd Zainal Abidin Ab Kadir, Universiti Tenaga Nasional, MALAYSIA on 28th September 2018 at Kingsbury hotel

9. Technical sponsorship for the EECon 2018 conference, 28th September 2018 at Kingsbury hotel.

10. Chapter chair meeting representation by Dr. S. Navaratne on 6th October 2018

11. Guest lecture on “Electronics and its Impact on Energy and the Global Environment” by Prof Nihal Sinnadurai CEO ATTAC, Life Fellow IEEE, Life Fellow Institute of Physics, IEEE Distinguished Lecturer. Event was held on 19th November 2018 at Department of Electrical and Electronic Engineering, University of Peradeniya, Peradeniya (Jointly organized with IEEE Central Region Sub-Section Sri Lanka)

12. Guest lecture on “Modeling of Modular Multilevel Converter with Embedded Energy Storage for Electromagnetic Transient Simulations” by Mr. Nuwan Herath, University of Manitoba, Canada. Event was held on 20<sup>th</sup> December 2018 at Department of Electrical and Electronic Engineering, University of Peradeniya, Peradeniya (Jointly organized with IEEE Central Region Sub-Section Sri Lanka).

#### Administrative Events

1. IEEE PES AGM on 4th February 2018 at Okwin Resort Nawalapitiya. 19 members participated.
2. First EXcom meeting of IEEE PES Sri Lanka Chapter on 5th March 2018
3. Second EXcom meeting of IEEE PES Sri Lanka Chapter on 10th July 2018
4. Third EXcom meeting of IEEE PES Sri Lanka Chapter on 7th September 2018
5. Forth EXcom meeting of IEEE PES Sri Lanka Chapter on 27th November 2018

#### Social events

1. IEEE PES Annual Get-together on 4th February 2018 at Okwin Resort Nawalapitiya. Around twenty members participated for the event.

- Major Student and Affinity Group Activities

#### Activities organized by IEEE Sri Lanka Section Student Activities Committee(SAC)

1. IEEE Student Branch Officer Training - Held on 25th of March 2018 at IIT, Colombo. <[Photos](#)>
2. IEEE Electronic Design Competition 2018 - Held on 28th October 2018 at four institutes: University of Peradeniya, University of Moratuwa, University of Ruhuna, and Wayamba University of Sri Lanka. <[Photos](#)>
3. IEEE Techno Meetup 2018
4. IEEE Sports Day 2018 with collaboration of IEEE Student Branch of Open University of Sri Lanka at Open University of Sri Lanka premises.
5. Session at IEEE Awareness Programme - Held on 27th of February 2018 at Open University of Sri Lanka.
6. Session at Team Building Introductory Workshop - Held on 06th April 2018 at Help Age Sri Lanka. <[Photos](#)>
7. “Build Your Professionalism with IEEE Community” Awareness Session at National School of Business Management - Held on 14th May 2018 at National School of Business Management. <[Photos](#)>
8. A session at Awareness Programme by IEEE SB of SLTC - Held on 16th May 2018 at Sri Lanka Technological Campus. <[Photos](#)>

#### Some of the activities organized by Student Branches

1. IEEE PES Awareness & IEEE PES Day 2018 by IEEE SB of Open University of Sri Lanka(OUSL) - Held on 27th of April 2018 at OUSL. <[Photos](#)>
2. SHECODERess V2.0 by IEEE WIE SB AG of Uva Wellassa University(UWU) of Sri Lanka - Held on 13th and 14th October 2018 at UWU. <[Photos](#)>
3. Robofest 2018 by IEEE SB of Sri Lanka Institute of Information Technology(SLIIT) - Held on 6th and 7th of September 2018 at SLIIT. <[Photos](#)>
4. LetMeHack 1.0 Inter University Hackathon by IEEE SB of Sabaragamuwa University of Sri Lanka(SUSL) - Held on 24th February 2018 at SUSL. <[Photos](#)>
5. Online Entrepreneurship Workshop on Crypto Currency by IEEE SB of University of Ruhuna(UoR) - Held on 19th June 2018 at UoR.

6. Seminar on “Non resonating modes do it better!” by IEEE MTTs Chapter of University of Peradeniya(UoP) - Held on 09th of May 2018 at UoP. <[Photos](#)>
7. Code Sprint3.0 by IEEE SB/ WIE/ Computer Society of Informatics Institute of Technology(IIT) - Held on 15th January 2018 at Dialog auditorium. <[Photos](#)>

#### **IEEE SL YP**

1. Annual General Meeting - Held on 15th February 2018 at Hotel Renuka, Colombo 03. <[Photos](#)>
2. LETs talk - Second episode of LETs talk was held on 27th March 2018. Topic of the event was “How to Invest in Share Market”. <[Photos](#)>
3. StudPro 2.0 - StudPro 2.0 the career fair was held on 14th September 2018. Event held at University of Moratuwa with the participation of 81 students and 12 leading companies have attend for the recruitment. <[Photos](#)>
4. Brainstorming Session - IEEE YP Sri Lanka had its brainstorming session on 21st April 2018. The session mainly focused on YP Sri Lanka’s future directions.
5. LETs talk - Third episode of the LETs talk was held on 18th October at SLIDA. Event was jointly organized by YP Sri Lanka and World Energy Council. Topic of the event was “Microgrids and demand side management”. Talk was delivered by Prof John Fletcher from University of New South Wales, Australia.

#### **WIE**

1. IEEE WIE SL Chapter AGM 2018
2. Dream WIE track on Students, Young Professionals, Women-in-Engineering (SYW) congress from 28 to 30 December 2018 at SLTC
3. Venture Entrepreneurial workshops

#### • Awards

1. Outstanding Section membership recruitment performance
2. Larry K Wilson Regional Student Activities Award 2018
3. SS12 International Project Competition and Maker Fair Innovation Challenge - Second Runner-up University of Peradeniya
4. SS12 International Project Competition and Maker Fair Maker Fair - 1<sup>st</sup> runner up University of Moratuwa

## A.2 Financial Report –

### Bank Balances, Income and Expenses from 1st January 2018 to 31st December 2018

#### Bank Balances

Bank Account Type	Account No	Currency	Account Balance	
			As at 31/12/2017	As at 31/12/2018
Foreign Currency Account	8770020705	USD	10,447.61	17,693.81
Current account	1100022595	LKR	1,437,188.64	3,426,430.72
Fixed Deposit 1	3100050690	LKR	149,898.29	149,898.29
Fixed Deposit 2	3100050691	LKR	149,898.29	149,898.29
Fixed Deposit 3	3100050692	LKR	149,898.29	149,898.29

#### Income

Date	Description	Amount Received	
		USD account	LKR account
<b>Cash deposits</b>			
4-Jan-2018	Cash deposit (Cash in hand balance)		13,710.00
10-Jan-2018	EDC UoM Balance		10,279.00
25-Jan-2018	Cash deposit (Cash in hand balance)		4,378.00
10-Oct-2018	Cash deposit		25,000.00
14-Dec-2018	Cheque deposit from (SS12)		25,000.00
		0.00	78,367.00

#### **Interest payments**

8-Jan-2018	Interest payments for fixed deposits (3100050690,3100050691,3100050692)		10,428.00
9-Apr-2018	Interest payments for fixed deposits (3100050690,3100050691,3100050692)		10,533.93
8-Jul-2018	Interest payments for fixed deposits (3100050690,3100050691,3100050692)		10,118.43
8-Oct-2018	Interest payments for fixed deposits (3100050690,3100050691,3100050692)		10,229.64
1 Jan 2018 - 30 Nov 2018	Interest of Foreign Currency Account	265.79	
		265.79	41,310.00

#### **Funds received from IEEF**

11-Jan-2018	IEEF Fund transfer (\$600 which for \$ 350 WIE, \$250 SAC)		90,560.00
12-Jan-2018	IEEF Fund transfer (\$400 which for WIE)		60,310.00
1-Feb-2018	IEEF Fund transfer (\$200 for SAC - StudPro Competition)		30,050.00
14-Feb-2018	IEEF Fund transfer (\$250 for WIE from HTC)		38,100.00
22-May-2018	IEEF Fund transfer (\$6995 for HTC 2018 seed money)	6,995.00	

8-Jun-2018	IEEE PES Member Driven Initiative - Guest speech "Preparing for the future power demand in Sri Lanka" (\$300)		46,670.00
18-Jun-2018	Section rebate (\$10,013.30)		1,582,352.07
19-Jun-2018	IEEE Fund transfer (Rebate revision \$150)		23,352.50
2-Jul-2018	IEEE Fund transfer (\$5000 Seed money SS12)		780,250.00
3-Jul-2018	IEEE Fund transfer (250 Student award payment)		38,775.00
18-Jul-2018	IEEE Fund transfer (HAC sponsorship for SS12 - \$10,000)		1,581,250.00
31-Jul-2018	IEEE Fund transfer (PES money transfer to UOM PES Student Branch \$884)		138,847.40
31-Jul-2018	IEEE Fund transfer (PES Sponsorship 1500 USD) for SS12		235,775.00
31-Jul-2018	IEEE Fund transfer (\$370 PES Renewable Energy in School)		57,969.50
14-Aug-2018	IEEE Fund transfer (\$1000 PES Illumination)		157,450.00
14-Aug-2018	IEEE Fund transfer (CS sponsorship for SS12) \$3000		472,850.00
13-Sep-2018	IEEE Fund transfer (IEEE HAC for HTC 2018 Workshops \$5250)		839,225.00
11-Oct-2018	IEEE Fund transfer (Seed money from R10 for HTC 2018 \$5000)		841,000.00
19-Oct-2018	IEEE Fund transfer (HAC sponsorship for SYW Congress 2018 \$3000)		505,250.00
15-Nov-2018	IEEE Fund transfer (Reimbursement for SYW R10 Congress participation_P Sampath \$500)		86,500.00
10-Dec-2018	IEEE HAC Grant for Workshop at HTC 2018 (\$3000)		527,000.00
11-Dec-2018	IEEE Grant (~\$3571)		627,366.00
14-Dec-2018	IEEE PELS Grant for SYW Congress Sponsorship (\$1500)		264,500.00
21-Dec-2018	IEEE MADC sponsorship for SYW Congress 2018 (\$600)		106,550.00
		6,995.00	9,131,652.47
<b>Total income</b>		<b>7,260.79</b>	<b>9,251,629.47</b>

**Expenses**

Date	Description	Amount Paid	
		USD account	LKR account
<b>Bank charges</b>			
8-Feb-2018	Bank charge for statement	2.00	
30-Jan-2018	Bank charges		350.00
30-Jan-2018	Bank charges for statement		2,400.00
9-Jul-2018	Bank charges Statements		1,200.00
11-Jul-2018	Bank charges Cheque book		750.00
24-Jul-2018	Bank charges Cheque book postage		95.00
11-Dec-2018	Bank charges Cheque book		750.00
26-Dec-2018	Bank charges Cheque book postage		95.00
		2.00	5,640.00

**Travel grants**

15-Oct-2018	2018 R10 SYWL Congress Participants (\$250)_M. de Silva		39,500.00
15-Oct-2018	2018 R10 SYWL Congress Participants (\$250)_SAC Dewapriya		39,500.00
15-Oct-2018	2018 R10 SYWL Congress Participants (\$250)_LCRS Gunasekara		39,500.00
15-Oct-2018	2018 R10 SYWL Congress Participants (\$250)_SL Palliyage		39,500.00
15-Oct-2018	2018 R10 SYWL Congress Participants (\$250)_MKDPN Munasinghe		39,500.00
15-Oct-2018	2018 R10 SYWL Congress Participants (\$250)_PDM De Silva		39,500.00
		0.00	237,000.00

**Section payments (Including rebate, fund transfer to chapters and student branches, activity funding)**

17-Jan-2018	Cheque withdrawal (IEEE Congress Taxi fare)		15,000.00
29-Jan-2018	Cheque withdrawal (EDC 2017 Expenses)		5,055.00
30-Jan-2018	Cheque withdrawal (UOM SB second installment)		71,500.00
30-Jan-2018	Cheque withdrawal (UoP SB second installment)		21,000.00
30-Jan-2018	Cheque withdrawal (UCSC SB second installment)		55,000.00
30-Jan-2018	Cheque withdrawal (UoR SB second installment)		22,000.00
30-Jan-2018	Cheque withdrawal (IEEE YP R10 Fund)		75,500.00
30-Jan-2018	Cheque withdrawal (Career fair expenses)		13,835.00
30-Jan-2018	Cheque withdrawal (EDC 2017 cash prizes 15000, 10000, 5000)		30,000.00
30-Jan-2018	Cheque withdrawal (EDC outreach program expenses)		4,100.00
8-Jun-2018	IEEE Student branch University of Moratuwa_First installment		15,000.00
8-Jun-2018	IEEE Student branch University of Peradeniya_First installment		15,000.00
8-Jun-2018	IEEE Student Branch of SLIIT-First installment		15,000.00
8-Jun-2018	IEEE Student branch of University of Colombo School of Computing_First installment		15,000.00
8-Jun-2018	IEEE Student branch University of Ruhuna_First installment		15,000.00



8-Jun-2018	IEEE Uva Wellassa University Student Branch_First installment		15,000.00
8-Jun-2018	IEEE WUSL student Branch_First installment		15,000.00
1-Aug-2018	IEEE Student branch of IIT_First installment		15,000.00
1-Aug-2018	IEEE Student Branch of OUSL_First installment		15,000.00
1-Aug-2018	IEEE Student branch of SUSL_First installment		15,000.00
1-Aug-2018	IEEE Student branch officer training		28,461.51
1-Aug-2018	Student Branch chair meeting		3,800.00
1-Aug-2018	IEEE WIE Affinity Group Rebate (\$200+\$75 bonus)		43,458.25
27-Aug-2018	IEEE WIE A.G supporting fund for HTC project (\$250)+ WIE VEEP (\$350)+ R10 WIE Support Fund (\$400)		143,187.00
1-Aug-2018	Sri Lanka Section Chapter MTT 17 rebate (\$200)		31,606.00
1-Aug-2018	Sri Lanka Section Chapter PE31 (PES) rebate (\$200)		31,606.00
1-Aug-2018	Sri Lanka Section Chapter RA24 rebate (\$200)		31,606.00
6-Sep-2018	SS12 Funding transfer		761,095.00
27-Aug-2018	SS12 Funding transfer		300,000.00
31-Aug-2018	SS12 Funding transfer		1,300,000.00
9-Sep-2018	SS12 Cash advance for \$5000 (EPIC fund)		790,625.00
10-Sep-2018	IEEE YP rebate (\$200 + \$75 bonus)		43,458.25
3-Oct-2018	IEEE R10 HTC 2018 Seed Money		800,000.00
3-Oct-2018	IEEE Student branch University of Ruhuna /IEEE PES MDI "Illumination" Project (\$1000)		157,450.00
3-Oct-2018	M.K.D.P. Nuwan IEEE PES Renewable Energy for Schools (RES) Fund transfer (\$370)		57,969.50
11-Oct-2018	IEEE Student Branch of SLTC_First installment		15,000.00
13-Oct-2018	IEEE Student branch NSBM_First installment		15,000.00
13-Oct-2018	IEEE Student branch University of Kelaniya_First installment		15,000.00
22-Oct-2018	IEEE Electronic Design Competition Dr. Udayanga Hemapala		145,000.00
15-Oct-2018	IEEE Awards night LCRS Gunasekara (\$1000)		158,000.00
22-Oct-2018	IEEE DLP Dr. Udayanga Hemapala		7,500.00
21-Dec-2018	IEEE SL SYW Congress _Loan (\$1500)_LCRS Gunasekara		237,000.00
21-Dec-2018	IEEE SL SYW Congress _IEEE HAC funding		300,000.00
21-Dec-2018	IEEE SL SYW Congress _IEEE HAC funding		205,000.00

0.00 6,084,812.51

#### AGM 2018 Expenses

19-Jan-2018	Cheque withdrawal (Hilton Colombo AGM Down payment)		200,000.00
19-Feb-2018	Cheque withdrawal (AGM expenses)		13,884.00
19-Feb-2018	Cheque withdrawal (AGM certificate printing)		520.00
5-Mar-2018	Cheque withdrawal (AGM Balance expenses_Dr. Rasara		315,670.00

0.00 530,074.00

**SL Section expenses**

29-Jan-2018	Cheque withdrawal (Web hosting fee)		1,567.00
1-Aug-2018	Kandy club (Lunch for Excom)		28,900.00
1-Aug-2018	Web site hosting renewal (\$38.88)		6,393.88
13-Oct-2018	IEEE Family get together MMHCN Mahalaksha		45,000.00
15-Oct-2018	IEEE Family get together WRAD Wijewardena		8,000.00
15-Oct-2018	IEEE Family get together Dr. Dilum Bandara		315,000.00
		0.00	404,860.88

**Government taxes**

1 Jan 2018 - 30 Nov 2018	Withholding tax for Foreign Currency Account	12.59	
		12.59	0.00

<b>Total Expenses</b>		<b>14.59</b>	<b>7,262,387.39</b>
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## 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
2017	2219
2018	2330

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

Established three student branches in the following universities Student Branches

- Sri Lanka Technological Campus
- Rajarata University of Sri Lanka
- Vavuniya Campus of the University of Jaffna
- University of Jaffna
- University of Vocational Technology

WIE Affinity Groups

- Open University of Sri Lanka WIE Affinity Group
- Uva Wellassa University WIE Affinity Group
- University of Ruhuna WIE Affinity Group

Society Chapters - IEEE Sri Lanka Section

- Engineering in Medicine and Biology Society (EMBS)
- IEEE Communications Society Chapter (ComSoc)
- IEEE Special Interest Group for Humanitarian Technology (SIGHT)

Student Branch Chapters

- Power & Energy Society of Sri Lanka Institute of Information Technology
- Power & Energy Society of University of Jaffna

Members elevated to Senior Member Grade in 2018: 6

Number of Active Senior Members Jan 2018 was ---> 37

As at January 2019 ----> 43

- Dr. Shanmuganathan Wasanthapriyan
- Dr. Indika Perera
- Dr. Jayathu Samarawickrama
- Dr. Kanagaundaram Ahilan
- Dr. Rasika Jayathilake
- Dr. Dilum Bandara

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
- ❖ Distinguished lectures and technical talks, especially targeting the membership- A key note address is made by IEEE Fellow Prof. Nihal Sinndai
- ❖ 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
- ❖ Conduct Electronic Design Competition among the undergraduates teams with at least one student member in the team
- ❖ For the 2<sup>nd</sup> time career fair was organized in IEEE YP and it was open only for the membership
- ❖ Senior Membership Development Drive by the Section

## B.2 Chapter Activities

- Total number of Chapters in the Section
  - 7 (C16, COM19, MTT17, PE31, RA24 and IA 34, EMBS)
- Number of Chapters formed in the current year
  - IEEE SIGHT
  - EMBS
- 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  
**RAS**: AGM, Robotics meet ups <add here>  
**MIT**: AGM, <add here>  
**IAS**: AGM, <add here>

## 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
- DLP on Electrical Engineering Atmospheric Lighting at Kingburry hotel 208
- Prof Arumugam Nallanathan's DLP lecture with the collaboration with IESL
- IEEE SL Section granted technical co-sponsorship to seven conferences ICTer 2018, NITC2018, MERCon2018, ICCSE 2018, ICPEs 2018, ICITR2018, EECON2018, PPOM2018, SECE2018, (pending approval for ICITR2018, EECON2018)
- IEEE SL Section granted Financial Co-Sponsorship to a conference ICIAfs2018
- Technology Awareness Program(TAP), Educational Activities (EA) support project
- StudPro Career Fair 2018

## B.4 Students Activities

- Total number of Student Branches in the Section:
  - Fourteen
- Number of Student Branches formed in the current year:
  - Three established and two on pending approval
- 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)
  - Eleven (newly formed three are yet to be submitted)
- Summary of Student Branch activities (Student Branch wise with attachment table/information)

Student branch	Activity
<add here>	<add here>

## B.5 Affinity Group Activities

- Young Professional (YP)
- Annual General Meeting - Held on 15th February 2018 at Hotel Renuka, Colombo 03.  
<[Photos](#)>
- LETs talk - Second episode of LETs talk was held on 27th March 2018. Topic of the event was “How to Invest in Share Market”. <[Photos](#)>
- StudPro 2.0 - StudPro 2.0 the career fair was held on 14th September 2018. Event held at University of Moratuwa with the participation of 81 students and 12 leading companies have attend for the recruitment. <[Photos](#)>
- Brainstorming Session - IEEE YP Sri Lanka had its brainstorming session on 21st April 2018. The session mainly focused on YP Sri Lanka’s future directions.
- LETs talk - Third episode of the LETs talk was held on 18th October at SLIDA. Event was jointly organized by YP Sri Lanka and World Energy Council. Topic of the event was “Microgrids and demand side management”. Talk was delivered by Prof John Fletcher from University of New South Wales, Australia.
- Women In Engineering (WIE)
  - IEEE WIE SL Chapter AGM 2018
  - Dream WIE track on Students, Young Professionals, Women-in-Engineering (SYW) congress from 28 to 30 December 2018 at SLTC
  - Venture Entrepreneurial workshops [Life Member](#)

## B.6 Awards & Recognition Activities

- Award constituted by the Section
  - Awards for Electronic Design Competition,
  - Awards for SS12 International Competition and Maker fair
- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year 2018
  - Awards for SS12 International Competition and Maker fair
  - Larry K Wilson Award for Mr. Yasith Harshanath
  - Section Membership continuity Award

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

- Newsletter (name and number of issues in the year)  
Two issue per year
- Home Page of the Section (give the URL and how often it is updated)  
[www.ieee.lk](http://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, Sri Lanka Section face book page

## 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
  - Organizing technical meet ups with industry experts with an industry partner for hosting and logistic arrangements
  - Conducting career fair 2018, SS12 International competition 2018
  - Techno meet ups

- Activities for/with industrial members
  - Active participation of industrial persons in the committee of IEEE SL section and its capacity building drives
  - Take part in career fair

## **B.9 Humanitarian Technology Activities**

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.  
IEEE Sri Lanka section successfully hosted the IEEE R10 flagship conference, R10-Humanitarian Technologies Conference in 2018 with collaboration with HAC funded Robotic competition and workshop, Outreach competition and HAC workshops
- SIGHT Activities
  - Formed official IEEE SIGHT group for Sri Lanka section

## **B.10 Community Activities**

- IEEE Social activities (Family day, IEEE day, Engineers Week)”
  - ✧ IEEE SL Family Get together at Jie Jie Beach Hotel in Waduwa, Sri Lanka

# **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
  - HAC fund for Robotics competition 2000USD
  - HAC fund for Outreach competition for HTC 2018 4000USD
  - DLP PES : 500US\$
  - Educational Activities (EA) support project : 250US\$ from R10
  - R10 SYD Congress in Bali Indonesia

## **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**

- Joint activities with any other Section – Organization of ICIS conference with IEEE Dheli Section/ SS12 International Competition with IEEE Madras section

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

- Support extended for organizing 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)**

Numbering the Minutes with the unique identifier to be able to understand easily – what is the minute date and pending or not

Technical Co- Sponsorship framework with clear evaluation criteria

Section common repository in Google Drive

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

If the IEEE forced to form as a company, SL section is not in favor to register.

**PART D - GOALS AND PLANS**

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

**D.2 Goals and Future Plans**

Incorporate more industry orient project to be inclusive with them.

Regional Level conferences and collaborations

**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.  
No Business plans for the section**