

**THE INSTITUTION OF ENGINEERS,  
SRI LANKA**

# **TRANSACTIONS 2018**

**PART A**

**ANNUAL SESSIONS 2018**

**ANNUAL REPORTS 2017/2018**

**ANNUAL GENERAL MEETING - 2017/2018**

“To promote the acquisition and interchange of technical knowledge,  
advance the science and practice of engineering in all its branches and  
regulate professional activities in Sri Lanka.”

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Eng. P W Sarath  
Eng. Kosala Kamburadeniya  
Eng. W K Piyaratna  
Eng. Asoka Hewavithana  
Eng. M M M Sabri  
Eng. Dinesh Dissanayake  
Eng. S R Munasinghe  
Eng. T Bamunuarachchi  
Eng. Sampath Kumara  
Eng. Priyamal amaratunnga  
Eng. Gayan Malaviarachchi  
Eng. Sadam Ameer  
Eng. Harsha Dissanayake  
Eng. Amith Dissanayake  
Eng. Mahinda Ranasinghe  
Eng. Thilanka Rathnayake  
Eng. T Udayakumara  
Eng. Janaka Perera  
Eng. Sarfras Slassa

**IT & Computer Engineering Sectional Committee**

Eng. (Lt. Col) Dr. Chandana Gamage - Chairman  
Eng. Dileepa Lathsara – Secretary  
Eng. M S M Musthalie  
Eng. Kushan Sharma  
Eng. Vidula Hasaranga  
Eng. Achini Randeniya  
Eng. Dr Sulochana Sooriyaarachchi  
Eng. Rusiru Boralugoda  
Eng. Kasun Chathuranga  
Eng. Samudaya Nanayakkara  
Eng. M S A Afham  
Eng. Nalin Karunasinghe  
Eng. Saman Samarakoon

Eng. Jeevapadma Sandagomi  
Eng. Dr Shantha Fernando.

**Mechanical Engineering Sectional Committee**

Eng. K A B Pathirathna - Chairman  
Eng. R K A G Rathnayaka - Secretary  
Eng. L Parakrama Jayasinghe  
Eng. Arjuna Manamperi  
Eng. S D G R Sandanayake  
Eng. R M Janaka  
Eng. G S D Dahanayake  
Eng. Kamal D Wimalaratne  
Eng.(Ms)G A C Chithrangani  
Eng. K A Kathriarachchi  
Eng. Kumud M Herath  
Eng. I G D J Kamal  
Eng. K.A.L Kollure  
Eng. K C Kumbukage  
Eng. K M D Seneviratne  
Eng. A A D R Abeyesundara  
Eng. A M A J Abeywardana  
Eng. H R C Amarasuriya  
Eng. A M G R Attanayake  
Eng. G.H. Janaka Chaminda  
Eng. R A Kariyawasam  
Eng. R M N K Dharmasena  
Eng. M D K Milan

## PRESIDENT'S REPORT

Dear Members,

I am pleased to present the Annual Report of the 112th session of the IESL. I thank the membership for placing its trust and confidence in me to guide the affairs of this prestigious institution as the President for the session 2017/2018.

In my acceptance speech last year, I pledged to focus mainly on the following 5 aspects

1. Preparing IESL for the implementation of the Engineering Council Sri Lanka Act
2. Development of Engineering Education up to international standards
3. Branding the C. Eng. as a Valuable qualification
4. Engineers as Policy Makers
5. Improved Service to all Stakeholders



### Engineering Council Sri Lanka

The Engineering Council, Sri Lanka Act No. 4 of 2017, became law of the country with the publication in the Gazette of March 10, 2017. After several delays in the process, the Council of IESL under my leadership relentlessly pursued the appointment of members and Chairperson by His Excellency, the President and the establishment of the Engineering Council. The official appointment letters were sent by the Secretary - Ministry of Mahaweli Development and Environment in April 2018 and the Chairperson was appointed in July 2018. While the ECSL infrastructure and the operational staff / operations are yet to be established, I am happy to note that the Engineering Council has now commenced preliminary activities under the Chairmanship of Eng. Prof. S.B.S. Abayakoon, who incidentally will be the President Elect of the IESL 2018/2019 Council.

The Engineering Council Act is defined as *“An act to provide for the establishment of the engineering council, Sri Lanka which shall be responsible for the maintenance of professional standards and conduct of engineering practitioners; registration of different categories of engineering practitioners; and to provide for matters connected therewith or incidental thereto.”* The Council is empowered with the function of registering engineering practitioners defined under six categories viz, as Chartered Engineers, Associate Engineers, Affiliate Engineers, Incorporated Engineers, Engineering Diplomates and Engineering Technicians.

All engineering practitioners as defined in the Act are required to register with the ECSL within six months of its establishment. The ECSL will not register any person as an engineering practitioner, other than Engineering Technicians, unless the application for registration has been authorized by the relevant professional body to which such person belongs. Thus, the Chartered Engineers', Associate Engineers' and Affiliate Engineers' registration will be done only after the IESL authorizes the application. For foreign practitioners, the ECSL will be giving a temporary registration for a

maximum period of four months, provided the ECSL is satisfied about his/her relevant qualifications, which may be renewed at the discretion of the ECSL. If an engineering practitioner is practicing engineering without getting registered with the ECSL as one of the above six categories, or if it is a foreigner, without obtaining a temporary registration, he/she will be committing an offence.

The main objective of pushing for this legislation over nearly three decades by the IESL was to make sure that the Engineering Profession is regulated and only those who are qualified to practice engineering through academic qualifications, training and experience are allowed to practice at the different levels of the profession. However, we can see that there are many issues related to the functions of the IESL and ECSL that needs to be streamlined in order for the system to function smoothly, with the introduction of another layer of authority in the profession of engineering.

Up until now, the Chartered Engineers of IESL as well as foreign Engineering Bodies such as UK and Australia were practicing as Chartered Engineers in Sri Lanka. However, according to the ECSL Act, since only Chartered Engineers of the IESL will be registered, such chartered engineers of foreign Engineering bodies will need to obtain C. Eng. qualifications by becoming Corporate Members of IESL within six months of establishment of the ECSL. The Professional Standards required for the IESL Charter are monitored by the IESL Council and the membership. It is anticipated that there will be a fair number of Sri Lankan engineers who are Chartered Engineers of foreign engineering bodies who are not IESL Chartered Engineers who would be applying for the IESL Charter in the near future. During this session, IESL Council and the Standing Committee on Professional Standards Management developed standardized procedures for the Charter process, including a revised PR Rules document and a Handbook for Evaluators and made recommendations to handle the anticipated extra applications for Charter from those with foreign qualifications.

### **Engineering Education –**

The professional engineer's job is becoming more and more challenging as the world is going through the Fourth Industrial Revolution right now. A sound mathematical and physical science base is needed for engineering education, if the country is to produce engineers who are capable to face these challenges. The IESL, having the responsibility of standard setting for the practice of engineering at the Affiliate, Associate and Chartered engineer levels, needs to make sure that the educational programs in engineering offered in Sri Lanka meet the required quality standards for achieving the attributes needed for the practice of engineering locally as well as globally. With this objective, several decisions were taken by the Council to regulate the engineering education in the country. Education being a lucrative business, numerous institutes are coming up in all parts of the country, offering educational programs in engineering. Council decided not to recognize Engineering Degree programs conducted locally that are not approved by the Ministry of Higher Education. While imposing minimum entry qualifications as stipulated by the IESL, qualifying examinations were introduced for those who do not have the required minimum entry level qualifications and those who have not obtained recognized four year engineering degrees, in order to be eligible for the Associate Membership of IESL.

The recognition process for four year engineering degree programs was strengthened and several evaluations were carried out during this session. We are also making the necessary background for Technology stream students to be accommodated as Affiliate Members, by preparing the Manual for recognition of 3 year engineering degrees and engineering technology degrees.

Accreditation according to Washington Accord criteria and Sydney Accord criteria continued and we are hoping to apply for full membership of Sydney Accord in 2019.

IESL is getting ready for the continuous review by the International Engineering Alliance during the year 2019, which will result in reporting to the IEA Meetings in June 2020 for the decision on the continuation of membership, of both Washington Accord and International Professional Engineers' Agreement.

The Deans' Committee which was held regularly, once every two months, before the Meeting of the UGC standing committee on Engineering and Architecture, provided a valuable forum for discussion of issues related to engineering education, particularly in the state sector. It also became a sounding board for decisions on quality of engineering education proposed by the IESL. Matters were also discussed at the University Liaison Committee which is held once in three months.

The need for conducting training programs for evaluators of study programs and also academic staff preparing the documentation for recognition and accreditation was highlighted, and a training program is being planned with input from a foreign expert is planned for early next year.

### **Branding the C. Eng. as a Valuable qualification**

With the establishment of the Engineering Council, the value of the IESL Charter has increased tremendously, as the IESL charter will be a legal requirement for the practice of Engineering.

During this session, under the activities of the Professional Affairs Committee, we took the initiative to educate the public on the importance of engineers and engineering in the society, and to build up the image of engineers in the public eye, by participating in the Nugasevana program of the state TV channel, Rupavahini and also conducting a series of one-hour radio programs called 'Engineers' Hour', as a public service, where the engineers answered questions fielded by the public on the matters under discussion, such as membership of the IESL, engineering education, housing and construction. It is planned to continue this image promotion activity in the future too. The Civil Engineering Sectional Committee also continued to conduct several 'Building clinics', to provide free consultancy services to the public on resolving problems associated with housing and construction.

IESL also made our voice heard in the government circles by directly communicating with the Minister of Development Strategies and International Trade (MoDSIT) and the Prime Minister to discuss the issues related to engineers and the engineering industry due to the inadequate processes and lack of consultation used in drafting the Free Trade Agreements, particularly the Sri Lanka – Singapore FTA. IESL also took the lead in documenting the flaws in the signed SLSFTA with regard to the Trade in Professional Services with respect to engineering and related services. IESL had direct communication with the Secretary to the MoDSIT on the proposed FTA's with China, India and Thailand. However, IESL rejected the invitation to attend meetings where there is only one-way communication of information without prior sharing of documents for studying, and there is no stakeholder consultation. The IESL presented the case to the Presidential Committee on the SLSFTA in writing as well as in person, during the consultation period.

Recognizing the fact that the knowledge and skills of the engineers have to be continually upgraded in order to be prepared to face the challenges of the developing nation, a high emphasis was placed on providing an enabling environment for the graduates to acquire the necessary competencies to obtain the Charter in all fields of engineering, and for the chartered engineers to further improve their knowledge and skills in the specific areas, and do that without having to come to Colombo. The Continuing Professional Development Committee, along with the secretariat, while continuing to provide the CPD programs at the Colombo Headquarters, launched the Digital Learning Academy, to provide on-line learning opportunities to the members from their own offices or homes, at their own pace, under guidance of the resource persons. This is expected to provide learning facilities to

any of our members who is eager to learn a new program. In addition, the Provincial Chapters and District Centres have started in earnest to provide CPD programs to the members in their respective areas, using resource persons from their Provinces and Colombo.

### **Engineers as Policy Makers**

While engineers are the brainiest in the society, non-engineers dominate the national policy-making bodies. Engineers are often sidelined as ‘technocrats’, with highly developed ‘left brains’, but not suitable for dealing with the top level policy making, which is assumed to be the realm of those who have developed their ‘right brains’ such as sociologists, lawyers, economists and the politicians.

During this session, a Policy Forum on National Issues was initiated, with the objective of discussing with relevant core groups of top level engineers, issues related to major infrastructure and industrial policies of the Government in hampering the economic development of Sri Lanka.

Three such forums were held during the session, on the Government Circular MSD 2016/01 on Establishment of Project Management Units; Development of Sri Lanka Engineering Services for Economic and Social Development of the Country, where topics such as Structuring of Sri Lanka Engineering Services for today’s needs and retaining of qualified engineers with Sri Lanka Engineering Services were discussed; issues related to the Water Supply and Sanitation Sector, where topics such as Necessary of cost recovery water tariff organizational sustainability, water sharing for different purpose including drinking water and the challenge of finding investments necessary for service expansions were discussed. As a result of forum discussions, letters were sent to Ministry of Finance and newspaper article were published in national newspapers to create public awareness on these matters.

Several cases were brought up where the top positions in the public sector which were traditionally occupied by engineers were being designated to other cadres. IESL intervened in such cases to send letters of objection to the decision makers pointing out reasons why those positions should be designated to engineers. Recognizing the fact that the engineers who are getting into top jobs in the government sector would benefit from strengthening of skills through proper training, IESL is planning to conduct a CPD program on Public Administration for engineers. The idea of developing a suitable post graduate program on Public Administration for engineers in one of the faculties of engineering was mooted at the University Liaison Committee meeting, and there were positive responses from the Deans. These ideas will be followed up in order to provide the right skill set for the engineers in the public sector to avoid being replaced by other professionals.

### **Improved Service to all Stakeholders**

The main stakeholders of the IESL are all categories of members, those seeking membership such as students, engineering graduates, other related professionals, and the general public who are being served by the engineers. The IESL secretariat is the hub of all activities related to member services and public interface of the engineers. The efficacy of the processes within the secretariat affects all stakeholders of IESL. Several activities were done to streamline the processes of awarding membership, by revising the Professional Review Rule Book and preparation of a Handbook for Reviewers, conducting training programs, continuing to assist the Associate Members by conducting programs to assist in the preparation for the Professional Review, developing checklists for the document submission requirements, providing online CPD programs through the newly setup IESL Digital Learning Academy and setting up the eLibrary and acquiring electronic resources so that members can access the library resources without having to visit the library during working hours. A

Help Desk was introduced for members and students seeking information from IESL, particularly on membership and educational matters.

As the number of members increased over the last few years, the Wild Apricot membership management software which was implemented in 2013, reached its allotted record limit, and the decision was taken last year to introduce a new, custom built Management Information system for IESL, integrated with the up to date version of the currently used Quick-Book accounting software and a new website. Proposals were called, evaluated and the service provider was selected during the last session. The contract was signed, implementation of the new system commenced and Phase 1 of the new system, which includes mainly the membership management module integrated with the website, is scheduled to be completed in Oct 2018. The total cost of the project is nearly Rs.6 million. With the new system, most of the processes that were executed manually, including applying for membership will be automated, which will substantially improve the efficiency and accuracy of the work carried out at the secretariat. One major improvement would be the inclusion of the student members in the membership management system, thus giving them the opportunity of accessing the information in the special members' area, and receiving emails and notices through the system. Many web-based activities such as submission of CPD records and log book data, monitoring of activities throughout the training and experience period for Professional Review, and event management will be facilitated through the system. These improvements are expected to start being visible to the members and the public by 2018 year end.

The secretariat staff should be working optimally if the stakeholders are to be served to a highly satisfactory level. There were several weak areas in the Administration Manual of the secretariat which hampered the staff performance. A Human Resource Management Consultant was hired to review the Administration Manual and make recommendations on the necessary improvements to the operational aspects of the secretariat, including salary scales and Key Performance Indicators (KPI's) for the executive staff. The CEO/Executive Secretary was instructed to identify the staff training needs and provide the necessary training in order to improve the performance of the staff.

The Council elected by the membership to represent the members take decisions for the conducting affairs of the IESL. Thus it is imperative that the members are made aware of the decisions take by the Council. As such, a Council decision was taken to publish all decisions taken, on the website, every month for the information of the members.

The Techno Exhibition, which is the flagship exposition of engineering and technology of the IESL, was successfully held on 12th, 13th and 14th of October, and I wish to thank and congratulate the organizing committee and the secretariat for facing the challenges of organizing the event, despite the obstacles faced.

In a bid to decentralize the activities of the IESL which have so far been Colombo-centric, the Council decided to hold the National Engineering Conference in the Provinces, where large numbers of engineers are serving on many development projects and industries, this year. During discussions at the Provincial and Overseas Chapters and District Centres held in March, the North Western Provincial Chapter expressed its willingness to take up the challenge of hosting the National Engineering Conference in Kurunegala District. Although there were many doubts expressed about the success of reaching the target numbers of participation of members, the Conference was held very successfully, with more than 300 paid participants, and very interesting and topical presentations and lively discussions. It is hoped that the National Engineering Conference will be held in the provinces on a rotational basis in the future years, so that the members serving in all parts of the country would be benefited by the exposure.

The IESL College of Engineering continued to function under the Board of Directors appointed by the IESL Council, IESL being the sole shareholder of the establishment.

Finally, as I look back at my life so far at the IESL, starting with the appointment as the Founder Chairperson of the Women Engineers' Forum in 2002, which was the brainchild of our first ever female President of IESL, Eng. Ms. Lanka Haturusinghe, I have been actively involved in IESL activities whenever possible, whenever I was called upon, and whenever I felt that I could make a positive contribution.

I served in the capacity of chairperson of the Civil Engineering Sectional Committee in the session 2007/2008, and chaired ALL the standing committees of the IESL during the past six sessions. The experience gained by working with the members in these subcommittees and in the council, and working with thousands of engineering students and staff during my service at the University of Moratuwa helped me immensely in conducting the affairs of the IESL as the President during this session.

I wish to place on record my sincere gratitude to all the members who tirelessly contributed to the achievement of many goals during the session, by serving in the Council, Standing Committees and Sectional Committees, Young Members' Forum and Women Engineers' Forum, Techno Committee, Overseas Chapters, Provincial Chapters and District Centres, and various other ad-hoc committees. A special word of appreciation goes to the CEO/Executive Secretary, Deputy Executive Secretary and the executive and supporting staff of the secretariat for the unstinted support given for all activities during the session.

Let me take this opportunity wish the incoming President and Council all the Very Best for the session ahead, and pledge my support in all activities of the IESL to the best of my ability in the future years.

Thank you.

**Eng.(Prof.) Mrs. Niranjanie Ratnayake**

BSc Eng(Hons), MEng(Wales), MIEPSL, FIE(Sri Lanka), CEng

**President – 2017/2018**

## COUNCIL REPORT – 2017/2018

The Session 2017/2018 commenced on October 28, 2017 with the first meeting of the Council held immediately after the Annual General Meeting 2017.

### **1. COUNCIL MEETINGS : ATTENDANCE RECORD DURING THE SESSION 2017/2018**

A total of 19 meetings, including special Council meetings were held during the session.

The number of meetings attended by each of the members of the Council by October 5, 2018 is given below.

	<b>Name</b>	<b>Post</b>	<b>Total</b>
01.	Eng. (Prof) Mrs. N Ratnayake	President	19
02.	Eng. Jayavilal Meegoda	Immediate Past President	13
03.	Eng.(Dr.) Ananda Ranasinghe	Past President	16
04.	Eng.(Prof.) T M Pallewatta	President-Elect	18
05.	Eng. K P I U Dharmapala	Vice President	14
06.	Eng. Granie R Jayalath	Vice President	16
07.	Eng. A Manamperi	Vice President	16
08.	Eng. Mangala Silva	Honorary Secretary	18
09.	Eng. M G Hemachandra	Honorary Treasurer	16
10.	Eng. T M R Dissanayake	Chairman – Agri & Plant. ESC	06
11.	Eng. S S Gunawardana	Chairman – Building Services ESC	15
12.	Eng. K G H Kodagoda	Chairman – Chem & Process ESC	09
13.	Eng. L N Pallegama	Chairman – Civil ESC	16
14.	Eng. P Chulani Perera	Chairman – Elect / Electronic ESC	17
15.	Eng.(Lt.Col) Dr. C D Gamage	Chairman – IT & C ESC	18
16.	Eng. K A B Pathirathna	Chairman – Mechanical ESC	17
17.	Eng. N A Wijeyewickrema	Representative Fellow	09
18.	Eng.(Prof.) D A R Dolage	Representative Fellow	15
19.	Eng. P W Sarath	Representative Fellow	16
20.	Eng. M K Hapuarachchi	Representative Fellow	13
21.	Eng. P C Jinasena	Representative Fellow	16
22.	Eng. A P Ranjith De Silva	Representative Fellow	18
23.	Eng. M D S Wijayabandara	Representative Member	08
24.	Eng.(Prof.) J P Karunadasa	Representative Member	17
25.	Eng.(Dr.) Jagath Manatunge	Representative Member	13
26.	Eng. P D Dharmaratne	Representative Member	12
27.	Eng. S A P C Siriwardana	Representative Member	12
28.	Eng. P A Samira Anuradha	Representative Member	13
29.	Eng. H D B P Herath	Representative Member	14
30.	Eng. C R Edirimuni	Representative Member	16
31.	Eng. Dimuthu Lakmal	Representative Member	14
32.	Eng. T G Weerasinghe	Representative Member	13

## **2. COUNCIL DECISIONS**

### **(1). 1st Council Meeting on 28th October 2017**

- (i) As per the By Laws, Council established the decision to cease post of any Council member, who failed to participate in three consecutive Council Meetings without exceptional reasons.
- (ii) Following appointments were made to fill the vacancies in the new Council
  - Chairman- Chemical & Process Engineering Sectional Committee:  
Eng. K. G. H. Kodagoda
  - Representative Fellow- Eng. Nihal Wijeyewickrema
  - Representative Fellow- Eng. P W. Sarath
- (iii) Appointment of Members for Standing Committees/Sectional Committees Council Decided to circulate a notice among members to invite for sectional committees and standing committees.

### **(2). 2nd Council Meeting on 10th November 2017**

- (i) Council decided to call the nominations for Engineering Council, after finalisation of the Selection procedure and approved by the Council but to circulate the Nomination procedure as a notice among members, as it was to be taken up at the 2017 AGM. (10.11.2017).
- (ii) Council decided to implement the new Membership Reinstatement Procedure from 1st January 2018, which was approved by the Council of the session 2016/17, and inform to the Members immediately (10.11.2017).
- (iii) Council decided not to appoint Members for disciplinary committee at the beginning of the session 2017/18 but to appoint whenever it is required.
- (iv) Council appointed the following Members to the By-Laws Revision Committee
  - Eng. (Prof.) Mrs. Niranjani Ratnayake
  - Eng. Jayavilal Meegoda
  - Eng. Priyal De Silva
  - Eng. (Dr) Ananda Ranasinghe
  - Eng. (Prof.) T M Pallewatta
  - Eng. Arjuna Manamperi

The following are the other members of the Committee who were nominated by membership at the last Annual General Meeting held on October 28, 2017.

- Eng. (Dr.) Jayantha Ranatunga
  - Eng. P Thangamyil
  - Eng. P W Sarath
  - Eng. Indika Walpitige
  - Eng. Manjula Samarasinghe
  - Eng. Suran Fernando
- 
- (v) Council appointed the following Members as representatives from IESL for the OPA.
    - Eng. (Prof.) Mrs. Niranjani Ratnayake
    - Eng. (Prof.) Dayantha Wijeyesekera
    - Eng. Jayavilal Meegoda
    - Eng. Arjuna Manamperi

- Eng. M K Happuarachchi
- Eng. Nihal Wijeyewickrama
- Eng. Dimuthu Lakmal
- Eng. Chamil Edirimuni
- Eng. Hemal Peiris
- Eng. Madhawa Perera
- Eng. R C Dassanayake

### **(3). Special Council Meeting on 23rd November 2017**

Council decided to convey the following guidelines to the Directors of the IESL College of Engineering and requested to implement as an interim procedure until the final decision from the Appeal Court.

- (i) The future direction COE to be clearly established as it has become a liability to IESL as a decision has been taken that no more admissions including lateral entries shall be made to the COE as stated by president 2016/2017, at the last AGM.
- (ii) Those admitted to the COE who have produced false information with regard to qualifications, will be checked and appropriate action will be taken by the Management
- (iii) All staff of the COE (including CEO) if they are over 60 years shall not be allowed to re-new their employment contracts.
- (iv) No recruitments to IESL COE academic and non-academic staff shall be made, including advertisements for recruiting staff without council approval.
- (v) All future decisions in respect of the COE shall be taken by the Director Board of the COE, with prior consent of the Council and the CEO shall not deviate in any way in carrying out such decisions.
- (vi) All important decisions of the Board of Directors of the COE which may have future repercussions on the IESL must be first discussed and approved at Council level.
- (vii) No advertisements, verbal, visual or printed shall be published in respect of any operational matter of the COE shall be made in the public media without obtaining approval of the Council.
- (viii) All contract agreements the COE have with academic and non-academic staff shall be made available to the Council members before the Council meeting for observations and for comments.

### **(4). 3rd Council Meeting on 8th December 2017**

- (i) Council decided to call the nominations for Engineering Council, according to the proposed nomination and selection criteria by the subcommittee. Council decided to send the notice to call the nominations by Email and allocate 2 weeks period to submit the nominations and request Members to deliver the Nominations by hand (Nominee or his representative) and deposit in the box placed at IESL headquarters after making the record on the log book to ensure the submission of the Nomination.
- (ii) Council decided, to work out a detailed selection criteria to be used by the Council to select the Members to EC, before closing the Nominations.

- (iii) Council decided to inform its observation to the two Members who were appointed to the Accreditation Board by a previous Council that the appointments were made by deviating from By Laws.

#### **(5). Adjourned 3rd Council Meeting on 19th December 2017**

(i) APPOINTMENTS

- Honorary Librarian - Eng. Ms Sumanarathne
- Journal Editor - Eng. (Prof.) T M Pallewatta
- Transaction Editor – Eng.(Dr.) Jagath Manathunga
- Standing Committee on Engineering and Architecture, University Grants Commission - President
- IESL officers to IESLCOE Board of Directors – Three Vice Presidents of IESL

- (ii) Council decided to have a clear policy on participating to the events to be held outside the country. It was decided to discuss about event immediately after receiving the invitation. Also decided to establish the answers to the questions,
- is it worth to participate at the event?
  - reasons for participation
  - how many members should participate
  - who will participate?

#### **(6). 4th Council Meeting on 05th January 2018**

- (i) Council decided to hold the SGM on 23rd January 2018 at 3.00pm at Kulasinghe memorial Auditorium at IESL to consider the Resolutions Proposed by Eng. B R O Fernando and Seconded by Eng. L C R. De Silva: and also supported by more than 20 Members.
- (ii) Based on the recommendation of the Accreditation Board, Council granted the Full accreditation to the Bachelor of Science of Engineering Degree Program in Computer Engineering Conducted by the University of Peradeniya for the intake years from 2015 to 2019.
- (iii) Council decided to allow running Toast Masters Club at IESL, and provide the IESL facilities free of charge, as IESL members are benefiting from it. Council also decided to request Audited Financial Accounts from IESL Toast Masters Club for each year.

#### **(7). 5th Council Meeting on 02nd February 2018**

- (i) Council decided to submit following nominations to EC immediately.

- Eng. Jayavilal Meegoda
- Eng. A. Manamperi.
- Eng. Granie R. Jayalath
- Eng. K. P. I. U. Dharmapala
- Eng. (Prof) Ananda Jayawardena
- Eng. Tilak De Silva
- Eng. (Prof) S. B. S. Abayakoon

- (ii) Council Decided to appoint a panel consisting of a maximum of 5 members to evaluate each degree program, and the panel is to be chaired by a Senior Academic person in the relevant field, 2 Members from the Academia and 2 Members from the industry, but a minimum of 3 Members (senior Academic member be the Chairman, 1 Member from the Academia and 1 Member from the Industry) should participate in evaluation visits. Council also decided to conduct fresh evaluations for the degree programs that were not evaluated by proper panels.

#### **(8). 6th Council Meeting on 02nd March 2018**

- (i) Council decided not to continue the FEIAP Membership and inform the decision to FEIAP
- (ii) Council decided to appoint the following subcommittee to study the Financial Details and other issues of IESL COE and submit the recommendations to the Council.
  - Eng. (Dr) Ananda Ranasinghe
  - Eng. Arjuna Manamperi
  - Eng. Granie R. Jayalath
  - Eng. M G Hemachandra
  - Eng.(Prof.) D A R Dolage
  - Eng. Mangala Silva
- (iii) Council decided to allow IESL Toastmasters Club to maintain their own Bank account, but the same account to be audited through IESL Auditor. Council decided to convey the same decision to IESL Toastmasters Club
- (iv) Council decided to invite Members to participate for Accreditation Panels and also convey the details of the honorarium to be paid for the panellists.
- (v) Council decided to appoint Eng. (Commodore) Ravi Ranasinghe as the CRO and Eng. T.G. Weerasinghe, Eng.(Prof.) J. P. Karunadasa and Eng. (Prof.) J.M.A. Manatunge as AROs for the next IESL Election.
- (vi) Council decided to prepare a document and a presentation about the importance of EC, its functions and the procedures followed by the IESL Council during the selection of Members for the same and conduct the presentations on Provincial Chapters.
- (vii) Council decided to continue the Mutual agreement with Institution of Mechanical Engineers (IMechE)
- (viii) Council decided to appoint the following subcommittee to revise the Guidelines on Engineering Excellence Awards 2018

#### **Main Committee**

1. President – Eng. (Prof.) Niranjanie Ratnayake
2. President Elect – Eng. (Prof.) T. M. Pallewatta
3. Most Senior Vice president – Eng. Arjuna Manamperi

#### **Committee for Revision of Guidelines**

1. Eng. Indika Walpitage
2. Eng. Mangala Silva
3. Chairman Mechanical Engineering Sectional Committee.
4. Eng. Samantha Gunewardena
5. Past President Eng. Jayavilal Meegoda
6. Eng.(Prof.) J. P. Karunadasa

#### **Nominating Panel**

Not Appointed

- (ix) Council approved the syllabuses for the two subjects required to be passed by those who did not satisfy the entry requirements and requested to publish the syllabi in IESL website. These examinations will be held up to year 2020.

- (x) Council approved the entry requirements as stipulated in the report for those who are enrolling in engineering degree programs after 01st May 2018. A paper advertisement to be published in all 3 languages without delay, giving this information to the public.
- (xi) Council approved the request by the IESL Queensland chapter to change their Financial year as July to June, instead of January to December, when reporting their Audited Accounts to IESL Headquarters.

**(9). 7th Council Meeting on 06th April 2018**

- (i) IESL Election 2018/2019 – Council decided to post the credentials (Username and password) required for e-voting separately to the Members. Both to be delivered to the Secretariat in bulk, and one to be included with the Ballot paper packet and the other to be sent separately. Username and the Password will also be emailed, only to the Members who have requested.
- (ii) Council decided to send a reminder note to all Members about the Council Decision to remove the names of Members from Standing committees, Sectional Committees and Council; who failed to participate in three consecutive meetings.
- (iii) Council decided to invite Members to participate for Accreditation Panels and also convey the details of the honorarium to be paid for the panelists. Council decided to draft the invitation letters within two weeks.
- (iv) Council decided to organize required training programs for the Members who are willing to participate in accreditation panels.
- (v) Council decided to publish the list of degree Programs on IESL web, which are recognized or accredited clearly mentioning the time durations. Also it was decided to publish the following statement very clearly in the same page, “ degree programs which are not included in this list are not recognized by IESL”
- (vi) Council decided not to publish any details of degree Programs which are in the process of evaluation.
- (vii) Council decided to inform all educational institutes, which were recognized on the institutional basis before 2014, to obtain the recognition for their degree programs based on the new recognition system, which is implemented after 2014. Also, Council agreed to give a reasonable time period for the same process and to respond to the Council decision
- (viii) Council decided to prepare a presentation about the importance of EC, its functions and the procedures followed by the IESL Council during the selection of Members for the same and conduct the presentations at Provincial Chapters.

**(10). 7th Council Meeting (adjourned) on 23rd April 2018**

- (i) Council re-confirmed its decision on the necessity of registering Civil Engineers who are competent to carryout structural designs of up to four storied buildings in Structural Engineers Registry with a payment of RS. 1,500, preferably charged together with annual subscription.
- (ii) Council decided to hold the National Engineering Conference on 31st August 2018 at “Kshathriya Villa” hotel, Mawathagama.
- (iii) Council decided to request appointments from relevant Political leaders to discuss the adverse impact of the Free Trade Agreement between Singapore and Sri Lanka on Engineers and Engineering Profession.

**(11).8th Council Meeting on 04th May 2018**

- (i) Council decided to have Engineers' Night on Friday, 13th July 2018.
- (ii) Council decided not to recognize Engineering Degree programs, which are not approved by the Ministry of Higher Education.
- (iii) Council decided to revert back the Professional Review frequency to the originally maintained value of twice a year (Feb/ March & Aug./Sept.), as given in Professional Review Guide lines.
- (iv) Council decided to consider the effective date for Corporate Membership as the closing date of the particular session which the candidate applied to the Professional Review and completed all requirements.
- (v) Council decided to postpone implementation of the new reinstatement procedure (approved in 2nd Council Meeting held on 10th November 2017) until August 31st of 2018, thus giving a grace period to members whose membership has lapsed for more than three years. Council decided to publish a paper advertisement and notice on IESL web on the same decision.
- (vi) Council granted the approval to IESL representatives to participate in the Press Conference to be organized under the leadership of Sri Lanka Institute of Architecture, to discuss the Sri Lanka – Singapore Free Trade Agreement.

**(12). 9th Council Meeting on 01st June 2018**

- (i) Council decided to make IESL Recognition as a Pre Requirement to accredit the degree programs which have not applied for recognition/accreditation so far.
- (ii) Council decided to appoint following members to represent/discuss the related issues with CIDA and Credential Committee members of IESL.
  - 1. Eng. (Dr) Ananda Ranasinghe
  - 2. Eng. K. P. I. U. Dharmapala
  - 3. Eng. Mangala Silva
  - 4. Eng. M G Hemachandra
  - 5. Eng. Kosala Kamburadeniya
  - 6. Eng. L N. Pallegama
  - 7. Eng. S S Gunawardana
  - 8. Eng. W. N. A. M. Abesekera (ES)
  - 9. Eng. Panditharathne (DES)
- (iii) Engineering Excellence awards 2018 –Council decided to extend the closing date to submit the applications till 15.06.2018
- (iv) Council appointed Eng. Ananda Gamage as the IESL representative to the UDA Planning committee and conveyed the decision to UDA.
- (v) Council appointed Eng P. W. Sarath as IESL representative to SLSI, Sectoral Committee of Electrical Cables and Conductors.

**(13). 10th Council Meeting on 06th July 2018**

- (i) Council decided to make IESL Recognition as a Pre Requirement to accredit the degree programs which have not applied for recognition/accreditation so far.

However, Council wish to inform the Membership and the Public that, the evaluations for recognition and accreditation by IESL are catering to the local requirements and international

recognition requirements respectively, and it does not indicate Recognition is superior to the Accreditation or vice versa for Associate Membership and Charter requirements of IESL.

Council wish to inform that, this decision will supersede the relevant Council decision that “Universities or Degree awarding institutions could apply for either Accreditation or Recognition as per their choice, when a batch of engineering graduates has completed the program” taken during the last session (67.0908.18 item 4).

- (ii) Council Decided to continue the electronic voting for the election of session 2018/19 with Scytl.
- (iii) Engineers’ Night to be held at Galle Face Hotel on 15th September 2018. Target participants 350.
- (iv) Annual Sessions Seminar (FIESCA) will be held on 17th October 2018
- (v) Council decided not to grant the Full or Conditional Recognition to the Electrical and Electronic Engineering Degree Program of the General Sir John Kotalawala Defence University (KDU).
- (vi) Council decided not to grant the Full or Conditional Recognition to the Electrical and Electronic Engineering Degree Program of the South Eastern University of Sri Lanka (SEUSL).

#### **(14). 11th Council Meeting on 03rd August 2018**

- (i) Council decided to facilitate to CIDA registration until EC is established.
- (ii) Council decided to grant the Conditional recognition for two years (intake years 2013 and 2014) to South Eastern University Civil Engineering Degree Program and convey the decision to the South Eastern University & UGC

### **3. BOARD OF TRUSTEES**

Eng.(Prof.) A K W Jayawardane served as the Chairman of the Board of Trustees during the session. Eng.(Dr.) S B Wijekoon was appointed as a new member of the Board of Trustees for a period of six years with effect from November 10, 2017. Eng.(Dr.) Ananda Ranasinghe, Eng. Tilak De Silva and Eng. W J L S Fernando were serving as the other members of the Board of Trustees by the end of the session.

### **4. BENEVOLENT FUND**

Eng. (Prof.) A K W Jayawardane served as the Chairman of the Board of Management of the Benevolent Fund in his ex officio capacity as the Chairman of the Board of Trustees.

The following were the other members of the Benevolent Fund as at the end of the Session:

- Eng.(Prof.) Mrs. Niranjani Ratnayake - President
- Eng. Jayavilal Meegoda- Immediate Past President
- Eng. M G Hemachandra – Honorary Treasurer
- Eng. Priyal De Silva
- Eng.(Dr.) Ananda Ranasinghe
- Eng. P Thangamayil
- Eng. K S Senanayake
- Eng. P C C Perera
- Eng. R B Kumarapathirana

The Benevolent Fund stood at Rs. 8,376,633.51 as at 15/09/2018.

Balance as at 15-09-2017	Rs. 8,150,755.77
Contribution from 15-09-2017 to 15-09-2018	Rs. 564,618.75
Interest Income from Fixed Deposit No 75868128	Rs. 761,258.99
Fund Disbursements	Rs. (1,100,000.00)
Balance as at 15-09-2018	Rs. 8,376,633.51

During the Session an amount of Rs 1,100,000/- was provided from the Benevolent Fund to six (6) members by way of financial assistance.

#### **5. BY LAWS REVISION COMMITTEE**

The By-Laws Revision Committee for the Session 2017/2018 comprised of the following:

- Eng. (Prof.) Mrs. N Ratnayake – Chairperson
- Eng. Jayavilal Meegoda
- Eng. Priyal De Silva
- Eng. (Dr.) Jayantha Ranatunge
- Eng. (Dr) Ananda Ranasinghe
- Eng. (Prof.) T M Pallewatta
- Eng. Arjuna Manamperi
- Eng. P Thangamayil
- Eng. P W Sarath
- Eng. Indika Walpitage
- Eng. Manjula Samarasinghe
- Eng. Suran Fernando

A decision was taken to carefully review all the By Laws.

#### **6. ORGANIZATION OF PROFESSIONAL ASSOCIATIONS OF SRI LANKA (OPA)**

The following were nominated to serve in the Forum of the OPA.

- Eng. (Prof.) Mrs. Niranjani Ratnayake
- Eng. (Prof.) Dayantha Wijeyesekera
- Eng. Jayavilal Meegoda
- Eng. Arjuna Manamperi
- Eng. M K Happuarachchi
- Eng. Nihal Wijeyewickrama
- Eng. Dimuthu Lakmal
- Eng. Chamil Edirimuni
- Eng. Hemal Peiris
- Eng. Madhawa Perera
- Eng. R C Dassanayake

Eng. Chamil Edirimuni volunteered to be a member of the Seminars, Workshops and Programmes Committee & the National Issues Committee on behalf of IESL and successfully organized a Seminar on “Future of Sri Lanka Power & Energy Sector” on 8<sup>th</sup> May 2018. At the Annual Conference of the OPA held on 26<sup>th</sup> and 27<sup>th</sup> September on the theme “Innovative Digitalization”, Prof. (Mrs.) N. Ratnayake chaired the session dedicated to the Engineering Profession, and made a presentation on the track titled ‘A Blueprint for A Digital Economy’.

## 7. MEMBERSHIP

Professional Standard & Management Committee (PSMC) had held 11 regular meetings during the Session 2017/2018. In addition, 2 special meetings were held to discuss important issues related to the Professional Review Process.

The total Member count at 15<sup>th</sup> September 2017 was 19,545 and the count as at 15<sup>th</sup> September 2018 is 21,054. The table illustrates the additions, movements and removals from each category during the session.

### MEMBERSHIP DATA

MEMBERSHIP	Total as at 15.09.2017	ADDITIONS			DELETIONS				Total as 15.09..2018	Net change during the session
		Transferred	Elected	Re-instated	Transferred	Deceased	Suspended	For non-payment of Subscriptions for 2017		
FELLOWS	499	11		05		05		06	504	+5
HONORARY FELLOWS	03								03	0
MEMBERS	4,581	186	24	189	11	02		155	4,812	+231
ASSOCIATE MEMBERS	9,350	1,391	564	520	186			713	10,926	+1,576
AFFILLIATE MEMBERS	90	8	48	2	22			21	105	+15
COMPANION	11							04	07	-04
ASSOCIATES	28		2	1					31	+3
STUDENT MEMBERS	4,983		1,052		1,369				4,666	-317
TOTAL	19,545	1,596	1,690	717	1,588	7		899	21,054	+1,509

#### Please Note:

1. Student Membership is not currently maintained with the Membership Management System. However, they will be incorporated into the new Membership Management system which is to be introduced in this year.
2. During 2017/18 session 10 Fellow Members and 30 Corporate Members were transferred to Honorary Life Fellow and Honorary Life Member categories respectively. Those are not indicated separately in the above Table.

3. Recognition of engineering degrees for IESL Associate Membership -IESL evaluates undergraduate engineering degree programmes conducted in Sri Lanka in accordance with established criteria and procedures.

During 2017/2018 session, Recognition for IESL Associate Membership was awarded for the following degree programmes:

- University of Jaffna
  - Bachelor of the Science of Engineering Degree in Civil Engineering – 2013 and 2014 intakes
  - Bachelor of the Science of Engineering Degree in Electrical & Electronic Engineering - 2013 and 2014 intakes
  - Bachelor of the Science of Engineering Degree in Mechanical Engineering - 2013 and 2014 Intakes
- South Eastern University of Sri Lanka
  - Bachelor of the Science of Engineering Degree in Civil Engineering - 2013 and 2014 intakes

4. Total number of Chartered Engineers added during the year is 210 (186 transferred and 24 elected under direct route and 20 year special route).

Details of activities conducted by the PSMC during the session are given in the separate committee report.

## **8. EDUCATION**

The Education Committee had eleven (11) meetings during the session 2017/2018. The details of the activities conducted are provided in the Education Committee report.

## **9. PROFESSIONAL AFFAIRS**

The Professional Affairs Committee held 11 monthly meetings during the session.

4 major activities carried out by the Professional Affairs Committee were:

- Direct interaction with government with regard to the impact of the Free Trade Agreements on the engineering profession and the country's economic and social condition.
- Involvement with the issues related to major infrastructure projects through the newly established Policy Forum
- Radio and TV Programs for the promotion of the image of engineers among the society
- Promotion of Engineering Innovation and entrepreneurship through public lectures by distinguished speakers on the subject and the launch of the Engineering Enterprise Boot Camp (EEB) to provide guidance to the motivated engineers to start enterprises.

The details of the activities carried out during the session are indicated in the Professional Affairs Committee report.

## **10. LIBRARY & PUBLICATION**

The Library and Publications Committee had 11 meetings during the session 2017/2018. The details of the activities are provided in the Library and Publication Committee report.

## **11. CPD COURSES**

The CPD Committee conducted their activities through the Basecamp online platform, in addition to the regular monthly meetings.

Details of the courses conducted by the CPD committee during the session are given in the CPD committee report.

## **12. UNIVERSITY LIAISON COMMITTEE**

The University Liaison Committee had 3 meetings during the Session. The participation from all Universities of Peradeniya, Moratuwa, Ruhuna, Jaffna, South Eastern and Open University were highly satisfactory.

## **13. SECTIONAL COMMITTEES**

The Sectional Committees organized lectures, seminars and technical visits. The details of their activities are provided by the respective Sectional Committees in their reports.

## **14. PROVINCIAL AND OVERSEAS CHAPTERS AND DISTRICT CENTRES**

The details of activities are provided by the respective Chapters in their reports.

## **15. MEMORIAL LECTURES**

The following memorial Lectures were conducted during the Session:

- Deshabandu Vidya Jyothi Eng.(Dr.) A N S Kulasinghe Memorial Oration on the theme “Relevance of Public – Private Partnerships and the Role of Engineers’ by Mr. Thilan Wijesinghe on October 26, 2017.
- Eng B D Rampala Memorial Oration on the theme ‘Another Golden Era for Sri Lanka Railways’ by Eng. Dhammika Jayasundara on November 14, 2017
- Eng. (Prof) R H Paul Memorial Oration on the theme ‘Global Warming: Are Advanced Nuclear Reactors a Possible Solution?’ by Eng.(Dr.) Mahendra Prinath Dias on February 9, 2018.
- Eng. (Prof.) E O E Pereira Memorial Oration on the theme ‘Water Resources and Hydrological Forecasting’ by Eng. Palitha Manchanayake on September 13, 2018.
- Eng. D J Wimalasurendra Memorial Lecture on the theme ‘A new perspective for environmentally sustainable buildings and certification in developing countries’ by Eng. Mahendra Jayalath on September 17, 2018.

## **16. NATIONAL ENGINEERING CONFERENCE 2018**

The National Engineering Conference was held successfully for the fifth time on August 31, 2018 at Kshatriya Villa, Kurunegala attended by around 350 participants. Hon. Kabir Hasheem, Minister of Highways and Road Development was the Chief Guest at the inauguration of the Conference which had ‘Sri Lankan Engineering for National Development – Yesterday, Today and Tomorrow’ as its theme.

The Speakers and their Topics were as follows.

Prof. Arumugam Nallanathan – Artificial Intelligence in Internet of Things

Eng. Dr. Manodha Gamage – ICT as a Solution for a Better Future

Eng. Dr. Tilak Siyambalapitiya – Contribution from the Energy Sector

Prof. Ajith De Alwis – Nano-materials and Its Contribution to National Development

Eng. Sanjeewa Wijesinghe – Our Engineering Heritage and Lessons to be Learnt for National Development

Eng. Ganesh Dahanayake – Ancient Technologies of Metallurgy and Their Contribution to National Development

Print Media Publicity was sponsored by Wijeye Newspapers, while the Hon. Minister's media unit covered the Conference inauguration in the electronic and print media. The attendance of seminar was highly satisfactory, considering the fact that the venue was moved to the North Western Province, for the first time. The Conference organization was carried out jointly by the Wayamba Chapter and the headquarters.

### **17. JUNIOR INVENTOR OF THE YEAR (JIY)**

The details of the activities are provided in the JIY report.

### **18. YOUNG MEMBERS SECTION (YMS)**

The details of the activities are provided in the YMS report.

### **19. INDUCTION AND GRADUATION CEREMONY**

The Induction and Graduation Ceremony was held at the BMICH on August 24, 2018 with Prof. K Kapila C K Perera, Vice Chancellor of the University of Moratuwa as the Chief Guest. Prof. Clarence W de Silva, Professor of Mechanical Engineering, University of British Columbia was the Keynote Speaker. Two hundred and ten (210) candidates who successfully completed the Professional Review were inducted as Chartered Engineers and forty five (45) students who successfully completed the IESL Engineering Course were presented with certificates.

The following awards related to competitions organized by the Institution last year were also presented to the winners at this event.

#### **1. The Migara Rathnatunga Awards – 2017/2018: For University Undergraduates for their performance during Industrial Training**

Each of the following undergraduates was presented with a Cash Award and a Certificate.

No.	Category	Name	University
1	Civil Engineering	Mr. D M J M Dissanayake	Moratuwa
2	Civil & Environmental Engineering	Ms. M K J Madhavi	Ruhuna
3	Civil Engineering	Ms. D M S P Dassanayake	Moratuwa
4	Electrical Engineering	Mr. P C D Dharmabandu	Moratuwa
5	Electrical Engineering	Mr. P S Thennakoon	Moratuwa
6	Computer Science & Engineering	Mr. K M Sugathadasa	Moratuwa
7	Mechanical Engineering	Mr. K D L Rukshan	Moratuwa
8	Mechanical & Manufacturing Engineering	Mr. H W A A R Abewickrama	Ruhuna
9	Chemical & Process Engineering	Miss. R K Kotagodahetti	Peradeniya

The following undergraduates were presented with a Certificate.

Category	Name	University
Civil Engineering	Mr. A K V S Kapuge	Ruhuna
Civil Engineering	Ms. G L E P Perera	Open University
Civil Engineering	Ms. S Thadshajini	Ruhuna
Electrical Engineering	Ms. K A D G P Dilrukshi	Open University
Electrical & Information Engineering	Mr. P A D S N Wijesekara	Ruhuna
Electrical & Information Engineering	Ms. W D S Madhushika	Ruhuna
Electrical & Information Engineering	Mr. N M A U Madusanka	Ruhuna
Electronics & Telecommunication Engineering	Ms. H A S P Gunasekara	Moratuwa
Electronics & Telecommunication Engineering	Mr. E M A S Ekanayake	Moratuwa
Electrical & Electronic Engineering	Miss. E M S P Ekanayake	Peradeniya
Electrical & Electronic Engineering	Miss. D W Almeida	Peradeniya
Computer Science & Engineering	Mr. S A I M Sudasinghe	Moratuwa
Computer Science & Engineering	Mr. V M Jayawardana	Moratuwa
Computer Engineering	Ms. R P S Prasadi	Peradeniya
Computer Engineering	Ms. R P B J Alupotha	Peradeniya
Mechanical & Manufacturing Engineering	Mr. L P I Kumaratunge	Ruhuna
Mechanical & Manufacturing Engineering	Mr. H V Perera	Ruhuna
Mechanical Engineering	Mr. S Nidershan	Jaffna
Material Science & Engineering	Mr. K P I Chathurika	Moratuwa
Chemical & Process Engineering	Mr. A P V Rajithya	Moratuwa
Textile & Clothing Technology	Mr. M P S Mohotti	Moratuwa

## 2. Eng. E W Karunaratna Award – 2017/2018: For the best Undergraduate Project in Electrical Engineering

The following undergraduates received a Cash Award and a Certificate for the undergraduate project which was selected as the Best Project.

Project	Name of Student	University
Modelling of Three-phase Distribution Transformers to Investigate the Effects of Load-injected DC Current on the Operation of the Transformer and the Utility System	Mr. K. G. Lakshan Navarathna Mr. R.V.C.N. Aberathna Miss. K.A.N.C. Perera Mr. K.D.N. Sandaruwan	University of Moratuwa

The following undergraduates were presented with Certificates:

Project	Name of Student	University
Integrated Control Strategy for Grid Connected Photovoltaic Array, Battery Storage and Supercapacitor	Mr. C.M.M.R.S. Silva Miss. P.N.D. Premadasa Mr. D.M.C.T. Dassanayake Mr. R.H.A. Pradeep	University of Moratuwa
Using Nanocomposites as High Voltage Insulating Material	Mr. B. P.M. Karunaratne Mr. D.V.K. Chithradewa Mr. H. S. Kumara Mr. C. S. Weerasekara	University of Moratuwa

A Deep Learning –Based Ensemble Model for Solar Power Forecasting	Mr. Gihan Madusanka Mr. Nipun Sachintha Miss. Jayathri Pasan Miss. Thakshila Nanduni	University of Moratuwa
Physical Interface of a Solar Driven DC System	Mr. W.W.M.D.B. Wijesinghe Miss. B.H.T.S. Gunaratne Mr. H.M.K.C.B. Wijerathne	University of Peradeniya
Hyperspectral Image Analysis for Feature Detection	Miss. A.M.R. Abeysekara Mr. T.S.J. Oorloff Miss. S.S.P. Vithana	University of Peradeniya
Energy Management System of a Solar Driven DC System	Miss. D.R.D.S. Dassanayake Mr. K.K.S.U. Kodithuwakku Mr. H.M.A.A.B. Herath	University of Peradeniya
Electronic Medical Records and Tele-Medicine System for Sri Lanka MEDICUS	Mr. U.M.U. Senarathna Mr. S.C.L. Guruge Mr. D.K. Madhubhanu	University of Ruhuna
Identification of Deformations in Vertebral Column using Posture Analysis	Mr. L.G.U.P. Gunawardena Mr. K. A. B. I. Kuruppu Miss. E.A.N.D.C. Edirisinghe	University of Ruhuna
Wireless Underwater Communication Link for ROV Motor Control	Mr. W.M.A.K. Sangeeth Mr. P.A.D.S.N. Wijesekara Mr. H.S.C. Perera	University of Ruhuna
Failure Mode Analysis of Impulse Failure of Distribution Transformers and its Mitigation	Mr. H. P. D. S. Madhuranga	Open University of Sri Lanka
Identification of the Generation Capacity and Operation Policy for Broadlands Minihydro Power Plant	Mr. R.K.N.P. Kumara	Open University of Sri Lanka
A Smart LED Lighting Application with Supercapacitor -Battery Hybrid System for off-grid Solar PV System	Mr. A.G.M. Lokuliyana	Open University of Sri Lanka
Analysis of Accumulated Network Traffic Distributions	Miss. P.G.P.S.I. Panangala	Open University of Sri Lanka

### 3. Late Eng. Nimal Chandrasena Award - Young Members' Section

Award for the Best Papers presented by Young Members under 35 years at the Annual Sessions.

#### YOUNG MEMBERS' TECHNICAL CONFERENCE – 2017

##### Award Winners

Title of Paper	Author/s	Award
Design and Development of a Weighing Bridge Management System for Lakvijaya Power Station	Eng. R M N Rathnayake	FIRST PLACE
Total Project Cost Estimation of Mixed Use Development Projects	Eng. Dulanjan P Uduge	SECOND PLACE
Treetbot: An Autonomous Tree Climbing Robot Utilizing Four Bar Linkage System"	Ms. T N Gallege, Mr. B C Widanagamage and Mr. S Salgado	THIRD PLACE

### 4. Late Eng. N D Peiris Memorial Award – 2017

Award for the Best 'A' Paper on Water Supply and Sanitation at the Professional Review Examinations of February/March 2016 and May/June 2017.

Award Winner : Eng. H A C Jayamangala

### 5. Following Junior Inventors were awarded scholarships:

No	Name	School	Product Name
1	Master S M C B Munasinghe	Vidyarthi College, Kandy	Smart Walking Stick
2	Master Kirushnaraj Abisek	Thadchanamaruthamadu Maha Vidyalaya, Mannar	Electric Hammer
3	Master M M Saluka Udbhasa	D S Senanayake College, Colombo 7	Smart Headlight Assistant with Drowsiness Detector
4	Master Selvakumar Abishek Raj	Highlands College, Hatton	Super Power Bag
5	Master H A C N Gayangana Hettiarachchi	Mayurapada Central College, Narammala	Rubbish & Sand Separated Dustpan

## 20. REGISTERING OF INTERNATIONAL PROFESSIONAL ENGINEERS

The Registration Board had 6 meetings during the session. Twelve new International Professional Engineers were admitted during the year. The names are stated below.

- Eng. S H U De Silva IntPE – 104
- Eng. H P Goonatillake IntPE – 105
- Eng. K P W Asiri Indika IntPE – 106
- Eng. P H R Hewageegana IntPE – 107

- Eng.(Dr.) S Wickramaratne IntPE - 108
- Eng. D Medagama IntPE – 109
- Eng.(Mrs.) H Umadevi IntPE – 110
- Eng. L Subaharan IntPE – 111
- Eng. P W Sarath IntPE – 112
- Eng. J J P Nirmalaraja IntPE – 113
- Eng. D R N Jayasuriya IntPE – 114
- Eng.(Ms.) K M R N Konara IntPE - 115

## **21. ACCREDITATION OF ENGINEERING DEGREE PROGRAMMES**

- A. The accreditation already granted to each of the following degree programmes was extended during the session to cover the intake years indicated, after assessing the respective degree programs for reaccreditation:
- Bachelor of the Science of Engineering Degree Program specialization in Computer Engineering conducted by the University of Peradeniya for the intake years from 2015 to 2019
  - Bachelor of the Science of Engineering Degree Program specialization in Electrical and Electronic Engineering conducted by the University of Peradeniya for the intake years from 2018 to 2022

The evaluation of the above mentioned four year full time degree programs was done in accordance with the guidelines provided in the Engineering Degree Program (Four Year) Accreditation Manual.

- B. An accreditation visit was made by an evaluation panel to the Sri Lanka Institute of Information Technology in March 2018 to assess for accreditation, eight four year engineering degree programs the Institute conducts. Evaluation report is pending.
- C. An application was received from the University of Moratuwa to reaccredit its degree program in electrical engineering.
- D. Arrangements were made to conduct training programs on accreditation related matters for program evaluators and academics in January next year. Resource person will be Prof. Julia Lamborn, Associate Dean (Education) of the Faculty of Engineering, Monash University, Australia

## **22. PARTICIPATION AT INTERNATIONAL EVENTS**

Eng.(Prof.) Mrs. Niranjanie Ratnayake, President attended the Engineering Regional Workshop organized by the UNESCO Office, Jakarta held from 21 – 22, December 2017 in Jakarta, Indonesia. The visit was sponsored by the UNESCO.

Eng. Jayavilal Meegoda, Immediate Past President, Eng. Arjuna Manamperi, Vice President and Eng. Granie Jayalath, Vice President represented the Institution at 15<sup>th</sup> Convention of the Nepal Engineers' Association (NEA) held in Kathmandu, Nepal from March 21-23, 2018.

Eng. Jayavilal Meegoda in his capacity as the President-FEISCA attended the Panel Discussion of the Head of delegates of FEISCA member countries and the General Meeting of the Federation of Engineering Institutions of South and Central Asia (FEISCA) which were also held to coincide with the 15<sup>th</sup> Convention of NEA.

Eng. Jayavilal Meegoda – Immediate Past President participated the INTEL ISEF competition held in Pittsburgh, Pennsylvania, USA from May 13 – 19, 2018

Eng.(Prof.) Mrs. Niranjanie Ratnayake - President participated the Engineering Convention, Award Presentation and Gala Nite 2018 of the New South Wales (NSW) Chapter from June 8 - 9, 2018 at the Engineers Australia Auditorium, Chatswood, Australia.

Eng.(Prof.) Mrs. Niranjanie Ratnayake – President, Eng. Jayavilal Meegoda – Immediate Past President, Eng.(Prof.) T M Pallewatta - President Elect and Eng. Neil Abeysekera, CEO/ Executive Secretary represented the Institution at the midterm meetings of the International Engineering Alliance (IEA) Meetings 2018 held from June 24-29, 2018 in London, UK.

During this session too, IESL conducted the Professional Review ‘B’ Paper Aug/Sept examination in Qatar on 9<sup>th</sup> September 2018. Eng. (Prof) T M Pallewatta, President Elect visited IESL Qatar Chapter and attended as an Observer. The visit was sponsored by the IESL Qatar Chapter members.

### **23. FEISCA**

The 53<sup>rd</sup> Executive Committee Meeting of the Federation of Engineering Institutions of South and Central Asia (FEISCA) will be held on 17<sup>th</sup> October 2018 at 18.00hrs at the Hilton Colombo Residencies under the Chairmanship of Eng. Jayavilal Meegoda, President - FEISCA.

A FEISCA Regional Conference on the theme “Engineering the Sustainable Development Goals – National Strategies and Challenges” will be held on 17<sup>th</sup> October 2018 at Hilton Colombo Residencies, with the participation of all of its member countries.

### **24. IESL COLLEGE OF ENGINEERING**

The Council appointed the following members to the Board of Directors of the College for the Session 2017/2018:

- Eng. Arjuna Manamperi
- Eng. J A G R Jayalath
- Eng. K P I U Dharmapala

The following served as the Ex-officio Members of the Board of Directors for the Session 2017/2018.

Eng. (Prof.) Mrs. N Ratnayake	President
Eng. Jayavilal Meegoda	Immediate Past President
Eng. (Prof.) T M Pallewatta	President-Elect
Eng. Neil Abeysekera	CEO/Executive Secretary

### **25. NOMINATIONS TO OUTSIDE BODIES**

At the request of various Ministries and State Sector organizations the following members were nominated by the Council to serve in the Governing Boards and Committees as indicated.

- Standing Committee on Engineering and Architecture, University Grants Commission - Eng.(Prof.) Mrs. N Ratnayake
- Credential Committee of the CIDA - Eng. Priyal de Silva and Eng. L.C.R. de Silva
- Sri Lanka Standards Institution, Member of the Council -Eng. Mangala Silva
- National Science Foundation, Board of Management -Eng. J Meegoda
- Governing Council of the Sri Lanka Institute of Advanced Technical Education - Eng. J. Meegoda

- National Advisory Council on Construction, Ministry of Housing & Construction – Eng. (Dr.) Kamal Laksiri
- Main Planning Committee of the UDA - Eng. (Prof.) Mrs. N Ratnayake & Eng. Ananda Gamage
- Board of Management of the Postgraduate Institute of Management - Eng. J Meegoda
- Board of Governors of the University of Vocational Technology - Eng. J Meegoda
- Board of Management of the CIDA - Eng. K P I U Dharmapala
- Council of Advisors, Sri Lanka Energy Managers Association - Eng. J Meegoda
- Organizing Committee of ‘Peoples Leaders’ Awards 2017’, IPM - Eng. J Meegoda
- Disciplinary Committee for Investigations of the CIDA – Eng. (Prof.) D.A.R. Dolage
- Appeals Board of the CIDA – Eng. W Gamage
- Advisory Council on Condominium Management, Ministry of Housing & Construction – Eng. M N A Samad
- Committee to Revise the Guidelines on Antenna Structures, Telecommunications Regulatory Commission of Sri Lanka – Eng. M N A Samad
- Faculty Industry Consultative Board of the Faculty of Engineering, University of Moratuwa – Eng. J Meegoda
- Committee to draft Guidelines for preparation of Engineering Estimates, C I D A -Eng. WTDP Pathmendra
- Technical Evaluation Committee of the National Building Research Organization -Eng. WTDP Pathmendra
- National Building Code of Sri Lanka, C I D A - Eng. S S Gunawardana, Eng. Mangala Silva, Eng. Lalith Pallegama & Eng. R Ganeshwaran
- Railway Electrification Project of the Ministry of Transport -Eng. A N P Wickremasuriya
- NSF Steering Committee on Women in Science, Technology. Engineering and Mathematics, National Science Foundation -Eng. Prof. (Mrs) N Ratnayake
- Working Committee on National Building Code for Sri Lanka, C I D A - Eng. (Dr.) Ananda Ranasinghe & Eng. S S Gunawardana
- Committee on Drafting Adjudication Act, C I D A - Eng. A C Rasiah
- Board of Directors of the Construction Industry Skills Council – Eng. Mangala Silva
- Sectoral Committee on Electric Cables and Conductors, S L S I - Eng. P W Sarath
- Organizing Committee for IWA Water and Development Congress & Exhibition 2019, Ministry of City Planning & Water Supply – Eng.(Prof.) Mrs. N Ratnayake
- Committee to Revise the Promotion scheme For the Engineering Services Dept. - People’s Bank, Eng. M D S Wijayabandara
- Committee for Preparation of Contract Management Guidelines, C I D A - Eng. Kosala Kamburadeniya
- Evaluation Panel for Skills Competition, NCASL – Eng. Mangala Silva & Eng. N A Wijeyewickrema
- Revision of CIDA Publication – Eng. D U Amarasinghe, Eng. Kosala Kamburadeniya & Eng. Chandana Dalugoda
- Technical Evaluation Committee for Vertical Transportation System in Multistory Buildings, NBRO - Eng. D U Amarasinghe

## **26. UNVEILING OF THE PHOTOGRAPH OF THE IMMEDIATE PAST PRESIDENT**

The photograph of the Immediate Past President - Eng. Jayavilal Meegoda was unveiled during a ceremony held on August 3, 2018.

## **27. OBITUARIES**

The Council records with deep regret the passing away of the following members brought to its notice during the Session 2017/2018.

- |                                   |         |
|-----------------------------------|---------|
| • Eng. G D S Gunasekara           | HLF-299 |
| • Eng. R R V Pathirana            | M-1580  |
| • Eng. K Suntharalingam           | M-504   |
| • Eng. T K G Ranasinghe           | HLF-482 |
| • Eng. J K Lankathilake           | HLF-559 |
| • Eng. G W D M Goonaratne         | F-659   |
| • Past President Eng. D L Taldena | HLF-623 |
| • Eng. K K J Kodituwakku          | HLF-459 |

## **28. IMPROVEMENTS TO INFRASTRUCTURE FACILITIES**

Installation of Solar Power System was completed on 12<sup>th</sup> March 2018, Rearrangement of Payment division and construction of Member rest rooms & changing rooms were completed on 09<sup>th</sup> August 2018. Renovation of 1<sup>st</sup> floor and 2<sup>nd</sup> floor wash rooms of the main building were concluded on 10<sup>th</sup> July 2018.

## **29. MEMBERSHIP MANAGEMENT SYSTEM**

Agreement was signed on 05<sup>th</sup> May 2018 with Procons Infotech (Pvt). Test run of the Phase 1 is in progress after analysing user & System Requirement.

## **30. STAFF MOVEMENTS AT THE SECRETARIAT**

### **a. New Appointments**

- i. Mr. Asantha Silva, Accountant from July 17, 2018
- ii. Eng. Nihal Jayamaha, as the Director(Accreditation) from August 15, 2018

### **b. Resignations/ Retirements/ Ends of Contract**

- i. Mr. Sasitha Madanasinghe, Accountant from November 24, 2017
- ii. Mrs. S K Dayakanthi, Secretarial Assistant / Receptionist from February 28, 2018
- iii. Mr. Malith Kannangara, Manager(Operations, Sales and Marketing) from May 5, 2018
- iv. Mr. Dhammika Ratnayake, Assistant Librarian from September 28, 2018
- v. Ms. W A N Wanigabadu, Manager (Finance) from September 28, 2018
- vi. Eng. Ms. Arundathi Wimalasuriya, Director (Accreditation) from October 15, 2018

## **31. ELECTIONS TO THE COUNCIL FOR THE SESSION 2017/2018**

The following were the Returning Officers for the elections for the Session 2018/2019:

- i. Eng.(Rear Admiral) K W A R I Ranasinghe - Chief Returning Officer
- ii. Eng. (Prof.) Jagath Manatunga – Assistant Returning Officer
- iii. Eng. (Prof.) J P Karunadasa - Assistant Returning Officer
- iv. Eng. T G Weerasinghe – Assistant Returning Officer

Eng. (Prof.) T M Pallewatta will be the President for the Session 2018/2019, having been elected as the President-Elect at the Elections held for the Session 2017/2018.

The notice calling nominations for all posts to be vacant in the Council for the Session 2018/2019 was issued on 8<sup>th</sup> May 2018 with the deadline for receiving nominations set at 4.00 p.m. on 30<sup>th</sup> May 2018.

The following were elected uncontested:

Past President	- Eng.(Dr.) A Ranasinghe
Honorary Secretary	- Eng. K S M Silva
Chairman – Building Services Eng. Sect. Comm.	- Eng. H S S Fernando
Chairman – Electrical, Electronic & Telecom ESC	- Eng. P C C Perera
Chairman – IT & Computer Eng. Sect. Comm.	- Eng. M P D Lathsara
Chairman, Mechanical Engineering Sect. Com.	- Eng. K A B Pathirathna (Note 1)

Note1:

Out of the two (2) nominations received for the Post of Chairman, Mechanical Engineering Sectional Committee, one was subsequently withdrawn and thus there is no contest for this Post.

No valid nominations were received for the following post, which shall be filled as per By law 52(b)

Chairman, Chemical & Process Engineering Sectional Committee

Chairman, Agricultural & Plantation Engineering Sectional Committee

The following three (3) Fellows representing Class of Fellows will continue in the Council till the end of their term of office:

- i. Eng. A P Ranjith De Silva
- ii. Eng. (Prof.) D A R Dolage
- iii. Eng. Prabodha Jinasena

The following five (5) Members representing the Class of Members will continue in the Council till the end of their terms of office.

- i. Eng. (Prof.) J P Karunadasa (Above 40 yrs)
- ii. Eng. (Dr.) Jagath Manatunge (Above 40 yrs)
- iii. Eng. T G Weerasinghe (Above 40 yrs)
- iv. Eng. Chamil Edirimuni (Below 40 yrs)
- v. Eng. Dimuthu Lakmal (Below 40 yrs)

The Election was held for the following posts:

- i. President-Elect
- ii. Vice Presidents
- iii. Honorary Treasurer
- iv. Chairman, Civil Engineering Sectional Committee
- v. Representatives – Fellows
- vi. Representatives – Members (Above-40)
- vii. Representatives - Members (Below-40)

Voting (both Paper & Electronic) for Elections to the Council 2018/2019 commenced on the 16<sup>th</sup> July 2018 with the posting of election material, and was closed with the sealing of the ballot box on 20<sup>th</sup> August 2018 at 2.00 p.m. The counting commenced at 9.00 am on 21<sup>st</sup> August 2018.

The Results are as follows:-

Vacancies	Post of President-Elect	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng. Prof. S B S Abayakoon	547	607	1154	Elected
	Eng. Dr. Kamal Laksiri	358	368	726	

Vacancies	Posts of Vice Presidents	Paper Votes	E-Votes	Total No. of Votes	Remarks
3	Eng. Dharmapala – K P I U	538	512	1050	Elected
	Eng. Granie R Jayalath	499	499	998	Elected
	Eng. Kosala Kamburadeniya	422	451	873	
	Eng. Arjuna Manamperi	502	585	1087	Elected

Vacancies	Post of Honorary Treasurer	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng. Samantha Gunawardana	406	418	824	
	Eng. M G Hemachandra	407	456	863	Elected

Vacancies	Post of Chairman, Civil Engineering Sectional Committee	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng. R C Dassanayaka	253	302	555	
	Eng. Prof. Ranjith Dissanayake	558	586	1144	Elected

Vacancies	Posts of Representatives – Fellows	Paper Votes	E-Votes	Total No. of Votes	Remarks
3	Eng. Malith Mendis	412	447	859	Elected
	Eng. P W Sarath	549	620	1169	Elected
	Eng. P Thangamayil	404	364	768	
	Eng. Nihal Wijeyewickrema	474	540	1014	Elected

Vacancies	Posts of Representatives – Members (Above 40)	Paper Votes	E-Votes	Total No. of Votes	Remarks
2	Eng. Lalith De Alwis	160	114	274	
	Eng. P Dhammika Dharmaratne	224	270	494	
	Eng. Lalith Pallegama	279	327	606	Elected
	Eng. Manjula Samarasinghe	226	296	522	Elected
	Eng. H C J Thilakarathne	248	265	513	
	Eng. Major Nishsanka Wasalabandara	132	122	254	
	Eng. Sumathipala Gamage Wathugala	80	77	157	
	Eng. M D S Wijayabandara	212	181	393	

Vacancies	Posts of Representatives – Members (Below 40)	Paper Votes	E-Votes	Total No. of Votes	Remarks
3	Eng. R M S D Bandara	339	350	689	
	Eng.(Dr.) K T M Udayanga Hemapala	368	402	770	Elected
	Eng. Dayan Herath	338	394	732	Elected
	Eng. Madhawa Herath	273	303	576	
	Eng. Shaheed Musthalie	95	106	201	
	Dr. Eng. T L Pradeep	226	227	453	
	Eng. Dharaka Vitharana	343	350	693	Elected

### 32. TECHNO 2018

Techno 2018 was officially launched on June 19, 2018 at the Galle Face Hotel. The exhibition was opened to the public on October 12, 13 & 14, 2018 at the BMICH, Colombo. The theme for this year's Techno Exhibition is "Engineering the Green Future".

### 33. ANNUAL SESSIONS 2018

Deshabandu Hon. Karu Jayasuriya, Speaker of the Parliament of Sri Lanka will be the Chief Guest for the ceremonial inauguration of the 112<sup>th</sup> Annual Sessions that is scheduled to be held on October 16, 2018 at the BMICH. Mr. Vajira Kulatilaka, Director/ Chief Executive Officer, NDB Capital Holdings Limited is invited to be the Keynote Speaker.

(a) The following awards will be presented at the event:

- The **E O E Pereira Award** for the Best Paper presented at the Annual Sessions 2017 to Eng. (Dr.) Deshai Botheju and Eng.(Dr.) P G Rathnasiri for their Paper titled "Safety Analysis of Anaerobic Digestion Plant Operation".
- The **IESL Award** for the Best Paper by a Corporate Member published in the "Engineer" Journal during the Session 2017/2018 to Eng. M. R. H. E. Bandara and Eng. D. N. Balasuriya for their Paper titled "Design of a Road-side Threat Alert System for Deaf Pedestrians"  
Eng. D. N. Balasuriya being a Corporate Member, the IESL Award is recommended to be presented to him.
- The **S D & C C Award** – for the Best Paper by an Associate Member published in the 'Engineer' Journal during the Session 2017/2018 to Eng. M. R. H. E. Bandara and Eng. D. N. Balasuriya for their Paper titled "Design of a Road-side Threat Alert System for Deaf Pedestrians"
- Eng. M. R. H. E. Bandara being an Associate Member, the SD & CC Award 2018 is recommended to be presented to him.

(b) Honorary Life Membership will be awarded to Fellows and Members who are above 60 years of age and have completed 40 years of continuous membership as at September 7, 2018

(i) Honorary Life Fellows

01	Eng. (Dr.) Pratab Sivaprakasapillai	F-394
02	Eng. (Dr.) G G A Godaliyadda	F-701
03	Eng. A D Wickramasinghe	F-709
04	Eng. D P Mallawaratchi	F-732
05	Eng. (Ms.) T P Lamabadusuriya	F-799

06	Eng. C W K Perera	F-840
07	Eng. D N J Ferdinando	F-842
08	Eng. E A C Ekanayake	F-851
09	Eng. D C A S Patmatilaka	F-887
10	Eng. G Hemal R De Silva	F-948

(ii) Honorary Life Members

01	Eng. D L Jayanetti	M-777
02	Eng. Somasiri Mallawaarachchi	M-929
03	Eng. P R Susantha Jayawardena	M-952
04	Eng. Sangaran Balasingam	M-976
05	Eng. H N P Wanigasuriya	M-993
06	Eng. D H Jayasuriya	M-996
07	Eng. J N L C Fernando	M-1022
08	Eng. A M Cassim	M-1027
09	Eng. D S Sandaradura	M-1084
10	Eng. U G Bulumulle	M-1091
11	Eng. S Jayasundara	M-1099
12	Eng. H G D Jayatunge	M-1115
13	Eng. E W Jayamanne	M-1204
14	Eng. M A Wimal	M-1211
15	Eng. A H Jayaweera	M-1222
16	Eng. L D C Perera	M-1288
17	Eng. S A Wimalasena	M-1313
18	Eng. L P S P De Silva	M-1354
19	Eng. A K Kumarasena	M-1370
20	Eng. N D T M Amarasekera	M-1696
21	Eng. N J Baranasuriya	M-1701
22	Eng. Saliya K Kaluarachchi	M-1724
23	Eng. T S D Peiris	M-1729
24	Eng. Kanagarajah Shanthakumar	M-1740
25	Eng. T A Wickramasinghe	M-1758
26	Eng. S M C S Samarakoon	M-1894
27	Eng. T D Handagama	M-1970
28	Eng. P K Wijeratne	M-2291
29	Eng. K K Thaverasah	M-2307
30	Eng. J C A Abeyrathna	M-7593

(c) Following Corporate Members who have been elected as Fellows will be awarded certificates

01	Eng.(Dr.) G.A.K. Padmaperuma	F-1059
02	Eng. T.H.V.I. Fernando	F-1060
03	Eng. M.J.D. Fernando	F-1061
04	Eng. J.S. Wijerathna	F-1062
05	Eng. G.C. Bandarigodage	F-1063
06	Eng. A.L.M. Nizar	F-1064
07	Eng. M.N.A. Samad	F-1065
08	Eng.(Mrs.) T.D. Abeysuriya	F-1066

09	Eng.(Dr.) J.J.P. Ameratunga	F-1067
10	Eng. S.S. Gunawardena	F-1068
11	Eng. S.S.S. Vipulanandan	F-1069

- (d) Following Corporate Members who have been registered as International Professional Engineers will be awarded certificates

01	Eng. S H U De Silva	IntPE – 104
02	Eng. P H R Hewageegana	IntPE – 107
03	Eng.(Dr.) S Wickramaratne	IntPE - 108
04	Eng. D Medagama	IntPE – 109
05	Eng.(Mrs.) H Umadevi	IntPE – 110
06	Eng. L Subaharan	IntPE – 111
07	Eng. P W Sarath	IntPE – 112
08	Eng. D R N Jayasuriya	IntPE – 114

### **34. ENGINEERS' NIGHT 2018**

IESL Engineers' Night will be held on October 20, 2018 at the Hotel Citrus, Waskaduwa.

### **35. IESL CHRISTMAS PARTY**

Christmas party was held with the participation of Members, spouses and children on Saturday, December 16, 2017 at the Members Lounge. More than 200 members participated with their families.

The blessings were performed by Parish Priest, Reverend Father Chandana. Christmas Carols were sung by CML- MTD Choir accompanied by Eng. Dharshana Perera.

### **36. IESL NEW YEAR FESTIVAL**

The IESL Bak Maha Ulela 2018 was held at Ape Gama, Sri Jayawardenapura, Kotte on Saturday, 28<sup>th</sup> April 2018 from 9.00am to 4.00pm. Members and their families participated in traditional festivities of the Sinhala and Tamil New Year.

### **37. IESL MULTI-RELIGIOUS CEREMONY**

Religious dignitaries belonging to Buddhist, Hindu, Islamic and Christian religions invoked blessings on IESL at a multi-religious ceremony held on Tuesday the 09<sup>th</sup> of January 2018 from 9.30 am at the Wimalasurendra Auditorium.

Council members and staff of IESL participated in the religious ceremony.

This was followed by the presentation of prizes to winners of the Techno Sri Lanka 2017 Raffle Draw by the IESL President, at the Members' Lounge of the institution.

Winners of the Members Raffle draw are:

1st Prize; Winner – Eng. (Ms.) B M Welikala - (Tour Package)

2nd Prize; Winner – Eng. T R A D Jayantha - (Laptop)

3rd Prize; Winner – Eng. M M H Anfas - (Samsung Tab)

### **38. WORLD WATER DAY ORGANIZED BY THE IESL WATER FORUM**

IESL observed World Water Day 2018 on 22<sup>nd</sup> March 2018 with special programme of presentations by leading experts in the water sector making presentation to bring better understanding among people about importance of water.

Presentations made by experts from the sector were as follows:

- “Nature and Water” by Dr. Manthrithilaka, Head – Sri Lanka Development Initiative, International Water Management.
- “Balancing of Water Resources Development and Conservation of Ecosystem” by Eng. (Mrs.) Badra Kamaladasa – Former Director General – Irrigation, Irrigation Department
- “Nature is the Teacher” by Eng. (Dr.) S.K. Weragoda, Project Director, China Sri Lanka Research Grant Project – Ministry of City Planning and Water Supply.
- “Ground Water, Isotopes & CKDu” by Eng. Viraj Edirisinghe – Director, Industrial Applications, Atomic Energy Board.
- “Nature Based Solutions for Water from the perspective of Young Water Professionals “ by Eng. Chathura Sanjeewa – Civil and Environmental Engineer, National Water Supply and Drainage Board

The experts’ presentations were followed by an Open Discussion and Question & Answer session.

### **39. ENGINEERING EXCELLENCE AWARDS**

The Awards process, frequency of which was changed to once in three years, was initiated this year, since it was last held in 2015.

The following committee was appointed by Council to re-visit the Award Guidelines and recommend changes where necessary.

Eng. (Prof.) T.M. Pallewatta (Chairman)  
Eng. Arjuna Manamperi  
Eng. Mangala Silva  
Eng. S.S. Gunawardana  
Eng. Indika Walpitage  
Eng. (Prof.) J.P. Karunadasa  
Eng. K.A.B. Pathirathna

Based on the recommendations made by the above Committee, the guidelines for presenting the 2018 Awards were revised as follows:

- Nomination through Nomination Panels for the Engineering Eminence Award category and Engineering Excellence Award category was removed.
- The power of the Main Committee, at initial screening stage, to reject nominations / applications which in their opinion do not fulfill requirements as per guidelines was removed, and all nominations/applications were taken for evaluation by the panels of judges.
- The “Award for Excellence in Engineering Journalism” category was opened up for IESL Members as well.

- A new Awards category; **“Special Achievement Awards for University Undergraduates”** for engineering students of state universities was created to encourage any kind of special achievements with respect to engineering; e.g projects, inventions , academic excellence etc. and for students in universities to interact and link with IESL more.
- The criteria for determining an organization as large, medium and small for the award of “ Excellence in Engineering for Organizations” in “ Engineering Services” sub category was amended so that organizations with total turnover has exceeding Rs 10 Billion will be considered as ‘Large’, total turnover from Rs 500 million to Rs 10 Billion will be considered as ‘Medium’ and total turnover up to Rs 500 million will be considered as ‘Small’ organizations.

Call for nominations / applications were announced on 18th April, 2018 through public newspapers and email flyers via IESL MIS System. The original closing date for nominations / applications was 1st June, 2018 but it was extended up to 15th June in response to requests by organizations.

Nominations / Applications received were opened on Wednesday, 20th June 2018 in the presence of the President and CEO / Executive Secretary; A total of 46 nominations/applications were recorded as received for 12 of the 13 award categories for which submissions were called for. No nominations were received for the category; Engineering Heritage Award.

Panels of referees were identified and appointed by the Main Committee for evaluation of nominations / applications. The evaluations are in final stages as of now. The awards ceremony is expected to be scheduled for November or December 2018.

#### **40. ACKNOWLEDGEMENT**

The Council expresses its gratitude to the Board of Trustees, all members who served on Committees and the Provincial Chapters, District Centers and Overseas Chapters and also all the others who assisted the Council in numerous ways in conducting the Institution’s activities. The Council also notes with appreciation the services rendered by the Chief Executive Officer/ Executive Secretary and the Staff of the Secretariat during the Session.

\* \* \* \* \*

**Report of the Auditors for the  
Financial year ending December 31, 2017**

PNS/RAHS/PMH/MHM

**INDEPENDENT AUDITORS' REPORT  
TO THE MEMBERS OF THE INSTITUTION OF ENGINEERS, SRI LANKA**

**Report on the Financial Statements**

We have audited the accompanying financial statements of The Institution of Engineers, Sri Lanka ("the Institute"), and the consolidated financial statement of the Institute and its subsidiary ("Group"), which comprise the statement of financial position as at 31 December 2017, and the statement of comprehensive income, statement of changes in funds and reserves, and statement of cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

***Council's Responsibility for the Financial Statements***

The members of the Council ("Council") is responsible for the preparation of these financial statements that give a true and fair view in accordance with Sri Lanka Accounting Standards for Small and Medium-sized Entities (SLFRS for SMEs), and for such internal controls as Council determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

***Auditor's Responsibility***

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Sri Lanka Auditing Standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by Council, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

***Opinion***

In our opinion, the consolidated financial statements give a true and fair view of the financial position of the Group as at 31 December 2017, and of its financial performance and cash flows for the year then ended in accordance with Sri Lanka Accounting Standards for Small and Medium-sized Entities (SLFRS for SMEs).

(Contd...2/)

Partners: W R H Fernando FCA FCMA M P D Cooray FCA FCMA R N de Saram ACA FCMA Ms. N A De Silva FCA Ms. Y A De Silva FCA W K B S P Fernando FCA FCMA  
Ms. K R M Fernando FCA ACMA Ms. L K H L Fonseka FCA A P A Gunasekera FCA FCMA A Herath FCA D K Hulangamuwa FCA FCMA LLB (Lond) H M A Jayasinghe FCA FCMA  
Ms. A A Ludowyke FCA FCMA Ms. G G S Manatunga FCA Ms. P V K N Sajewani FCA N M Sulaiman ACA ACMA B E Wijesuriya FCA FCMA

Principal: T P M Ruberu FCMA FCCA

A member firm of Ernst & Young Global Limited

**Other matter**

The consolidated financial statements of the Institute and its subsidiary for the year ended 31 December, 2016, were audited by another auditor who expressed a qualified opinion on those statements on 12 October, 2017.

**Report on other legal and regulatory requirements**

As required by section 76 to 78 of the Institute of Engineers Ceylon Act No. 17 of 1968, we state the following:

- a) The basis of opinion and scope and limitations of the audit are as stated above.
- b) In our opinion:
  - we have obtained all the information and explanations that were required for the audit and, as far as appears from our examination, proper accounting records have been kept by the Institute,
  - the financial statements of the Institute give a true and fair view of its financial position as at 31 December 2017, and of its financial performance and cash flows for the year then ended in accordance with Sri Lanka Accounting Standards for Small and Medium-sized Entities (SLFRS for SMEs).



04 October 2018  
Colombo

The Institution of Engineers, Sri Lanka  
**STATEMENT OF COMPREHENSIVE INCOME**  
Year ended 31 December 2017

	Note	Group		Institute	
		2017 Rs.	2016 Rs.	2017 Rs.	2016 Rs.
Revenue from students' and members' activities	4	317,745,380	302,247,177	113,241,056	110,264,295
Direct expenditure on students' and members' activities	5	(50,838,933)	(52,717,204)	(18,746,675)	(15,951,565)
<b>Contribution before employee costs and overheads</b>		<b>266,906,447</b>	<b>249,529,973</b>	<b>94,494,381</b>	<b>94,312,730</b>
<b>Operating expenditure</b>					
Employees' costs	6	(87,755,230)	(69,784,213)	(36,328,496)	(32,173,634)
Publications, newsletters and others	7	(7,497,118)	(8,429,941)	(5,680,910)	(6,116,570)
Utilities	8	(27,805,578)	(25,480,450)	(12,116,796)	(12,208,286)
General administration expenses	9	(49,541,935)	(56,291,278)	(15,635,087)	(15,731,847)
Depreciation on property, plant and equipment	14	(31,165,466)	(22,555,537)	(10,759,941)	(8,795,982)
Provincial center expenses	10	(3,840,000)	(3,365,000)	(3,840,000)	(3,365,000)
<b>Net surplus/(deficit) of operating activities</b>		<b>59,301,119</b>	<b>63,623,554</b>	<b>10,133,151</b>	<b>15,921,411</b>
Other income	11	74,617,875	58,586,775	72,044,786	73,594,395
Other expenses	12	(68,650,223)	(52,011,167)	(61,002,039)	(49,859,409)
Finance charges	13	(2,084,633)	(1,526,296)	(2,084,633)	(1,526,296)
<b>Net surplus/(deficit) on non-operating activities</b>		<b>3,883,019</b>	<b>5,049,312</b>	<b>8,958,114</b>	<b>22,208,690</b>
<b>Net surplus/(deficit) before taxation</b>		<b>63,184,139</b>	<b>68,672,865</b>	<b>19,091,265</b>	<b>38,130,100</b>
Income tax expenses	14	(9,987,219)	(6,756,231)	(2,594,119)	-
<b>Surplus/(deficit) for the year</b>		<b>53,196,920</b>	<b>61,916,634</b>	<b>16,497,146</b>	<b>38,130,100</b>
Other comprehensive income		-	-	-	-
<b>Total comprehensive income for the year</b>		<b>53,196,920</b>	<b>61,916,634</b>	<b>16,497,146</b>	<b>38,130,100</b>

Figures in brackets indicate deductions.

The accounting policies and notes on pages 07 to 29 form an integral part of these financial statements.



The Institution of Engineers, Sri Lanka  
STATEMENT OF FINANCIAL POSITION  
As at 31 December 2017

		Group		Institute	
	Note	2017 Rs.	2016 Rs.	2017 Rs.	2016 Rs.
<b>ASSETS</b>					
<b>Non-current assets</b>					
Property, plant and equipment	15	134,933,963	140,816,874	92,562,037	99,529,132
Capital work-in-progress	17	7,833,556	-	7,833,556	-
Intangible Assets	16	1,927,555	2,773,735	-	-
Other financial assets	18	7,534,775	7,006,423	7,534,775	7,006,423
Investment in subsidiary	19	-	-	10	10
<b>Total non-current assets</b>		<b>152,229,848</b>	<b>150,597,032</b>	<b>107,930,378</b>	<b>106,535,565</b>
<b>Current assets</b>					
Inventories	20	2,990,611	2,288,634	2,824,111	2,117,694
Accounts receivables	21	24,419,706	21,126,163	21,237,546	15,572,174
Deposits, prepayments and advances	22	3,608,633	4,311,945	2,738,426	3,247,243
Financial assets	23	169,519,237	132,717,460	169,519,237	132,717,460
Cash and cash equivalents	24	87,994,191	65,634,683	29,791,026	38,449,685
<b>Total current assets</b>		<b>288,532,379</b>	<b>226,078,885</b>	<b>226,110,347</b>	<b>192,104,256</b>
<b>Total assets</b>		<b>440,762,227</b>	<b>376,675,917</b>	<b>334,040,725</b>	<b>298,639,821</b>
<b>FUNDS AND LIABILITIES</b>					
Accumulated fund		379,659,154	326,462,234	282,848,785	266,351,639
Library fund	25	500,362	500,362	500,362	500,362
Funds backed by specific investments	26	11,973,440	10,740,705	11,973,440	10,740,705
		<b>392,132,955</b>	<b>337,703,301</b>	<b>295,322,587</b>	<b>277,592,706</b>
<b>Non-current liabilities</b>					
Retirement benefit obligation	27	10,164,423	6,833,913	8,465,371	6,833,913
Deferred Tax Liabilities	14.4	4,188,923	-	2,594,119	-
<b>Total non-current liabilities</b>		<b>14,353,346</b>	<b>6,833,913</b>	<b>11,059,490</b>	<b>6,833,913</b>
<b>Current liabilities</b>					
Accounts payable	28	15,615,401	12,542,106	11,367,510	7,900,908
Receipts in advance	29	15,220,394	6,716,140	14,695,395	5,443,940
Amount due to related party	30	-	-	2,000	2,000
Income tax payable		1,310,568	1,132,127	-	-
Bank overdraft	24	2,129,562	11,748,330	1,593,743	866,354
<b>Total current liabilities</b>		<b>34,275,925</b>	<b>32,138,703</b>	<b>27,658,648</b>	<b>14,213,202</b>
<b>Total funds and liabilities</b>		<b>440,762,227</b>	<b>376,675,917</b>	<b>334,040,725</b>	<b>298,639,821</b>

Figures in brackets indicate deductions.

The accounting policies and notes on pages 07 to 29 form an integral part of these financial statements.

The members of the Council is responsible for these financial statements. Approved and signed for and on behalf of the Council by;

Eng.(Prof.) Mrs. N. Ratnayake  
President



Eng. M.G. Hemachandra  
Honorary Treasurer

The Institution of Engineers, Sri Lanka  
**STATEMENT OF CHANGES IN FUNDS AND RESERVES**  
Year ended 31 December 2017

Group	Accumulated fund Rs.	Library fund Rs.	Funds backed by specific investments Rs.	Total Rs.
<b>Balance as at 01st January, 2016</b>	264,545,600	500,362	10,142,869	275,188,831
Net Surplus/(Deficit) for the Year	61,916,634	-	-	61,916,634
Other Comprehensive Income for the Year	-	-	-	-
<b>Balance Before Transfers to/from Reserves</b>	326,462,234	500,362	10,142,869	337,105,465
Increase/(Decrease) in Donor's Restricted	-	-	597,836	597,836
<b>Balance as at 31st December, 2016</b>	326,462,234	500,362	10,740,705	337,703,301
Net surplus/(deficit) for the year	53,196,920	-	-	53,196,920
Other comprehensive income for the year	-	-	-	-
<b>Balance before transfers to/from reserves</b>	379,659,154	500,362	10,740,705	390,900,221
Increase/(decrease) in donor's restricted	-	-	1,117,135	1,117,135
Contributions for specific operations	-	-	115,600	115,600
<b>Balance as at 31st December, 2017</b>	<u>379,659,154</u>	<u>500,362</u>	<u>11,973,440</u>	<u>392,132,955</u>

Institute	Accumulated fund Rs.	Library fund Rs.	Funds backed by specific investments Rs.	Total Rs.
<b>Balance as at 01st January, 2016</b>	228,221,539	500,362	10,142,869	238,864,770
Net surplus/(deficit) for the year	38,130,100	-	-	38,130,100
Other comprehensive income for the year	-	-	-	-
<b>Balance before transfers to/from reserves</b>	266,351,639	500,362	10,142,869	276,994,870
Increase/decrease in donor's restricted	-	-	597,836	597,836
<b>Balance as at 31st December, 2016</b>	266,351,639	500,362	10,740,705	277,592,706
Net surplus/(deficit) for the year	16,497,146	-	-	16,497,146
Other comprehensive income for the year	-	-	-	-
<b>Balance before transfers to/from reserves</b>	282,848,785	500,362	10,740,705	294,089,852
Increase/(decrease) in donor's restricted	-	-	1,117,135	1,117,135
Contributions for specific operations	-	-	115,600	115,600
<b>Balance as at 31st December, 2017</b>	<u>282,848,785</u>	<u>500,362</u>	<u>11,973,440</u>	<u>295,322,587</u>



Figures in brackets indicate deductions.  
The accounting policies and notes on pages 07 to 29 form an integral part of these financial statements.

## STATEMENT OF CASH FLOWS

Year ended 31 December 2017

	Group		Institute	
	2017 Rs.	2016 Rs.	2017 Rs.	2016 Rs.
<b>Cash flow from operating activities</b>				
Net surplus/(deficit) before taxation	63,184,139	68,672,865	19,091,265	38,130,100
Adjustments for:				
Depreciation on property, plant and equipment	31,165,466	22,555,537	10,759,942	8,795,982
Amortization of Intangible Assets	846,180	601,739	-	-
Dividend income	-	-	(1,800,000)	(16,670,823)
Provision for gratuity	3,330,510	764,400	1,631,458	764,400
Loss on disposal of property, plant and equipment	230	-	230	-
<b>Net surplus from operating activities before working capital changes</b>	<b>98,526,525</b>	<b>92,594,541</b>	<b>29,682,895</b>	<b>31,019,657</b>
<b>Working capital changes</b>				
Decrease/(increase) in inventories	(701,977)	493,965	(706,417)	357,066
Decrease/(increase) in accounts receivables	(3,293,543)	694,501	(5,665,372)	(4,005,006)
Decrease/(increase) in amounts due from related parties	-	-	-	3,793,500
Decrease/(increase) in amounts due to related parties	-	-	-	2,000
Decrease/(increase) in deposits, prepayment and advance	703,312	(5,331,717)	508,818	(4,626,014)
(Decrease)/increase in accounts payable	3,073,295	(14,585,086)	3,466,602	(3,464,532)
(Decrease)/increase in receipts in advance	8,504,254	(11,074,354)	9,251,454	573,446
<b>Cash generation from/(used in) operations</b>	<b>8,285,339</b>	<b>(29,802,691)</b>	<b>6,855,084</b>	<b>(7,369,540)</b>
Tax paid	(5,419,854)	(8,804,272)	-	-
<b>Net cash flow from operating activities</b>	<b>101,392,009</b>	<b>53,987,580</b>	<b>36,537,977</b>	<b>23,650,119</b>
<b>Cash flow from investing activities</b>				
Purchase of property, plant and equipment	(25,282,784)	(30,166,634)	(3,793,076)	(6,640,006)
Purchase of Intangible Assets	-	(1,066,674)	-	-
Expenses incurred on capital work-in-progress	(7,833,556)	-	(7,833,556)	-
Investment in other financial assets	(37,330,128)	(24,167,460)	(37,330,128)	(24,167,460)
Dividend received	-	-	1,800,000	16,670,823
<b>Net cash flow from investing activities</b>	<b>(70,446,468)</b>	<b>(55,400,768)</b>	<b>(47,156,760)</b>	<b>(14,136,643)</b>
<b>Cash flow from financing activities</b>				
Dividend tax paid	(200,000)	(1,852,314)	-	-
Receipts/payments from fund backed by specific investments	1,232,735	597,836	1,232,735	597,836
<b>Net cash flow from/(used in) financing activities</b>	<b>1,032,735</b>	<b>(1,254,478)</b>	<b>1,232,735</b>	<b>597,836</b>
<b>Net increase in cash and cash equivalents</b>	<b>31,978,277</b>	<b>(2,667,666)</b>	<b>(9,386,048)</b>	<b>10,111,312</b>
<b>Cash and cash equivalents at the beginning of the year</b>	<b>53,886,353</b>	<b>56,554,019</b>	<b>37,583,331</b>	<b>27,472,019</b>
<b>Cash and cash equivalents at the end of the year (Note A)</b>	<b>85,864,629</b>	<b>53,886,353</b>	<b>28,197,283</b>	<b>37,583,331</b>
<b>Note A</b>				
Cheque in hand	-	5,045,622	-	5,045,622
Cash in hand	664,246	273,255	640,731	172,605
Petty cash	19,624	31,813	19,624	21,645
Cash at bank - Time deposits	29,523,615	27,072,135	-	-
Cash at bank - Current accounts	17,498,085	21,874,457	17,498,085	21,874,457
Cash at bank - Savings accounts	40,288,622	11,337,400	11,632,587	11,335,355
Bank overdraft	(2,129,562)	(11,748,330)	(1,593,743)	(866,354)
	<b>85,864,629</b>	<b>53,886,353</b>	<b>28,197,283</b>	<b>37,583,331</b>

Figures in brackets indicate deductions.

The accounting policies and notes on pages 07 to 29 form an integral part of these financial statements.



**1. CORPORATE INFORMATION**

**1.1.1 General**

The Institution of Engineers, Sri Lanka (Hereafter referred to as the "Institution") was incorporated by Act of Parliament No. 17 of 1968 is situated at No.120/15, Wijerama Mawatha, Colombo 07. Provincial centres are situated in Central, Wayamba, Sabaragamuwa, North Central, Southern, Uva, Eastern and Northern Provinces.

**1.2 Principal activities and nature of operations**

During the year, the principal activity of the institution and the subsidiary was providing educational services.

**1.3 Date of authorization for the issue of the financial statements**

The consolidated financial statements of the Institution of Engineers, Sri Lanka for the year ended 31 December 2017 was authorized for issue in accordance with the approval of council members on 04 October 2018.



**2. GENERAL INFORMATION AND STATEMENT OF COMPLIANCE WITH SLFRS FOR SMEs**

**2.1 General accounting policies**

**2.1.1 Basis of preparation**

These financial statements presented in Sri Lanka Rupees have been prepared under the historical cost basis in accordance with generally accepted accounting principles and the standards laid down by the Institute of Chartered Accountants of Sri Lanka.

**2.1.2 Statement of compliance**

The statement of financial position, statement of comprehensive income, statement of changes in funds and reserves, and statement of cash flows, together with accounting policies and notes ("Financial Statements") of the institution/group as at 31st December, 2017 and for the year then ended, comply with the Sri Lanka Accounting Standards for Small and Medium-sized Entities (SLFRS for SMEs) issued by the Institute of Chartered Accountants of Sri Lanka.

**2.1.3 Going concern**

The members of the Council has made an assessment of the Institution ability to continue as a going concern and is satisfied that it has the resources to continue the principal activities of the Institution (referred in note 1.2) for the foreseeable future. Furthermore, the members of the Council is not aware of any material uncertainties that may cast significant doubt upon the Institution's ability to continue as a going concern. Therefore, the financial statements continue to be prepared on the going concern basis.

However, following going concern matter is noted for the subsidiary of the Institution namely, IESL College of Engineering (Pvt) Ltd. (referred as "The College");

The College has suspended the new intake to Certificate Level programme offered to the students, which led to cast doubt about the going concern of the College. However, students concerned have filed a case against the College restraining from suspending or discontinuing the courses offered. The College has received an interim order directing the College to maintain the status quo in respect of all study programmes and other activities conducted by the College. Therefore, directors assessed that the College will continue till 2021 and beyond that period will be depend on the outcome of the said legal case (refer note 32). Therefore, the Financial Statements of the Group have been prepared based on going concern assumption.

**2.1.4 Comparative information**

The accounting policies have been consistently applied by the group and are consistent with those of the previous year. The previous year's figures and phrases have been rearranged wherever necessary to conform to the current year's presentation/classification.

**2.1.5 Materiality and aggregation**

Each material class of similar items is presented separately in the financial statements. Items of a dissimilar nature or function are presented separately unless they are immaterial.



#### 2.1.6 Significant accounting judgments, estimates and assumptions

The preparation of the group's financial statements require management to make judgments, estimates and assumptions that affect the reported amounts of revenue, expenses, assets and liabilities and the disclosure of contingent liabilities at the reporting date. The Group is subject to taxes and significant judgment was required to determine the total provision for current, deferred and other taxes due to the uncertainties that exists with respect to the interpretation of the applicability of tax laws, at the time of the preparation of these financial statements.

Uncertainties also exist with respect to the interpretation of complex tax regulations and the amount and timing of future taxable income. Given the wide range of business relationships and the long-term nature and complexity of existing contractual agreements, differences arising between the actual results and the assumptions made, or future changes to such assumptions, could necessitate future adjustments to tax income and expense already recorded. Where the final tax outcome of such matters is different from the amounts that were initially recorded, such differences will impact the income and deferred tax amounts in the period in which the determination is made.

### 3. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The accounting policies set out below have been applied consistently to all periods presented in these financial statements.

#### 3.1 Basis of consolidation

The consolidated financial statements comprise financial statements of the institution and its subsidiary company.

##### 3.1.1 Subsidiary

Subsidiary is the entity controlled by the Institution. The financial statements of subsidiary are included in the consolidated financial statements from the date that control commences until the date that control ceases. A list of subsidiary and percentage of holding is given below:

Subsidiary	Percentage of Holding
IESL College of Engineering (Pvt) Limited	100%

##### 3.1.2 Transactions eliminated on consolidation

Intra-group balances and transactions, and any unrealized income and expenses arising from intra-group transactions, are eliminated in preparing the consolidated financial statements.

#### 3.2 Property, plant and equipment

##### 3.2.1 Basis of measurement

###### a) Cost

Property, plant and equipment is recorded at cost less accumulated depreciation and less any impairment.



**b) Cost and valuation**

All items of property, plant and equipment are initially recorded at cost.

**3.2.2 Depreciation**

Depreciation is recognized by using diminishing balance method other than leasehold land, in order to write off such amounts over the estimated useful lives using the following rates;

Building	5%
Members lounge	5%
Air conditioner	25%
Computer equipment	33 1/3%
Office equipment	25%
Furniture and fittings	25%
President's office	10%
Library books	20%
Bicycles	25%
Canteen equipment	25%
Lawn mower	25%
Water pump and accessories	25%
Single wheel tractor	25%
Cloaks	25%
Musical Instruments	25%
Lab equipments	25%

Depreciation of assets begins when it is available for use.

The asset's residual values, useful lives and methods of depreciation are reviewed and adjusted if appropriate at each financial year.

**3.2.3 Restoration costs**

Expenditure incurred on repairs or maintenance of property, plant and equipment in order to restore or maintain the future economic benefits expected from originally assessed standard of performance is recognized as an expense when incurred.

**3.2.4 De-recognition**

An item of property, plant and equipment is de-recognized upon disposal or when no future economic benefits are expected from its use or disposal. Any gain or loss arising on de-recognition of the asset is calculated as the difference between the net disposal proceeds and the carrying amount and it recognized to the statement of comprehensive income.

**3.2.5 Capital work-in-progress**

Capital expenses incurred during the period which are not completed as at the reporting date are shown as capital work-in-progress, whilst the capital assets which have been completed during the period and put to use have been transferred to property, plant and equipment, if any.



### 3.3 Intangible Assets

Intangible assets acquired separately are measured on initial recognition at cost. Following initial recognition, intangible assets are carried at cost less accumulated amortization and accumulated impairment losses.

Intangible assets consists the value of software purchased during the period and the company policy is to amortize it over 4 years.

### 3.4 Impairment of assets

The Group assesses at each reporting date whether there is an indication that an asset may be impaired. If such indication exists or when annual impairment testing for an asset is required the company makes an estimate of the asset's recoverable amount. An asset's recoverable amount is the higher of an asset's or cash generating unit's fair value less costs to sell and its value in use and determined for an individual asset, unless the asset does not generate cash inflows that are largely independent of those from other assets or group of assets. Where the carrying amount of an asset exceeds its recoverable amount, the asset is considered impaired and is written down to its recoverable amount. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessment of the time value of money and the risk specific to the asset. These calculations are collaborated by valuation multiples, quoted share prices or other available fair value indicators.

An assessment is made at each reporting date as to whether there is any indication that previously recognized impairment losses may no longer exist or may have decreased. If such indication exists, the company makes an estimate of the recoverable amount. A previously recognized impairment loss is reversed only if there has been a change in the estimates used to determine the assets recoverable amount since the last impairment loss was recognized. If that is the case the carrying amount of the asset is increased to its recoverable amount and that increased amount cannot "exceed" the carrying amount that would have been determined, net of depreciation had, had no impairment loss been recognized for the asset in prior years. Such reversal is recognized in the statement of comprehensive income unless the asset is carried at revalued amount, in which case the reversal is treated as a revaluation increase.

### 3.5 Inventories

Inventories are stated at the lower of cost and net realizable value after making due allowances for obsolete and slow moving items. Cost is determined using the weighted average method. Inventories are assessed for impairment at each reporting date. Impairment losses on inventory are recognized immediately in the statement of comprehensive income and presented within 'cost of sales'.

Other inventory items are stated at the lower of cost and net replacement cost.

### 3.6 Financial instruments

#### 3.6.1 Financial assets

##### 3.6.1.1 Accounts and other receivables

These financial assets are recognized initially at the transaction price. Subsequently they are measured at amortized cost using the effective interest method, less provision for impairment.



Where there is objective evidence that the carrying amounts of receivables are not recoverable, and impairment loss is recognized in the statement of comprehensive income.

Accounts receivables and dues from related parties are recognized at cost less provision for bad and doubtful receivables.

### **3.6.1.2 Other short term financial assets**

Other short-term financial assets comprise investments, which are non-derivative financial assets with fixed or determinable payments and fixed maturities are initially recognized at transaction price. Subsequently they are measured at amortized cost using the effective interest method, less provision for impairment.

### **3.6.1.3 Cash and cash equivalents**

Cash and cash equivalents are defined as cash in hand, cash at bank and short term deposits.

For the purpose of cash flow statement, cash and cash equivalents consists of cash in hand, cash at bank, short term deposit and net of outstanding bank overdrafts.

The cash flow statements are reported based on the indirect method.

## **3.7 Liabilities**

Liabilities stated under current liabilities in the statement of financial position are those expected to fall due within one year from the date of the statement of financial position. Items stated as non-current liabilities are those expected to fall due at point of time after one year from the date of the statement of financial position.

### **3.7.1 Financial liabilities**

The group's financial liabilities include accounts payable and receipts in advance. Financial liabilities are recognized initially at transaction price.

#### **3.7.1.1 Accounts payable and receipts in advance**

Account payable and receipt in advance are stated at their book values. Account payables are on normal credit terms and do not bear interest. Account payables denominated in a foreign currency are translated by using the exchange rate at the reporting date. Foreign exchange gains or losses are included in other operating income or other expenses.

### **3.7.2 Provisions**

Provisions are recognized when the group has a present obligations (legal and constructive) as a result of a past event, where it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation.



### 3.8 Short term employee benefits and retirement benefit obligations

#### a) Short term employee benefits

Short term employee benefits obligations are measured on an undiscounted basis and are expensed as the related service is provided. A liability is recognized for the amount expected to be paid under short term cash bonus if the group has present legal or constructive obligation to pay this amount as a result of past service provided by the employee and the obligation can be measured reliably.

#### b) Defined benefit plans – gratuity

Provision has been made for retirement gratuities, in conformity with Gratuity Act No. 12 of 1983. The liability is not externally funded nor is it actuarially valued.

#### c) Defined contribution plans - Employees' Provident Fund and Employees' Trust Fund

Employees are eligible for Employees' Provident Fund Contributions and Employees' Trust Fund Contributions in line with respective statutes and regulations. The institution/group contributes 12% and 3% of gross emoluments of employees to the Employees' Provident Fund and to the Employees' Trust Fund respectively.

### 3.9 Taxation

The Institution is exempt from income tax under the Section 7(b) (xxiv) of the Inland Revenue Act No. 10 of 2006.

The provision for income tax of IESL College of engineering (Pvt) Ltd, ("the subsidiary") is based on the elements of income and expenditure as reported in the financial statements and computed in accordance with the provision of the Inland Revenue Act No. 10 of 2006.

#### Deferred Tax

Deferred tax is provided using the liability method on temporary differences at the reporting date between the tax bases of assets and liabilities and their carrying amounts for financial reporting purposes. The Entity has provided deferred tax on assets that will have temporary differences arising beyond the effective date of income tax as per the new Inland Revenue Act No.24 of 2017.

Deferred tax assets are recognized for all deductible temporary differences to the extent that it is probable that taxable profit will be available against which the deductible temporary differences can be utilized.

Deferred tax assets and liabilities are measured at tax rates that are expected to apply to the year when the asset is realized or liability is settled, based on the tax rates and tax laws that have been enacted or substantively enacted as at the reporting date.

Deferred tax assets and deferred tax liabilities are offset, if a legally enforceable right exists to set off current tax assets against current tax liabilities and when the deferred taxes relate to the same taxable entity and the same taxation authority.



**3.10 Revenue recognition**

**a) Membership subscription**

The membership fee of the institute includes separate annual subscription. The revenue is recognized when no significant uncertainty about its collectability exists. As such only the probable membership subscription fees that are attributable to the current financial year are recognized as the revenue. Further, all the other income relevant to the membership is recognized on accrual basis.

**b) Examination fee**

Fees of examinations, seminars, courses, and other educational and members' activities are recognized by reference to the stage of completion of transaction at the end of the reporting period.

**c) Interest income**

For all financial instruments measured at amortized cost and interest bearing financial assets classified as held to maturity, interest income is recorded using the effective interest rate (EIR) which is the rate that exactly discounts the estimated future cash payments or receipts through the expected life of the financial instrument, where appropriate, to the net carrying amount of the financial asset.

Interest income is included in finance income in the statement of comprehensive income.

**d) Other income**

Other income is recognized on an accrual basis. Gain and losses arising from incidental activities to main revenue generating activities and those arising from an institution/group of similar transactions, which are not material, are aggregated, reported and presented on a net basis.

**3.11 Expenditure recognition**

**a)** Expenses are recognized in the statement of comprehensive income on the basis of a direct association between the cost incurred and the earning of specific items of income. All the expenditure incurred in the running of the business and in maintaining the property, plant and equipment in a state of efficiency have been charged to income in arriving at the surplus for the year.

**b)** For the purpose of presentation of the statement of comprehensive income the council are of the opinion that function of expenses method presents fairly the elements of the institution/group's performance and hence, such presentation method is adopted.

**3.12 Borrowing costs**

All borrowing costs are expenses in the period in which they are incurred.



**3.13 Off statement of financial position and statement of comprehensive income items**

**3.13.1 Events occurring after the date of the statement of financial position**

All material events occurring after the date of the statement of financial position have been considered and where necessary adjustments to or disclosures have been made in the respective notes to the financial statements.

**3.13.2 Contingencies and unrecognized contractual commitments**

Contingencies are possible assets or obligation that arise from past event and would be confirmed only on the occurrence or non-occurrence of uncertain future events, which are beyond the group's control. Contingencies are disclosed in the respective notes to the financial statements.



**4. REVENUE FROM STUDENTS' AND MEMBERS' ACTIVITIES**

	Group		Institute	
	2017 Rs.	2016 Rs.	2017 Rs.	2016 Rs.
Members' subscriptions	64,597,884	53,735,803	64,597,884	53,735,803
Entrance fee	2,309,940	2,057,325	2,309,940	2,057,325
Exemption/Registration	2,200,105	1,767,050	2,200,105	1,767,050
<b>IESL examinations</b>				
- Part II-Repeat	241,000	368,000	241,000	368,000
- Part III	896,000	1,637,500	896,000	1,637,500
<b>IESL study course</b>				
- Part III	606,500	1,140,000	606,500	1,140,000
Professional review	6,420,500	9,349,193	6,420,500	9,349,193
CPD Courses	35,969,128	30,265,850	35,969,128	30,265,850
Application processing fee	340,680	349,000	-	-
Registration fee	703,800	1,590,000	-	-
Royalty Income	-	-	-	9,943,574
Individual modules	979,200	-	-	-
Course fees	188,846,880	184,313,550	-	-
Examination fees	12,647,796	14,726,000	-	-
Module Registration Fee AD2	20,400	-	-	-
Module exemption fee	14,331	36,500	-	-
Academic test	96,900	660,000	-	-
Short Course	242,760	-	-	-
Unidentified income	1,335,262	294,906	-	-
Refunds	(1,898,215)	(921,250)	-	-
Discounts	-	(137,500)	-	-
Surcharge	1,174,530	1,015,250	-	-
	<u>317,745,380</u>	<u>302,247,177</u>	<u>113,241,056</u>	<u>110,264,295</u>

**5. DIRECT EXPENDITURE ON STUDENTS' AND MEMBERS' ACTIVITIES**

	Group		Institute	
	2017 Rs.	2016 Rs.	2017 Rs.	2016 Rs.
<b>IESL examinations</b>				
- Part II - Repeat	151,070	143,575	151,070	143,575
- Part III	319,490	345,600	319,490	345,600
<b>IESL study course</b>				
- Part III	593,790	914,043	593,790	914,043
- Other	-	452,591	-	452,591
Professional review	4,143,806	5,640,133	4,143,806	5,640,133
CPD Courses	13,467,142	8,275,988	13,467,142	8,275,988
Membership related expenses	56,888	179,635	56,888	179,635
Degree Recognition	14,490	-	14,490	-
Furniture Hiring Charges	202,500	260,250	-	-
Hall hire charges	296,148	727,899	-	-
Inauguration ceremony expenses	-	118,551	-	-
Lab practical charges	9,547,902	13,095,241	-	-
Lecture fees	15,082,804	15,461,500	-	-
Preparation and settings of student hand books	-	232,000	-	-
Printing of student ID	23,289	-	-	-
Exam duty expenses	491,200	615,140	-	-
Paper marking expenses	1,571,350	1,062,000	-	-
Paper setting expenses	1,316,890	681,000	-	-
Exam hall booking	203,000	-	-	-
Assignment marking expenses	32,375	59,550	-	-
Student events	362,270	607,770	-	-
Group project AD 2: - Group project panel	232,000	34,250	-	-
Students' insurance	-	39,228	-	-
Cost of goods sold	4,440	136,900	-	-
Outside on members	826,220	2,379,860	-	-
Individual Project Fee	909,950	1,254,500	-	-
Short Course- MA NAB	68,600	-	-	-
Workshop	921,320	-	-	-
	<u>50,838,933</u>	<u>52,717,204</u>	<u>18,746,675</u>	<u>15,951,565</u>



The Institution of Engineers, Sri Lanka  
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**6. EMPLOYEES' COSTS**

	<b>Group</b>		<b>Institute</b>	
	<b>2017</b>	<b>2016</b>	<b>2017</b>	<b>2016</b>
	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>
Salaries and wages	61,006,776	51,876,238	21,628,723	20,327,053
Bonus	5,721,340	3,688,528	2,319,715	2,137,528
Overtime	6,345,423	4,333,729	5,352,462	3,843,394
EPF	6,324,842	5,351,772	2,525,845	2,426,046
ETF	1,584,955	1,337,945	631,464	606,512
Payment in lieu of unutilized leave	849,766	853,377	849,766	853,377
Provision for gratuity	3,513,010	764,400	1,631,458	764,400
Staff training	22,750	7,500	15,250	7,500
Transport allowance	1,301,534	1,110,433	1,301,534	1,110,433
Salary for trainees	247,049	-	-	-
Labour charges	-	362,900	-	-
Temporary labour	713,189	-	-	-
Subscription	72,279	97,391	72,279	97,391
Terminal emoluments	52,317	-	-	-
	<u>87,755,230</u>	<u>69,784,213</u>	<u>36,328,496</u>	<u>32,173,634</u>

**7. PUBLICATIONS, NEWSLETTERS AND OTHERS**

Photocopy materials	-	388,382	-	388,382
Printing of journals, transactions and SLEN	5,643,551	6,247,998	3,827,343	3,934,627
Computer stationery	1,853,566	1,793,561	1,853,566	1,793,561
	<u>7,497,118</u>	<u>8,429,941</u>	<u>5,680,910</u>	<u>6,116,570</u>

**8. UTILITIES**

Postage	1,512,991	1,973,254	1,467,871	1,940,213
Telephone, internet and fax	6,860,392	4,847,876	1,892,711	1,916,961
Electricity	10,381,254	9,590,234	4,577,660	4,213,823
Rates and taxes	558,558	482,328	558,558	482,328
Janitory service	4,028,126	3,869,285	1,563,850	1,513,829
Security service	3,898,740	4,134,159	1,752,000	1,820,841
Water supply	565,517	583,314	304,146	320,291
	<u>27,805,578</u>	<u>25,480,450</u>	<u>12,116,796</u>	<u>12,208,286</u>



The Institution of Engineers, Sri Lanka  
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**9. GENERAL ADMINISTRATION EXPENSES**

	Group		Institute	
	2017 Rs.	2016 Rs.	2017 Rs.	2016 Rs.
Advertising	1,230,791	2,431,617	764,455	315,635
Refreshment expenses for meeting	3,653,437	2,866,684	2,038,578	1,111,779
Secretarial expenses	170,723	120,645	-	-
<b>Repairs and maintenance</b>				
- Office and office equipment	3,012,385	9,897,999	306,758	428,557
- Computer center equipment	373,572	514,243	55,145	69,391
- Furniture and fittings	435,788	220,196	435,788	220,196
- Building and garden	796,511	1,337,028	796,511	1,337,028
- Maintenance agreements	545,601	387,522	545,601	387,522
- Bicycle	5,540	4,255	5,540	4,255
- Web site maintenance charges	1,768,683	594,569	10,000	2,500
- Others	7,895	57,730	7,895	57,730
Election and AGM expenses	3,260,948	2,333,842	3,260,948	2,333,842
Board committee expenses	1,101,720	1,281,000	-	-
New year festival	406,964	347,532	406,964	347,532
Memorial lectures	596,840	851,302	596,840	851,302
Subscriptions to foreign and local organizations	779,475	587,504	779,475	587,504
Participation in local and foreign activities	1,130,568	2,494,800	1,130,568	2,494,800
Travelling and transport	4,502,805	3,763,732	694,695	838,742
Insurance	1,699,816	909,176	389,799	540,565
Lease rent on premises	1,875	1,875	1,875	1,875
Press notice	1,203,549	1,113,925	1,203,549	1,113,925
Seal for structural engineers	397,155	460,565	397,155	460,565
Miscellaneous expenses	877,292	347,971	877,292	1,839,471
Audit fee	614,065	583,808	326,645	371,390
Staff Welfare	540,572	-	540,572	-
Events	231,573	1,804,224	-	-
Tax consultancy fee	52,785	-	-	-
Online survey project	62,439	15,741	62,439	15,741
Finance consultancy fee	-	220,000	-	-
Bank charges	41,085	59,359	-	-
Sundry expenses	-	2,551	-	-
SD & CC rent	16,869,672	16,648,063	-	-
Photocopy rent	967,389	1,166,861	-	-
Projectors rent	75	-	-	-
Lab expenses	447,743	235,011	-	-
Open day ceremony	-	121,500	-	-
Student Library	-	430,119	-	-
IESL Gym	30,600	213,000	-	-
Graduation	799,956	-	-	-
Office Equipment & Accessories	77,868	34,859	-	-
Amortization of intangible assets	846,180	601,739	-	-
Tax expense related to royalty Licence	-	1,228,731	-	-
	<b>49,541,935</b>	<b>56,291,278</b>	<b>15,635,087</b>	<b>15,731,847</b>



The Institution of Engineers, Sri Lanka  
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**10. PROVINCIAL CENTRE EXPENSES**

	Group		Institute	
	2017 Rs.	2016 Rs.	2017 Rs.	2016 Rs.
Central province	480,000	480,000	480,000	480,000
Wayamba province	480,000	480,000	480,000	480,000
Sabaragamuwa province	480,000	480,000	480,000	480,000
North central province	480,000	480,000	480,000	480,000
Southern province	480,000	480,000	480,000	480,000
Uva province	480,000	480,000	480,000	480,000
Eastern province	480,000	-	480,000	-
North province	480,000	485,000	480,000	485,000
	<u>3,840,000</u>	<u>3,365,000</u>	<u>3,840,000</u>	<u>3,365,000</u>

**11. OTHER INCOME**

	Group		Institute	
	2017 Rs.	2016 Rs.	2017 Rs.	2016 Rs.
Hire of auditorium and equipment	937,118	510,856	1,334,817	849,066
Interest from short term and long term investments	20,478,389	12,365,338	16,009,637	9,532,206
Exhibition - Techno	29,111,085	26,483,288	29,111,085	26,483,288
Rent income	1,026,191	913,152	1,026,191	913,152
Miscellaneous income	<b>11.1</b> 2,336,735	2,013,654	2,143,699	2,845,373
Evaluation Fee	<b>11.2</b> 8,087,913	2,881,253	8,087,913	2,881,253
Annual section income	655,533	352,000	655,533	352,000
Dividend income from college	-	-	1,800,000	16,670,823
Christmas party income	316,000	308,500	316,000	308,500
Induction and graduation ceremony	2,645,239	3,064,435	2,536,239	3,064,435
National engineering conference	<b>11.3</b> -	1,210,499	-	1,210,499
Memorial & Public Lectures	-	100,000	-	100,000
Members Night Income	<b>11.4</b> -	91,205	-	91,205
Washington accord EMF	9,023,672	8,292,595	9,023,672	8,292,595
	<u>74,617,875</u>	<u>58,586,775</u>	<u>72,044,786</u>	<u>73,594,395</u>

**11.1 Miscellaneous income**

Interest on staff loans	108,369	109,860	108,369	109,860
Advertisement SLEN	172,615	262,000	172,615	262,000
Seal for corporate members	461,587	603,600	461,587	603,600
Other income	1,594,164	1,038,194	1,401,128	1,869,913
	<u>2,336,735</u>	<u>2,013,654</u>	<u>2,143,699</u>	<u>2,845,373</u>

**11.2 Evaluation fee**

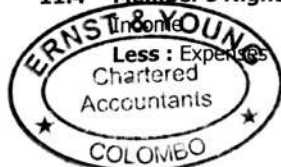
Income	8,415,000	3,531,758	8,415,000	3,531,758
<b>Less:</b> Expenses	(327,087)	(650,505)	(327,087)	(650,505)
	<u>8,087,913</u>	<u>2,881,253</u>	<u>8,087,913</u>	<u>2,881,253</u>

**11.3 National engineering conference**

Income	-	4,393,000	-	4,393,000
<b>Less :</b> Expenses	-	(3,182,501)	-	(3,182,501)
	<u>-</u>	<u>1,210,499</u>	<u>-</u>	<u>1,210,499</u>

**11.4 Member's Night Income**

Income	-	1,521,500	-	1,521,500
<b>Less :</b> Expenses	-	(1,430,295)	-	(1,430,295)
	<u>-</u>	<u>91,205</u>	<u>-</u>	<u>91,205</u>



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**12. OTHER EXPENSES**

	<b>Group</b>		<b>Institute</b>	
	<b>2017</b>	<b>2016</b>	<b>2017</b>	<b>2016</b>
	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>
Professional fee				
Legal fee and expenses	2,677,600	626,000	2,182,600	626,000
Consultancy fee	431,480	741,300	431,480	741,300
Professional Charges	253,846	-	253,846	-
Annual sessions and international seminars	8,008,660	6,789,075	8,008,660	6,789,075
Disallowed VAT	9,709	386,847	9,709	386,847
Nation building tax	7,254,559	3,093,309	3,244,670	1,712,749
ESC Tax	837,911	-	837,911	-
Contribution to award funds	39,500	10,000	39,500	10,000
Chapter Expenses - QLD	28,877	-	28,877	-
Sectional committee expenses	<b>12.1</b> 3,755,012	2,117,142	3,755,012	2,117,142
Members' night - expense	<b>12.2</b> 218,267	-	218,267	-
Award Excellence ceremony	<b>12.3</b> -	1,807,053	-	1,807,053
Exhibition - Techno	22,898,575	18,482,443	22,898,575	18,482,443
Induction and graduation ceremony	2,631,113	2,999,183	2,631,113	2,999,183
"Junior Inventor of the Year" competition and scholarship programme (JIY)	1,283,355	1,072,549	1,283,355	1,072,549
Washington accord and EMF	10,668,759	10,139,402	10,668,759	10,139,402
Museum project	24,820	23,500	24,820	23,500
Sale of inventory items	<b>12.4</b> 872,688	2,022,146	872,688	2,022,146
National engineering conference	<b>12.5</b> 2,836,141	-	2,836,141	-
Library expenses	347,733	152,328	347,733	152,328
Other expenses	616,591	1,004,922	428,323	777,692
Co-service Fees	-	468,968	-	-
Receivable Written off	330,527	-	-	-
Provision for Course Fee receivable	2,624,500	-	-	-
Course Development Expenses	-	75,000	-	-
	<u>68,650,223</u>	<u>52,011,167</u>	<u>61,002,039</u>	<u>49,859,409</u>
<b>12.1 Sectional committee expense</b>				
Income	(1,665,825)	(223,250)	(1,665,825)	(223,250)
<b>Less : Expenses</b>	<u>5,420,837</u>	<u>2,340,392</u>	<u>5,420,837</u>	<u>2,340,392</u>
	<u>3,755,012</u>	<u>2,117,142</u>	<u>3,755,012</u>	<u>2,117,142</u>
<b>12.2 Members night - expense</b>				
Income	(2,954,783)	-	(2,954,783)	-
<b>Less : Expenses</b>	<u>3,173,050</u>	<u>-</u>	<u>3,173,050</u>	<u>-</u>
	<u>218,267</u>	<u>-</u>	<u>218,267</u>	<u>-</u>
<b>12.3 Award Excellence Ceremony</b>				
Income	-	(1,260,000)	-	(1,260,000)
<b>Less : Expenses</b>	<u>-</u>	<u>3,067,053</u>	<u>-</u>	<u>3,067,053</u>
	<u>-</u>	<u>1,807,053</u>	<u>-</u>	<u>1,807,053</u>
<b>12.4 Sale of inventory item</b>				
Income	(606,940)	(547,100)	(606,940)	(547,100)
<b>Less : Cost of goods sold</b>	<u>1,479,628</u>	<u>2,569,246</u>	<u>1,479,628</u>	<u>2,569,246</u>
	<u>872,688</u>	<u>2,022,146</u>	<u>872,688</u>	<u>2,022,146</u>
<b>12.5 National engineering conference</b>				
Income	(545,975)	-	(545,975)	-
<b>Less : Expenses</b>	<u>3,382,116</u>	<u>-</u>	<u>3,382,116</u>	<u>-</u>
	<u>2,836,141</u>	<u>-</u>	<u>2,836,141</u>	<u>-</u>
<b>FINANCE CHARGES</b>				
Credit Card Commissions and Bank charges	2,084,633	1,526,296	2,084,633	1,526,296
Accountants	<u>2,084,633</u>	<u>1,526,296</u>	<u>2,084,633</u>	<u>1,526,296</u>



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**14. INCOME TAX EXPENSES**

The major components of income tax expense for the year ended 31 December as follows :

	<b>Group</b>		<b>Institute</b>	
	<b>2017</b>	<b>2016</b>	<b>2017</b>	<b>2016</b>
	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>
<b>Current income tax</b>				
Current income Tax charge (14.2)	5,598,296	4,903,918	-	-
Differed Tax charge (14.4)	4,188,923	-	2,594,119	-
10% withholding tax on inter company dividend	200,000	1,852,313	-	-
Income tax expense reported in the Income Statement	<u>9,987,219</u>	<u>6,756,231</u>	<u>2,594,119</u>	<u>-</u>

**14.1** The institution is exempt from income tax under the sec 7 (b) (xxiv) of the Inland Revenue Act No.10 of 2006

**14.2 A reconciliation between tax expense and the product of accounting profit**

Accounting Profit Before Taxation	63,184,139	68,672,865	19,091,265	38,130,100
Accounting profit not liable for tax (Exempt profit)	(19,091,265)	(38,130,100)	(19,091,265)	(38,130,100)
Aggregate Disallowable Expenses	26,699,867	31,682,613	-	-
Aggregate Allowable Expenses	(27,322,286)	(21,118,964)	-	-
Taxable income	<u>43,470,455</u>	<u>41,106,414</u>	<u>-</u>	<u>-</u>
Tax on income at concessionary rate @ 10%	4,347,045	4,110,641	-	-
Tax on Balance income @ 28%	1,251,251	793,277	-	-
Current tax charge	<u>5,598,296</u>	<u>4,903,918</u>	<u>-</u>	<u>-</u>

**14.3 Differed tax Expense/ (Income)**

**Differed Tax arising from:**

Property, plant & equipments	5,543,980	-	3,779,271	-
Employee Benefit Liability	(1,355,057)	-	(1,185,152)	-
Total Differed Tax Charge	<u>4,188,923</u>	<u>-</u>	<u>2,594,119</u>	<u>-</u>

**14.4 Differed Tax Liability**

At the beginning of the year	-	-	-	-
Charge for the year	4,188,923	-	2,594,119	-
At the end of the year	<u>4,188,923</u>	<u>-</u>	<u>2,594,119</u>	<u>-</u>

Differed Tax Liability has been calculated at the rate of 14% which is the enacted rate as per the new Inland Revenue Act No.24 of 2017.



The Institution of Engineers, Sri Lanka  
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15. PROPERTY, PLANT AND EQUIPMENT

15.1 Institute

Description of assets	COST			DEPRECIATION			WDV	
	Balance as at 01.01.2017 Rs.	Additions during the year Rs.	Disposal during the year Rs.	Balance as at 31.12.2017 Rs.	Charge for the year Rs.	Depreciation for disposal asset Rs.	Balance as at 31.12.2017 Rs.	Balance as at 31.12.2016 Rs.
<b>Freehold</b>								
Buildings	113,267,101	395,200	-	113,662,301	4,214,138	-	70,830,688	74,649,626
Air conditioners	7,635,607	1,709,100	-	9,344,707	1,092,691	-	3,750,303	3,133,895
Computer equipment	14,840,396	1,102,270	-	15,942,666	1,229,367	-	1,873,066	2,000,163
Office equipment	9,970,864	152,824	-	10,123,688	1,105,480	-	1,631,073	2,583,729
Furniture and fittings	15,453,343	316,827	-	15,770,170	1,736,450	-	2,712,284	4,131,907
Bicycle	13,810	-	-	13,810	1,768	-	-	1,768
President's office	3,100	-	-	3,100	99	-	-	99
Library books	6,053,571	116,856	-	6,170,427	594,794	-	1,001,284	1,479,221
Canteen equipment	207,799	-	-	207,799	1,254	-	-	1,254
Water pump and accessories	165,611	-	-	165,611	1,627	-	-	1,627
Members lounge	11,544,848	-	-	11,544,848	523,738	-	10,188,508	10,712,246
Cloaks	716,540	-	-	716,540	66,847	-	-	66,847
Musical Instruments	865,113	-	230	864,883	191,688	-	574,832	766,750
	180,737,703	3,793,077	230	184,530,549	10,759,941	-	92,562,037	99,529,132



15. PROPERTY, PLANT AND EQUIPMENT (Contd...)

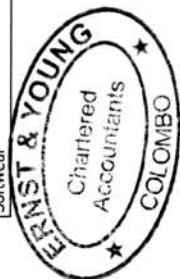
15.2 Group

Description of Assets	COST			DEPRECIATION			WDV	
	Balance as at 01.01.2017 Rs.	Additions during the Year Rs.	Disposal during the Year Rs.	Balance as at 31.12.2017 Rs.	Charge for the year Rs.	On disposal Rs.	Balance as at 31.12.2017 Rs.	Balance as at 31.12.2016 Rs.
<b>Freehold</b>								
Buildings	113,267,101	395,200	-	113,662,301	4,214,138	-	70,830,688	74,649,626
Air conditioners	7,635,607	1,709,100	-	9,344,707	1,092,691	-	3,750,303	3,133,895
Computer equipment	27,375,508	6,020,000	-	33,395,508	18,322,526	-	8,514,445	9,052,982
Office equipment	39,330,965	1,682,620	-	41,013,585	6,558,537	-	13,782,487	20,744,382
Lab equipment	20,218,143	15,042,181	-	35,260,324	8,644,515	-	23,579,132	16,074,271
Furniture and fittings	15,453,343	316,827	-	15,770,170	7,537,320	-	2,712,284	4,131,907
Bicycle	13,810	-	-	13,810	1,768	-	-	1,768
President's office	3,100	-	-	3,100	99	-	-	99
Library books	6,053,571	116,856	-	6,170,427	594,794	-	1,001,284	1,479,221
Canteen equipment	207,799	-	-	207,799	1,254	-	-	1,254
Water pump and accessories	165,611	-	-	165,611	1,627	-	-	1,627
Members lounge	11,544,848	-	-	11,544,848	523,738	-	10,188,508	10,712,246
Cloaks	716,540	-	-	716,540	66,847	-	-	66,847
Musical Instruments	865,113	-	230	864,883	191,688	-	574,832	766,750
	242,851,059	25,282,784	230	268,133,613	31,165,466	-	133,199,650	140,816,874

16. INTANGIBLE ASSETS

Group

Description of Assets	COST			DEPRECIATION			WDV	
	Balance as at 01.01.2017 Rs.	Additions during the Year Rs.	Disposal during the Year Rs.	Balance as at 31.12.2017 Rs.	Charge for the year Rs.	On disposal Rs.	Balance as at 31.12.2017 Rs.	Balance as at 31.12.2016 Rs.
<b>Software</b>								
	3,375,474	-	-	3,375,474	846,180	-	1,447,919	2,773,734



The Institution of Engineers, Sri Lanka  
**NOTES TO THE FINANCIAL STATEMENTS**  
Year ended 31 December 2017

**17. CAPITAL WORK-IN-PROGRESS**

	<b>Group</b>		<b>Entity</b>	
	<b>2017</b>	<b>2016</b>	<b>2017</b>	<b>2016</b>
	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>
<b>Balance as at the beginning of the year</b>	-	-	-	-
<b>Add: Additions during the year</b>	7,833,556	-	7,833,556	-
<b>Balance at the end of the year</b>	7,833,556	-	7,833,556	-

**18. OTHER FINANCIAL ASSETS**

**Dr. Sri Lakshman De Silva**

Bank of Ceylon - A/C No.73310550

50,000	50,000	50,000	50,000
50,000	50,000	50,000	50,000

**Benevolent Fund - Bank of Ceylon - Torrington Square**

Bank of Ceylon - A/C No.75868128

Benevolent Fund - Call deposits

7,284,775	6,756,423	7,284,775	6,756,423
200,000	200,000	200,000	200,000
7,484,775	6,956,423	7,484,775	6,956,423
7,534,775	7,006,423	7,534,775	7,006,423

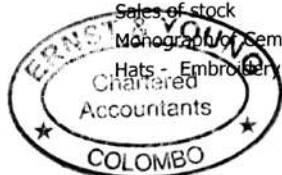
**19. INVESTMENT IN SUBSIDIARY**

IESL College of Engineering (Pvt) Limited

-	-	10	10
-	-	10	10

**20. INVENTORIES**

Ties	338,597	199,201	338,597	199,201
Brooch - New	99,750	-	99,750	-
Stickers	22,005	35,699	22,005	35,699
Dr. A.N.S. Kulasinghe volume - Books	632	632	632	632
History of engineering Sri Lanka	405,756	449,673	405,756	449,673
Construction through the ages	1,045	1,045	1,045	1,045
Water supply and sewerage books	1,700	1,700	1,700	1,700
IESL T-shirts	790,568	193,317	624,068	22,377
Irrigation Development in Sri Lanka	157	158	157	158
Directory of structural engineers	4,109	2,591	4,109	2,591
Air, maritime and rail transport	1,750	1,750	1,750	1,750
Domestic wiring book	26,395	30,007	26,395	30,007
Log book	51,795	26,185	51,795	26,185
Umbrella	112,240	27,933	112,240	27,933
Lapel pin	325	325	325	325
Cufflinks/Tie pin	102,333	166,764	102,333	166,764
Directory of adjudicator	21,061	8,625	21,061	8,625
Directory of building services	7,200	20,700	7,200	20,700
Stamps in hands	-	464,378	-	464,378
Stationery	403,486	367,396	403,486	367,396
Caps and hats with embroidery	25,750	2,464	25,750	2,464
Brooch	27,013	32,382	27,013	32,382
Pendent	12,775	12,775	12,775	12,775
Twin pen	69,480	1,572	69,480	1,572
Hybrid vehicles monograph	54,362	64,680	54,362	64,680
Library index	105,938	105,937	105,938	105,937
Lighting protection	28,220	38,335	28,220	38,335
Sales of stock	238,840	32,410	238,840	32,410
Monograph of Cement - English	36,900	-	36,900	-
Hats - Embroidery	428	-	428	-
	2,990,611	2,288,634	2,824,111	2,117,694



The Institution of Engineers, Sri Lanka  
**NOTES TO THE FINANCIAL STATEMENTS**  
Year ended 31 December 2017

**21. ACCOUNTS RECEIVABLES**

	<b>Group</b>		<b>Institute</b>	
	<b>2017 Rs.</b>	<b>2016 Rs.</b>	<b>2017 Rs.</b>	<b>2016 Rs.</b>
Interest receivable	7,445,031	4,487,508	7,293,561	4,240,606
Staff loans	5,785,092	3,789,403	5,785,092	3,789,403
Receivable against returned cheques	208,483	79,008	208,483	79,008
Salary Advance	229,000	109,000	229,000	109,000
Other receivables	87,195	83,748	87,195	83,748
Receivable from events	278,475	-	278,475	-
IET Sri Lanka	155,535	139,154	155,535	139,154
Society of Structural Eng.	1,221	48,817	1,221	48,817
Techno Exhibition	220,000	1,710,000	220,000	1,710,000
Accounts Receivable: From Universities	5,760,475	5,372,438	5,760,475	5,372,438
COD Income receivable	1,218,510	-	1,218,510	-
Course fees - Advanced diploma stage 01	1,750,000	1,650,000	-	-
Course fees - Advanced diploma stage 02	985,000	1,342,000	-	-
Examination fees - Certificate level stage 02	10,000	-	-	-
SD and CC receivable	-	310,900	-	-
Surcharge - Certificate level stage 01	-	-	-	-
Surcharge - Certificate level stage 02	-	10,000	-	-
Surcharge - Advanced diploma stage 01	17,500	32,500	-	-
Surcharge - Advanced diploma stage 02	27,000	27,000	-	-
Course fee - Graduate diploma	2,515,000	1,245,000	-	-
Surcharge - Graduate diploma	40,000	40,000	-	-
Surcharge - Full time semester 02	30,000	30,000	-	-
Registration fee receivable	10,000	10,000	-	-
NBT Receivable	-	330,647	-	-
Medical Insurance Recover	270,690	279,040	-	-
Provision for Course fee	(2,624,500)	-	-	-
	<u>24,419,706</u>	<u>21,126,163</u>	<u>21,237,546</u>	<u>15,572,174</u>

**22. DEPOSITS, PREPAYMENTS AND ADVANCES**

CEB security deposit	575,000	575,000	575,000	575,000
Deposit - Director of Telecommunication	29,125	29,125	29,125	29,125
Festival advances	45,000	51,000	45,000	51,000
Salary advance	-	51,875	-	-
BMICH reservation	200,000	424,000	200,000	424,000
Prepaid medical insurance	1,107,153	971,534	524,526	374,387
Refundable deposit	92,500	90,000	2,500	-
Service agreement	150,940	338,530	150,940	338,530
Prepaid general insurance	120,785	87,785	120,785	87,785
Cash advance (JIY, P/R Interview, YMS, Sec.Comit)	471,486	1,145,459	471,486	1,145,459
Other prepayment	8,642	8,262	8,642	8,262
Advance payment	57,150	118,045	57,150	118,045
Advance payment - IESL event	303,641	-	303,641	-
Insurance: Recovery from Employees	249,450	-	249,450	-
Cash Advance: Cash Ad - PR 20 Year Rule	-	63,300	-	63,300
Cash Advance: Advance - Office Maintenance	180	32,350	180	32,350
Supplier Advance Payment	-	325,680	-	-
Staff Loan	16,000	-	-	-
NBT Paid in Advance	181,580	-	-	-
	<u>3,608,633</u>	<u>4,311,945</u>	<u>2,738,426</u>	<u>3,247,243</u>



The Institution of Engineers, Sri Lanka  
**NOTES TO THE FINANCIAL STATEMENTS**  
Year ended 31 December 2017

**23. FINANCIAL ASSETS**

	Group		Institute	
	2017 Rs.	2016 Rs.	2017 Rs.	2016 Rs.
Bank of Ceylon - A/C No. 2355742	1,200,000	1,200,000	1,200,000	1,200,000
Bank of Ceylon - A/C No.74932553	67,519,237	61,517,460	67,519,237	61,517,460
Bank of Ceylon - A/C No.74565272	50,000,000	50,000,000	50,000,000	50,000,000
Bank of Ceylon - A/C No.78879369	20,000,000	20,000,000	20,000,000	20,000,000
Bank of Ceylon - A/C No.81674526	30,800,000	-	30,800,000	-
	<u>169,519,237</u>	<u>132,717,460</u>	<u>169,519,237</u>	<u>132,717,460</u>

**24. CASH AND CASH EQUIVALENTS**

**Favourable balances**

Cash in hand	683,870	5,350,691	660,355	5,239,873
Cash at bank	57,786,707	33,211,857	29,130,672	33,209,812
Time deposits	29,523,615	27,072,135	-	-
	<u>87,994,191</u>	<u>65,634,683</u>	<u>29,791,026</u>	<u>38,449,685</u>

**Bank overdraft**

	(2,129,562)	(11,748,330)	(1,593,743)	(866,354)
	<u>85,864,629</u>	<u>53,886,353</u>	<u>28,197,283</u>	<u>37,583,331</u>

**25. LIBRARY FUND**

Balance at the beginning of the year	500,362	500,362	500,362	500,362
Balance at the end of the year	<u>500,362</u>	<u>500,362</u>	<u>500,362</u>	<u>500,362</u>

**26. FUNDS BACKED BY SPECIFIC INVESTMENTS**

**Dr Sri Lakshman De Silva**

Balance as at 01.01.2017	56,373	53,375	56,373	53,375
<b>Add:</b> Contribution during the year	-	2,998	-	2,998
Balance as at 31.12.2017	<u>56,373</u>	<u>56,373</u>	<u>56,373</u>	<u>56,373</u>

**E.C. Fernando Memorial Award**

Balance as at 01.01.2017	275,874	275,874	275,874	275,874
<b>Add:</b> Contribution for the year	-	-	-	-
<b>Less:</b> Cash awards	-	-	-	-
Balance as at 31.12.2017	<u>275,874</u>	<u>275,874</u>	<u>275,874</u>	<u>275,874</u>

**L.S. De Silva Memorial Award**

Balance as at 01.01.2017	10,000	20,000	10,000	20,000
<b>Less:</b> Cash awards	(10,000)	(10,000)	(10,000)	(10,000)
Balance as at 31.12.2017	<u>-</u>	<u>10,000</u>	<u>-</u>	<u>10,000</u>

**M. Chandrasena Award**

Balance as at 01.01.2017	82,744	103,694	82,744	103,694
<b>Add:</b> Contribution for the year	-	-	-	-
<b>Less:</b> Cash awards	(10,000)	(20,950)	(10,000)	(20,950)
Balance as at 31.12.2017	<u>72,744</u>	<u>82,744</u>	<u>72,744</u>	<u>82,744</u>



The Institution of Engineers, Sri Lanka  
**NOTES TO THE FINANCIAL STATEMENTS**  
Year ended 31 December 2017

**26. FUNDS BACKED BY SPECIFIC INVESTMENTS (Contd...)**

	<b>Group</b>		<b>Institute</b>	
	<b>2017</b>	<b>2016</b>	<b>2017</b>	<b>2016</b>
	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>	<b>Rs.</b>
<b>E.W. Karunaratne Award</b>				
Balance as at 01.01.2017	287,676	307,626	287,676	307,626
<b>Add:</b> Contribution for the year	-	-	-	-
<b>Less:</b> Cash awards	(20,000)	(19,950)	(20,000)	(19,950)
Balance as at 31.12.2017	267,676	287,676	267,676	287,676
<b>N.D. Peries Memorial Award</b>				
Balance as at 01.01.2017	111,790	116,790	111,790	116,790
<b>Add:</b> Contribution during the year	-	-	-	-
<b>Less:</b> Cash awards	(5,000)	(5,000)	(5,000)	(5,000)
Balance as at 31.12.2017	106,790	111,790	106,790	111,790
<b>Ray Wijewardana Award</b>				
Balance as at 01.01.2017	90,000	60,000	90,000	60,000
<b>Add:</b> Contribution During the Year	30,000	30,000	30,000	30,000
<b>Less:</b> Cash awards	-	-	-	-
Balance as at 31.12.2017	120,000	90,000	120,000	90,000
<b>Wimalasurendra Award Fund</b>				
Balance as at 01.01.2017	1,000,000	1,000,000	1,000,000	1,000,000
<b>Add:</b> Contribution during the year	-	-	-	-
<b>Less:</b> Cash awards	-	-	-	-
Balance as at 31.12.2017	1,000,000	1,000,000	1,000,000	1,000,000
<b>S.D. and C.C. Award</b>				
Balance as at 01.01.2017	990,000	995,000	990,000	995,000
<b>Add:</b> Contribution during the year	-	-	-	-
<b>Less:</b> Cash awards	(19,500)	(5,000)	(19,500)	(5,000)
Balance as at 31.12.2017	970,500	990,000	970,500	990,000
<b>Benevolent Fund - Bank of Ceylon</b>				
Balance as at 01.01.2017	7,211,248	6,585,510	7,211,248	6,585,510
<b>Add:</b> Contribution during the year	-	692,531	-	692,531
Interest for the year	-	383,207	-	383,207
	7,211,248	7,661,248	7,211,248	7,661,248
<b>Less:</b> Expenditure Incurred during the year		(450,000)		(450,000)
Balance as at 31.12.2017	8,362,883	7,211,248	8,362,883	7,211,248
<b>Other Funds</b>				
Building renovation fund	-	-	-	-
Funds received for P/A system from members	625,000	625,000	625,000	625,000
Benevolent Fund: Flood Relief	115,600	-	115,600	-
	740,600	625,000	740,600	625,000
<b>Balance as at 31.12.2017</b>	<b>11,973,440</b>	<b>10,740,705</b>	<b>11,973,440</b>	<b>10,740,705</b>



The Institution of Engineers, Sri Lanka  
**NOTES TO THE FINANCIAL STATEMENTS**  
Year ended 31 December 2017

**27. RETIREMENT BENEFIT OBLIGATION**

	Group		Institute	
	2017	2016	2017	2016
	Rs.	Rs.	Rs.	Rs.
Balance at the beginning of the year	6,833,913	6,069,513	6,833,913	6,069,513
<b>Add:</b> Provision for the year	3,330,510	764,400	1,631,458	764,400
Balance at the end of the year	<u>10,164,423</u>	<u>6,833,913</u>	<u>8,465,371</u>	<u>6,833,913</u>

**28. ACCOUNTS PAYABLE**

Library deposits	1,750,809	1,680,809	1,750,809	1,680,809
Accrued charges	6,646,682	2,865,879	6,646,682	2,865,879
Refundable deposit	108,500	83,500	108,500	83,500
Retention money - building contractor	874,167	480,637	874,167	480,637
IESL NSW chapter	141,275	243,769	141,275	243,769
VAT payable	888,231	1,346,717	888,231	1,346,717
Other payables	4,996,734	5,840,795	748,845	1,199,598
Audit fees payable	209,000	-	209,000	-
	<u>15,615,401</u>	<u>12,542,106</u>	<u>11,367,510</u>	<u>7,900,908</u>

**29. RECEIPTS IN ADVANCE**

Members' fee	8,683,422	5,343,940	8,683,422	5,343,940
Others	100,000	100,000	100,000	100,000
Exam fee	2,256,000	-	2,256,000	-
Advance received for Professional reviewed	2,163,500	-	2,163,500	-
CPD Income advance received	1,492,472	-	1,492,472	-
Application fee	-	241,000	-	-
Course fee - Certificate level stage 02	-	150,000	-	-
Course fee - Advanced diploma stage 01	-	375,000	-	-
Exam fee - Certificate level 2	-	1,000	-	-
Amount Received in Advance - NBT	-	18,000	-	-
Amount Received in Advance - Course Fee AD2	125,000	487,200	-	-
Amount Received in Advance - Course Fee GD	400,000	-	-	-
	<u>15,220,394</u>	<u>6,716,140</u>	<u>14,695,394</u>	<u>5,443,940</u>

**30. AMOUNT DUE TO RELATED PARTY**

IESL College of Engineering (Private) Limited	-	-	2,000	2,000
	<u>-</u>	<u>-</u>	<u>2,000</u>	<u>2,000</u>

**31. COMMITMENTS**

There were no commitments and contingencies existing as at the reporting date.

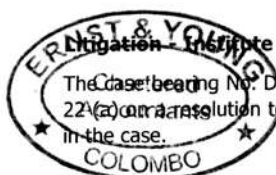
**32. CONTINGENT LIABILITIES AND CONTINGENT ASSETS**

**32.1 Contingent Liabilities**

**Litigation - Institute and Subsidiary**

During the year 2016, the case bearing No. CA (writ) application 26/2017 was filed in the Court of Appeal by 46 petitioners to restrain any one or more of respondents from taking any steps whatsoever to suspend, revoke or otherwise discontinue or reduce the efficacy of the courses that had been offered and to maintain the status quo in respect of all study programmes and other activities conducted by the company until the final determination of the case.

The outcome of the said case cannot be determinable as at the reporting date.



The outcome of the said case cannot be determinable as at the reporting date.

### 33. ASSETS PLEDGED

Following assets have been pledged against the credit facilities obtained from financial institutions.

#### The Institution of Engineers, Sri Lanka

Name of the financial institution	Nature of the facility	Assets pledged	Facility granted Rs.	Balance outstanding Rs.
Bank of Ceylon	Bank overdraft	Fixed deposit A/C No. 2355742	1,050,000	- *

#### IESL College of Engineering (Pvt) Ltd

Name of the financial institution	Nature of the facility	Assets pledged	Facility granted Rs.	Balance outstanding Rs.
Bank of Ceylon	Bank Overdraft	Fixed deposit	9,000,000	- *

\* Statement of Financial Position represents a Book Overdraft.

### 34. EVENTS OCCURRING AFTER THE REPORTING DATE

No circumstances have arisen, since the reporting date which would require adjustments to, or disclosures, in the financial statements.

### 35. RELATED PARTY TRANSACTIONS

The institution has entered into contracts in the normal course of business with the following subsidiary company, in which Eng. (Prof.) Niranjanie Ratnayake, Eng. (Prof.) T M Pallewatta, Eng. Jayavilal Meegoda, Eng. K P I U Dharmapala, Eng. Arjuna Manamperi, Eng. J A G R Jayalath are the council members of the institution are also directors of the said company.

The institute entered into the following transactions with the related company.

Name of the company	Relationship	Nature of the transaction	Value	
			2017 Rs.	2016 Rs.
IESL College of Engineering (Pvt) Ltd	Subsidiary	Telephone - Mobitel bill	-	30,128
		Rent income received	522,747	-
		Dividend income received (net)	1,800,000	16,670,823
		Royalty Income	-	9,943,575
		Hire of Auditorium Income	-	353,000
		Participation of techno exhibition	-	1,000,000
		Advertisement at IESL premises	-	1,500,000
		Student course fee refund	-	(220,000)



## STANDING COMMITTEES - 2017/2018

### CPD Committee

#### Continuous Professional Development

Continuing Professional Development (CPD) is an integral part of the professional framework for Engineers. CPD is the planned acquisition of knowledge, experiences, and personal qualities for proper execution of our professional and technical duties throughout our carrier. The IESL's CPD programs are a framework which facilitates lifelong learning for engineering professionals to remain relevant in today's dynamic environment due to the following reasons:

- Engineering knowledge today has a very short life span
- Life-long Learning is needed to keep individual's knowledge and skills up-to-date
- CPD programs provide an opportunity to update and engineer and learn new things and focus on areas relevant to current professional needs
- It also an opportunity for an engineer to meet and interact with other engineers and other professionals with a common interest, and form networks with them, which will help advancing ones professional career
- It helps to cultivate the learning-to-learn ability, which is a very important skill in career advancement

CPD is a requirement for obtaining and maintaining the Charter and Professional Engineer (PEng) status. When the engineers keep themselves updated with the current knowledge and advances in technology, as well as improve their communication and other soft skills, it leads to improvement in the professional practices and elevation of the image of the engineer in society.



## Continuing Professional Development Committee

Continuing Professional Development Committee (CPDC) of the Institution of Engineers Sri Lanka is responsible for development & timely review of CPD policies, assessing & evaluating CPD needs and conducting CPD programmes for our engineers. CPDC, which is one of the six (6) standing committees of the IESL was chaired by the Vice President, Eng. Arjuna Manamperi for the session 2017/2018. CPDC held eleven (11) monthly meetings during the session.

In addition to the CPDC, the following members contributed immensely for digital learning initiative, introducing and promoting CPD courses during the session:

Eng. D Abeysundara	Eng. C N Dalugoda	Eng. H M K S Marambage	Eng. P W Sarath
Eng. B A Tenson	Eng. D Dhushyananth	Eng. W H M A C Nanayakkara	Eng. R M N S B Ratnayake
Eng. G A R K Bandara	Eng. Y Dilrooban	Eng. K R P Perera	Eng. (Dr.) G B Sakura
Eng. (Ms.) I Ehelepola	Eng. R M Janaka	Eng. (Dr.) G N Samarasekara	Eng. S P S M Sandagiri
Eng. P D R L Isuru	Eng. K N Katulanda	Eng. S K E Sanjaya	Eng. T K J Sandagomi
Eng. (Dr.) A J M Korale	Eng. N T P G K S	Eng. B V S K Wijekoon	Eng. R Sasitharan
Eng. E K C S Madhuranga	Eng. G A A U Perera	Eng. Kamal D Wimalaratne	Eng. D S Wimalaratna
Eng. R M Chanaka	Eng. S A S Upendra	Eng. (Ms.) W R L H Silveira	Eng. J M Chandradasa
Eng. M N S S Sharifdeen	Eng. P C C Perera	Eng. G Tharmarajah	Eng. S P Kandaneerachchi
Eng. K P A Weerasinghe	Eng. J M Chandradasa		

Chairman, CPDC appreciates the contribution of all committee members, other volunteers, business partners, CPD coordinators, resource persons, IESL provincial chapters which collaborated with IESL CPDC to conduct CPD programmes and the secretariat staff.

## Key strategic CPD initiatives

Several key strategic initiatives were introduced during the session to uplift the quality and relevance of CPD Education:

- **CPD need analysis to cater the requirements of our members:** An online survey was shared among the IESL member-base in order to analyse the core focus areas for CPD in order to harness the competencies and skills of the 21st century engineers while strengthening relevance, quality and, the access to the CPD courses outside Colombo. The survey fundamentally focused on the following two (2) main questions on CPD courses conducted by IESL.
  - i. What is the purpose of our courses (value proposition)
  - ii. for whom (cater value to)

Accordingly, personal growth to be a better engineer-leader, meet emerging technical know-how that is vital for FUTURE survival, learn skills that are needed for CURRENT survival gain skills and-or understanding for nation building (to be innovative, to research, to be entrepreneurial, to be influential, to be an integrator of ideas and people, learn geo-politics, learn fundamental ideas sweeping the world over such as international trade, global supply chains, disruptive technologies, power of social media, etc.) were identified as high focus value propositions. The Survey findings also revealed that the CPD courses should mostly focus to cater value for emerging talent (3-5 years after entering work force) &

professionals (6-15 years with or without Charter). The IESL CPD direction and policies were aligned to create value for our members based on the findings derived.

- **Going digital with CPD Education to reach out to thousands of members anywhere at an affordable fee:** To deliver RESULTS in today's fast paced life-work environment, it is at utmost importance that Engineers become lifelong learners. Thus our members living locally and overseas must be able to acquire a wide spectrum of knowledge and learning opportunities at their convenience without coming to the Institution. The IESL CPD Digital Learning initiative has now enabled our members to embark their continuing professional development journey irrespective of time zone limitations or where they work-live with the launch of IESL Digital Learning Academy. Over 1,000 members have now registered with the IESL Digital Learning Academy.

In order to deliver dynamic and proactive service to the membership, IESL will partner with three digital learning platform providers to offer e-CPD resources. Furthermore, IESL also partners with digital content developers to support CPDC to deliver digital learning courses effectively.



**Professional collaborations with other professional bodies and large government departments & private sector institutions to derive synergies:** CPDC initiated discussions with other professional bodies to collaboratively conduct CPD programmes based on the different professional specializations to offer high quality CPD programmes to our members. Furthermore, negotiations are ongoing with large government departments & private sector institutions to identify the CPD needs of our Engineers and design focused and best in class CPD courses to uplift the competencies and skills of our engineers.

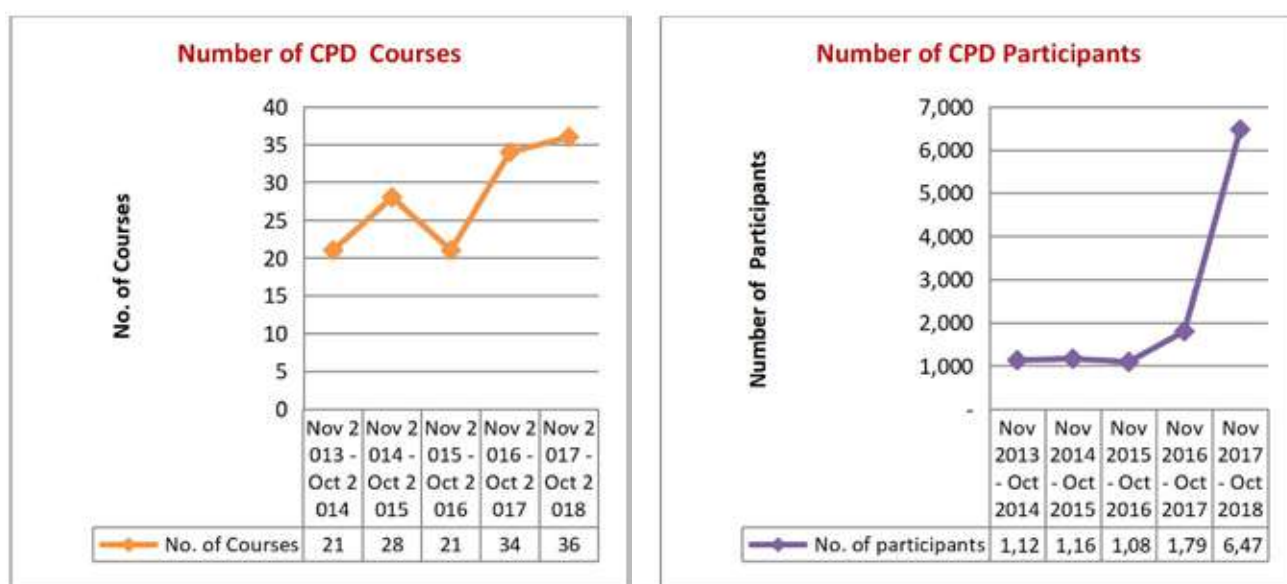
- **Process improvements, bringing cost efficiencies & re-investments:** In order to reduce cycle time of CPD programmes, the information gathering for decision making were revisited and introduced new forms and templates, introduced technology solutions as a continuous collaborative platform for faster decision making, collecting CPD course feedback online during & end session intervals to take preventive & corrective actions where necessary, set standards for issuing CPD certificates sooner after the course

completion. Quality of CPD certificates were improved while bringing cost efficiencies. During the session having deliberated the importance of re-investing on CPD facilities, it was approved to setup dedicated e-learning facilities to host live learning courses for local and overseas members.

## Growth & Performance of Continuing Professional Development

The growth of Continuing Professional Development programmes and the new initiatives over the years have assured promising future prospects in harnessing the competencies and skills of our members. Towards the journey of continuous improvement and maintaining the professional standards, the Institution of Engineers, Sri Lanka is committed to uplift the quality and relevance of the CPD programmes in the future through the land mark initiative of the year; 'going digital with CPD education', by supporting thousands of our engineers to remain relevant with the local challenges and completion.

### Number of courses conducted & total participants for CPD programmes over the five (5) year period

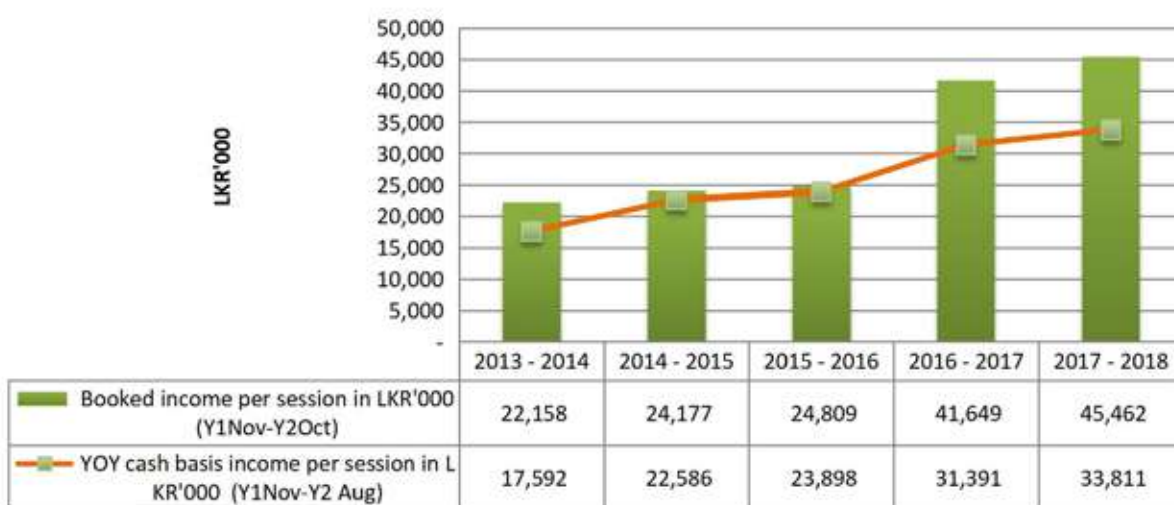


The number of CPD courses conducted and number of participants from the session 2013-2014 to 2017-2018 are presented. As depicted above, there is a significant increase in number of participants during the present session mainly due to the digital learning initiative.

### CPD Performance

### CPD Performance

#### CPD Performance



resulted for favourable performance over the years.

### CPD courses conducted during the session 2017/2018

During the session 24 CPD courses were completed with on-going 12 courses serving 6,441 participants by conducting total 36 CPD courses.

	Number of CPD	Number of total
	Number of CPD courses	Number of total participants
CPD Course Completed	24	1,423
On-going CPD Course (Face to Face)	5	162
On-going CPD Course (Digital Learning)	7	4,856
<b>Total</b>	<b>36</b>	<b>6,441</b>

During the session 2017/2018, Seven (7) new face to face CPD courses and ten (10) digital CPD courses were launched totaling to 17 new CPD courses.

#### Face to Face CPD Courses



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### Face to Face CPD Courses

- Modeling using Auto Cad & introduction to Solid Works
- Workplace Safety for Engineers
- Business Analytics via Data Science Principles
- Power Women
- Engineer in Society
- List of Testing of Pressure Vessels including Steam Boiler
- Automobile technology

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### Digital Learning CPD Courses

- Great Engineering Orators
- The Modern Change Leader
- Bring on the learning revolution
- What we are learning from online education
- Richard Baraniuk on open source learning
- Entrepreneurship and Innovation Management
- Improving English Technical Writing Skill
- Sales process & professional selling skills
- Etiquette professional & social
- Fundamentals of Financial Accounting

### CPD Team of the IESL Secretariat

CPD programs are coordinated by the Education Division of the IESL secretariat.

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#### CPD Team

Dilini Jaysinghe, Director Education (from Nov 2017 to date)  
Dhammika Pathirana, CPD Coordination (from 2013 to date)  
Bahasuru Nanayakkara, CPD Coordination (from Mar 2016 to date)  
Eshani De Silva, CPD Coordination (from Aug 2018 to date)  
Rajith Rathnayake, CPD Coordination (from Sept 2018 to date)

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#### CPD Support Team

Jiffry Farzandh, Manager Publicity  
Sanduni Fernando, CPD Coordination (from June 2016 to July 2018) & Course communication  
Augustus Silva, Arranging CPD facilities  
Anuradha Priyawickrama, Arranging CPD facilities  
Prasanna Ranasinghe, Arranging CPD facilities

(Reported by the Chairman CPDC & the Director Education)

## **Education Committee**

The focus of the Education Committee during the session 2017/2018 was centered on uplifting the professional engineering education standards, continuing improvements in quality assurance and monitoring mechanisms by introducing and revising the professional engineering education policies and procedures to uphold the quality and relevance of professional engineering education in Sri Lanka. As the apex professional body for engineering in Sri Lanka, the Education Committee is committed to extend the continuing support to elevate the standards of the engineering degree programmes in Sri Lanka as a strategic priority of creating tomorrow's engineers competent and confident through quality education.

### **Education Committee**

Education Committee of the Institution of Engineers Sri Lanka is one of the six (06) standing committees of the IESL, and was chaired by the Vice President, Eng. K P I U Dharmapala for the session 2017/2018. Education Committee held eleven (11) monthly meetings and a special committee meeting during the session.

Key policy decisions and educational activities performed by the Education Committee during the session 2017/2018 are as follows.

### **Education Policies on Recognition of Engineering Degree Programmes for the Affiliate and Associate Memberships of the IESL**

The Institution of Engineers, Sri Lanka (IESL) oversees the Engineering Profession in Sri Lanka, and in accordance with its Charter and provisions of the Act No. 17 of 1968 is empowered to admit to membership, classify and confer titles indicating the professional standing of its members. In fulfillment of its Charter obligations IESL has been responsible for the recognition of engineering education programmes in Sri Lanka and in providing consultative feedback on the development of engineering education programmes comparable to global practice.

The Institution of Engineers, Sri Lanka evaluates engineering education programmes and accords recognition in accordance with established criteria and procedures, through the IESL Education Committee.

- ***Preparation of the Engineering Technology Degree Programs Recognition Manual:***

As per the Engineering Council, Sri Lanka Act No. 4 of 2017, three (3) year full time degree in engineering recognized by the Institution of Engineers, Sri Lanka Act No. 17 of 1968 are allowed to practice as 'Affiliate Engineers' in Sri Lanka. The Education Committee during the session prepared the Engineering Technology Degree Programs Recognition Manual which outlined the criteria and procedures for recognizing "Bachelor of Engineering Technology" or "Bachelor of Engineering" degree programmes with minimum of three year duration for the Affiliate Membership of the IESL while playing an advisory role in supporting the education institutes to improve the quality and standards of the engineering education in Sri Lanka.

- ***Revision of the Manual for Recognition of Four Year Engineering Degree programmes Conducted in Sri Lanka:***

The Education Committee during the session 2017/2018 reviewed the Manual for Recognition of Four Year Engineering Degrees Conducted in Sri Lanka in order to improve the quality assurance in the degree programme recognition process with the intention of improving clarity in professional engineering education policies applicable for the Associate Membership of the IESL.

Furthermore, a framework for development of Key Performance Indicators (KPIs) for the engineering degree programme recognition was initiated during the session. The objective of introducing KPIs is to facilitate the engineering degree programme recognition process with quantitative measurements in critical areas to ensure transparency and consistency in evaluations while establishing education standards and guiding the engineering educators to uplift the quality of the engineering education.

- Having evaluated the importance of the degree programme recognition process for continuous improvement and development of a sustainable engineering education programme, it was approved that the accreditation of an engineering degree programme should be followed by the recognition of the particular engineering degree programme.
- Furthermore, it was communicated to the non-recognized institutes which offer engineering degree programmes in Sri Lanka to apply for the degree programme recognition of the IESL.

#### **Engineering Degree Programmes Recognised for the Associate Membership of the IESL**

During the session 2017-2018 eight (8) Engineering Degree Programme Recognitions were completed. Accordingly, the intake batches of year 2013 & 2014 of the following four (4) engineering degree programmes were recognized for the Associate Membership of the IESL:

- Bachelor of the Science of Engineering Degree in Civil Engineering, University of Jaffna
- Bachelor of the Science of Engineering Degree in Electrical & Electronic Engineering, University of Jaffna
- Bachelor of the Science of Engineering Degree in Mechanical Engineering, University of Jaffna
- Bachelor of the Science of Engineering Degree in Civil Engineering, South Eastern University of Sri Lanka

#### **Revision of the Scheme of Evaluating Academic Qualifications for the Associate Membership and Affiliate Membership of the IESL by Individual Candidates**

At present, IESL evaluates academic qualifications of individual candidates (who completed non-recognized/accredited engineering degree programmes) for Affiliate and Associate Memberships of the IESL based on the Guidelines approved in 2014. The Education Committee recognized the importance for revising these schemes for evaluating academic qualifications of individual applicants for granting the memberships due to the following main reasons:

- Grave differences in the academic content of engineering degrees offered by different institutions, both local and overseas

- Proliferation of topping up degrees offered by institutions on widely varying lateral entry conditions
- Extreme mixes in accumulated qualifications claimed to have degree equivalents
- Increasing requests for cross-discipline memberships

- ***Revision of the Scheme of Evaluating Academic Qualifications for the Associate Membership of the IESL by Individual Candidates:***

In order to ensure the revised scheme is fair, transparent and consistent, the evaluation criteria were aligned with the total and essential elements of an engineering academic programme as stipulated in the IESL Manual for Recognition of Four Year Engineering Degrees. Through the revised policy, the evaluation process of the non-recognised degree holders will be done on a common scale, eliminating ambiguities in adequacy of academic content coverage acceptable to a four year engineering degree programme.

- ***Revision of the Scheme of Evaluating Academic Qualifications for the Affiliate Membership of the IESL by Individual Candidates:***

The Education Committee during the session reviewed the Scheme of Evaluating Academic Qualifications for the Affiliate Membership of the IESL by Individual Candidates by aligning the total and essential elements of a recognized Bachelor of Engineering Technology or Bachelor of Engineering degree programme. The revised policy was presented for the approval of the Council during this session.

- ***Assessment of Engineering Degree Qualifications of the Senior Officers Employed in Sri Lanka Army and Air Force to obtain the Associate Membership of the IESL:***

In order to assess the Engineering Degree Qualifications of the Senior Officers Employed in Sri Lanka Army and Air Force for the Associate Membership of the IESL, two (2) policies were approved during the session aligning with the policy approved for assessing the Engineering Degree Qualifications of the Senior Officers Employed in Sri Lanka Navy to obtain AMIE (SL).

- ***Guideline for evaluating the qualifications of ImarEST Engineers:***

A mapping was performed on the qualification of a Chief Engineer on ships powered by main propulsion machinery of 3000kW or more against the qualification requirements under Sydney Accord during the session. This will be used as a guideline for evaluating the individual applications of ImarEST Engineers.

### **Introducing a Minimum Entry Qualification for the Associate Membership of the IESL:**

Engineering graduates who are eligible for applying for the Associate Membership of the IESL should be capable of applying the knowledge of mathematics, science, engineering fundamentals and an engineering specialization respectively to the solution of complex engineering problems. Having identifying the significance of a strong foundation for developing higher level analytical knowledge and competencies of an Associate Member, a minimum entry requirement for professional engineering education of minimum 2 “C” passes and 1 “S” pass in GCE Advanced Level (Local) Physical Science

Stream or 2 “B” passes and 1 “C” pass in GCE Advanced Level (Cambridge or Edexcel) in the relevant stream in one and the same sitting was introduced with effect from May 1 2018 to ensure the entrants have a reasonable chance of successfully completing their professional engineering education while upholding the relevant engineering education standards. It was further decided to review the entry requirement applicable for professional engineering education periodically with grade inflations.

#### **Development of syllabus for Qualifying Examinations of IESL & Entry Qualification Examination**

In line with the entry requirement for the Associate Membership of the IESL, Syllabus for Entry Qualification Examinations were published to facilitate the entry qualification examinations which will be conducted till 2020.

Syllabus development for Qualifying Examinations of the IESL was commenced during the session.

#### **IESL Part II & Part III examination / IESL Qualifying Examinations and Induction & Graduation Ceremony 2018**

IESL Part II & Part III examination / IESL Qualifying Examinations were successfully conducted during January & February 2018. It was decided to conduct another examination session during the November & December 2018.

During the session, forty-five (45) students who successfully completed the IESL Engineering Course & IESL Qualifying Examinations were graduated at the Induction & Graduating Ceremony 2018.

(Reported by the Chairman Education & the Director Education)

## **Finance & Procurement Committee**

The committee had eleven meetings during the session.

### **Financial Status**

The investment on Fixed Deposits stood at Rs. 169,519,237.00 as at December 31, 2017.

### **Auditors**

Ernst & Young, Chartered Accountants functioned as the Auditors for the year 2017.

### **NITF Health Insurance Scheme**

NITF Health Insurance Policy was renewed in 2018 with 34 to members, which was commenced on 1<sup>st</sup> December 2011 and successfully continuing with several benefits to policy holders.

### **Annual Budget**

The Annual Budget for the year 2018 was prepared by the Honorary Treasurer and approved by the Council.

### ***Based on recommendations made by the F&P Committee the following were implemented:***

- I. Following Fixed deposits were opened in Bank of Ceylon:  
  
FD No: 81674526 Rs. 30,800,000.00  
FD No: 82399623 Rs. 20,000,000.00
- II. Increased annual festival advance to IESL Staff (which is to be recovered by 10 installments) up to Rs. 20,000.00.
- III. Following rates of payments for IESL Examinations were revised:

	Per Paper/ subject rates LKR	
	Present Fee Rs.	Proposed Fee Rs.
Exam Paper Setting	5,500	10,000
Exam Paper Moderation	3,500	5,000
Exam Paper Marking	250	500
Examination application fee	2,000	3,500

- IV. Ernst & Young Chartered Accountants were appointed as the auditors of IESL with effect from 28<sup>th</sup> October 2017.

(Reported by Eng. (Prof.) (Mrs) N Ratnayake – Chairperson)

## **Professional Affairs Committee**

(Reported by Eng. (Prof.) (Mrs) N Ratnayake – Chairperson)

### **7. Technical Paper Transactions – 112th Annual Session.**

For the last several years IESL had been using the free trial version of “Easy Chair” with limited functions, for managing the annual transactions. During this session LP&C purchased “EasyChair professional version” package for an all-inclusive price of Rs. 49,000.00. Hence from this year onwards annual transactions are being managed via our own package.

This year altogether 111 papers had been sent to referees and 95 papers have been accepted after refereeing. The Technical Paper Presentations are scheduled for the 18th and 19th October, 2018.

### **Professional Standards Management Committee**

Professional Standard & Management Committee (PSMC) for the 2017/2018 Session had held 11 regular meetings during the Session 2017/2018. In addition, 2 special meetings were held to discuss important issues related to the Professional Review Process.

The membership division regularly updates the membership database after council approval is obtained for new Members, Transfers and Reinstatements. The system automatically archives names of members whose subscriptions are not received by 31<sup>st</sup> October of each year. Reminders for payment of subscriptions are sent regularly to the members whose payments are due, through the membership management system at one month intervals. Members whose names are archived need to apply for reinstatement of membership in order to regain the membership.

The total number of members as at the end of Sept 2017 was 19,545 and at end of Sept 2018 is 21,054. (Increased by 7.72%)

Discipline-wise distribution of Corporate Members and Associate Members as at 15.09.2018 is given in the Table below (Affiliate, Associate, Companion & Student are not included) :

<b>Disciplines</b>	<b>Corporate Members</b>	<b>Associate Members</b>	<b>Total</b>
Agricultural and Plantation	10	4	14
Building Services	47	16	63
Chemical	43	375	418
Civil	2,786	3,730	6,516
Computer	53	559	612
Electronic	236	741	977
Electrical	949	1,992	2,941
Marine	12	43	55
Material	7	199	206
Mechanical	529	1,680	2,209
Mining	25	323	348
Textile	8	144	152
Others	611	1,120	1,731
<b>Total</b>	<b>5,316</b>	<b>10,926</b>	<b>16,242</b>

Professional Affairs Committee had 11 monthly meetings during session 2017/18 chaired by the President Eng. (Prof)(Mrs) N. Ratnayake.

Professional Affairs Committee was mainly involved in following 5 major areas during the session.

1. Publication of Directories
2. Free Trade Agreements
3. Policy Forum
4. Radio and TV Programs
5. Engineering Enterprise Boot Camp (EEB)

**(1). Publication of Directories.**

- In order to meet the current requirements, guidelines for Arbitrator/Adjudicator and Structural Engineers Directories were amended.

- **Arbitrator/Adjudicator Directory**

In year 2018, 3 new Arbitrators and 11 new Adjudicators were added to the existing directory.

In the Year 2018/2019 Directory, 23 Arbitrators and 64 Adjudicators are listed in total. Directory printing process is currently in progress.

- **Structural Engineers' Directory 2018/2019**

Total engineers registered for different categories are listed as follows.

Low Rise Category (up to 4 floors)	Intermediate Category (up to 8 floors)	Middle Rise Category(up to 12 floors)	High Rise Category (A) (up to 20 floors)	High Rise Category (B) (more than 20 floors)
525	40	30	11	63

- **Building Services Engineers Directory**

Year 2017/2018 Directory was issued in and 103 engineers were registered. New Applications were called for 2018/2019 Directory.

**(2) Free Trade Agreements**

Professional Affairs committee had written communications and held several discussions with government authorities and other professional institutions to mitigate negative impacts to the local engineering profession by Free Trade Agreements, while suggesting strategies to make use of such agreements to enhance the country's economic and social conditions in global perspective. In relation to this initiative, following actions had been carried out.

- 27th November 2017 - President, IESL writes to the Secretary, MoDSIT requesting for the minutes of the Trade Liberalization Meeting held on 27th October 2017
- 25th January 2018 - President, IESL writes to the Secretary, MoDSIT, requesting for a copy of SLSFTA Agreement signed on 23<sup>rd</sup> January 2018
- 17th April 2018 - President, IESL writes to Hon. Prime Minister raising IESL concerns over signing SLSFTA without proper stakeholder consultation and dialogue with IESL
- 18th April 2018 - President, IESL writes to His Excellency The President complaining that the SLSFTA was signed disregarding concerns raised by the IESL
- 25th April 2018 - President, IESL writes to His Excellency the President, Hon. Prime Minister and Hon. Minister Malik Samarawickrama, Minister of Development Strategies and International Trade requesting for appointments with them to discuss SLSFTA agreement
- 26th April 2018 – President, IESL receives a reply from Hon. Minister Malik Samarasinghe in response to the concerns raised by IESL on SLSFTA
- 02nd May 2018 – CEO/ES of the IESL writes to the Secretary, MoDSIT requesting for a meeting with Hon. Minister Malik Samarawickrama to discuss about the clarifications received
- 03<sup>rd</sup> May 2018 - A delegation of IESL headed by the President holds a meeting with Hon. Minister Malik Samarawickrama about SLSFTA
- 09<sup>th</sup> May 2018 – Press Conference at the SLIA where President IESL and Officers speak to the media on IESL stand on the SLSFTA
- 18<sup>th</sup> May 2018 – A delegation of IESL headed by the President holds a meeting with Hon. Prime Minister about SLSFTA
- 21st May 2018 - President –IESL writes to the Secretary, MoDSIT stipulating some conditions to be followed at the meeting on ETCA Negotiations - Comments on Schedules of Engineering Services & Architectural Services
- 6th July 2018 - President –IESL sends a detailed report to Hon. Prime Minister in relation to the matters discussed at the meeting held on 18<sup>th</sup> May 2018 with him
- 16th August 2018- President, IESL receives a detailed letter from Hon. Minister Malik Samarawickrama as a reply to the concerns raised by the IESL and other Professional Bodies

- 24th August 2018 - President -IESL sends a letter to the Secretary of the Committee of Experts appointed by the His Excellency the President to Evaluate the SLSFTA, requesting for an appointment to Voice the Concerns of The IESL on SLSFTA
- 29th August 2018 - President - IESL submits a comprehensive report describing the meeting minutes, letters and other communications exchanged between the IESL and other stake holders
- 04th September 2108 - President, IESL and representatives of the IESL are summoned for a discussion by the Committee of Experts to Evaluate the SLSFTA

### **(3) Policy Forum**

Policy Forum was established to look into the Infrastructure and Industrial Policies of the Government in connection with Economic Development of Sri Lanka. Information pertaining to selected topics, were gathered at the discussions held with Core Groups and communicated to relevant government policy making bodies, by highlighting the issues and suggested corrective actions. At the same time, public awareness was created by publishing newspaper articles. Topics including, Water Supply & Sanitation, Power & Energy, Telecommunication & ICT, Roads, Railway & Transportation, Ports, Aviation and Irrigation & Water Resources Management have been identified for study and discussions.

Three topics had been addressed with respective Core Groups.

#### **(a) P1 Policy Forum- Government Circular on Establishment of Project Management Unit.**

Issues related to the MSD 2016/01 circular was the subject of discussion at the P1 forum and following key issues were highlighted.

- Project Director and project entity require flexibility in staff recruitment.
- Inconsistencies in salary scales among projects of different values make it difficult to retain staff in public projects
- No opportunities for fresh graduates and diplomates being absorbed, to work in development projects and hence deprived of vital exposure to major projects in Sri Lanka

The nature of these issues that aggravate with time, needs to be resolved with immediate effect to facilitate smooth implementation of projects and to meet full objectives of establishing Project Management Units. Ministry of Finance had been informed about the outcome of the meeting and a newspaper article was published.

#### **(b) P2 Policy Forum- Development of Sri Lanka Engineering Services for Economic and Social Development of the Country**

Issues related to Public Service Engineers were the subject of this forum and following key issues were among those highlighted by the participants, majority of them were representatives of Public Service Engineers.

- Re-structuring of Sri Lanka Engineering Services for current needs
- Retaining of qualified engineers with Sri Lanka Engineering Services

These core issues are among many other long-standing issues that made it difficult to deliver the services of Public Service Engineers for economic development of the country. Subsequent to the forum discussion, Ministry of Finance had been duly notified and a newspaper article was published.

#### **(c) P3 Policy Forum-Water Supply and Sanitation Sector Policy**

Issues related to the Water Supply and Sanitation Sector were the subjects of discussion at this forum and the following key issues were among several, highlighted by the participants of National Water Supply & Drainage Board, Irrigation Department and Road Development Authority.

- Necessity of cost recovery water tariff organizational sustainability
- Water sharing for different purpose including drinking water.
- Challenge of investment necessary for service expansions.

#### **(4) Radio and TV Programs**

“Engineers’ Hour” is a radio programme currently being broadcast over the SLBC Sinhala Commercial Service, since 25th August, 2018 as a public service, to help the general public to understand the basic concepts and good practices of engineering that are encountered in everyone's daily life, and also giving an opportunity to ask related questions from the panels of experts present during the program. Three episodes had already been aired.

Episode 1: IESL objectives of introducing "Engineers’ Hour" Social awareness radio program and career path, role and responsibility of the Engineering education, Engineering discipline and practice. Overview of the IESL accreditation and recognition for Engineering career and guidance to fulfillment of the professional qualifications (Presenters: Prof. Niranjani Ratnayake/ Eng.Tilak De Silva/ Eng. Arjuna Manamperi).

Episode 2: Three basic pillars in Engineering education: Secondary education, Vocational training /education and University education. The different paths and ways to the Engineering education and career development (presenters: Prof. T.M. Pallewatte/ Eng. Susantha Suraweera/ Eng. Arjuna Manamperi).

Episode 3: Construction Part 1 Fundamentals of the construction field, Basic requirements/ recommendations/surveys/reports/approvals under Civil Engineer/ Chartered Engineer for housing/building construction. Rules and regulations to general public for the urban construction and development, Further guidance and direction to general public by the IESL awareness programs (Presenters: Eng. Lalith Pallegama/ Eng. Anuja Mendis).

## **(5) Engineering Enterprise Boot Camp (EEB)**

The Engineering Entrepreneurship Boot-camp (EEB) was a first step of a long journey initiated by the Professional Affairs committee, in line with the Enterprise Sri Lanka programme initiated by the Ministry of Finance. The objective of the program is to encourage engineers to align with the vision of forming and creating more Entrepreneurs, as it is one of the key approaches to develop the country. Therefore, IESL has taken this initiative to produce more Engineering Entrepreneurs by providing ecosystem needed to form and create the sustainable business model to get funded to initiate the start-ups using the Enterprise Sri Lanka programme. Engineering Entrepreneurship Boot-Camp (EEB) is intended to provide knowledge and skills for Engineering Entrepreneurship. It will create leaders for tomorrow's high-tech ventures.

An awareness program was conducted on 12th September 2018 at Wimalasurendra Auditorium of the IESL for members who are interested in becoming Entrepreneurs. Representatives of Enterprise Sri Lanka Programme partners namely Bank of Ceylon, People's Bank, Commercial Bank and Regional Development Bank made presentations on the subject matter. 68 IESL members participated in the programme followed by a Q & A session, distribution of EEB guidelines, selection process, instructions for the Boot Camp and Applications to register the EEB.

A three day residential training and development programme will be held on 3rd, 4th and 5th November during which participants will be mentored by experts to develop entrepreneurial skills and strategies to develop sustainable business models. The knowledge sharing environment within a team will create the ecosystem for Entrepreneurial activities. EEB will facilitate teams to work continuously toward development of a business plans to obtain funds or loans from Enterprise Sri Lanka programme/ investors.

Compiled by Eng. (Prof) (Mrs) N. Ratnayake, Chairman-Professional Affairs Committee

## **REGISTRATION OF RESOURCE PERSONS (ELECTRICAL AND MECHANICAL) THROUGH DATA COLLECTION WEB POTAT**

The Membership Division maintains the list of Corporate Members who have been registered as Resource Persons for the Professional Review process, which includes eligibility checking of candidates, PR evaluation, evaluation of training organizations, volunteering as 'mentors' for junior engineers and other related activities. The numbers of such resource persons for the different disciplines are given in the table below:

This year Membership Division revised the Charter Resource Person panels list and was able to add new qualified Charter Panelists for Electrical and Mechanical disciplines by using Data Collection Web Portal (Survey Monkey), enabling our members willing to become panelists to register on it.

Discipline-wise distribution of Resource Persons registered as Professional Review Evaluation Panelists as at 15.09.2018.

Discipline	Number registered
Agriculture and Plantation	04
Building Services	05
Chemical	08
Civil	93
Computer	8
Electronic	26
Electrical	74
Marine	06
Mechanical	93
Mining	04
Others	06
Total	327

With the increasing number of Charter applications envisaged due to the current trends in output of engineers and expected increase in applications once the Engineering Council is operational, it is important to strengthen the resource person base of trained and experienced Professional Review Evaluators, particularly in the disciplines where the numbers are few.

## **ACTIONS TAKEN BY THE MEMBERSHIP COMMITTEE DURING 2017/18 SESSION**

### **Professional Review Rule Revisit and Hand book for Reviewers**

The PSMC committee had several special meetings during the session to remove anomalies and clarify unclear sections of PR Rules and some improvements and additions to PR Rules, and the final version was submitted to the Council for approval in this session. Final version of Handbook for reviewers was also submitted to the Council for approval. Both documents were approved by Council.

### **New Reinstatement Procedure**

The new Membership Reinstatement developed in the last session was implemented during the current session, from September 2018.

### **PR Examinations- Reverting to the twice an year PR Cycle**

This year the PR Cycle was reverted to two times per year, i.e. Feb/March PR Session and Aug/Sept PR Session for eligible Associate Members to apply for PR Evaluations. May/June and Nov/Dec PR Sessions were removed. Quality Improvement for the Charter awarding process is the main purpose for this.

This year chairperson and members of PSMC emphasized on the quality improvement for the charter awarding process. Several senior PSMC members of the different engineering disciplines were nominated to be members of the two-member panels for eligibility checking of charter applicants under the normal route amendments/improvements were also added to the eligibility checking form, so as to eliminate weak points in the Experience Reports at the time of receiving the applications.

Applications from chartered engineers of foreign professional bodies such as Engineering Council UK are considered under the Direct Route. The decision was taken that although these candidates do not need to become Associate members and remain Associate members of IESL for a minimum period of one year, their academic qualifications should be the same as those required to be eligible for Associate membership of IESL.

### **PR Engineer in Society “B” Paper Examination held in Colombo, Provincial Chapters and Qatar Chapter**

There are approximately 1400 Associate Members applying for the “B’ Paper Examination annually, and for the past few years the examination has been held in all Provincial chapters in the country. One member of the PSMC visits the Chapter examination center with the question papers and other material related to the examination, and remains in the examination hall throughout, as an Observer, while the Supervisors and Invigilators conduct the examination. This year (2017/2018), the B paper was held in

Qatar Chapter for the third time, at their request, as there are many Associate members working in Qatar. This session too PSMC decided to hold the exam at the Qatar chapter as there were 24 Associate Members who applied while working in Doha, Qatar. The examination was held simultaneously with the Sri Lankan examination (synchronizing the time by holding the exam at 10.00 a.m. in Sri Lanka and 7.30 a.m. in Doha, Qatar). 20 candidates appeared for PR “B” Paper Aug/Sept 2018 at Qatar Chapter. The examination was supervised by the Chairperson and secretary of the Qatar chapter, and the chairperson of PSMC, President Elect was the observer from Headquarters.

### **Preparation of Guidelines/Rules for Direct Route Membership Application and Mentor Route Applications (Comprehensive Design Project )**

PSMC members felt the need to strictly monitor the progress of candidates who are applying through these routes, as there is room for short-circuiting the PR process, the sub committee appointed by PSMC to study and prepare new guidelines for CDP process was completed and decided to include in the PR Rules as a new Rule.

Since there was no proper guideline for those who are with overseas Charter qualification to apply, a new guideline was prepared and finalized. This is also included in the New PR Rules.

### **Recognized Organizations**

With the new PR Rule revision it is strictly checked that the PR Candidate experience is recognized and countable for PR Eligibility, with respect to this matter now many of Organizations’ employing Graduate Engineers are seeking the IESL Recognition, PSMC also took a decision to contact all the Organizations of which recognition for training engineers for the Charter have already lapsed or about to lapse. Thus the list of Recognized Organizations has more than 100 organizations now, which is displayed in the IESL website too, categorized into the main disciplines.

### **The Limitation in Wild Apricot Data Base:**

The activities of the Membership division are affected by the limitation of 15,000 records of Member accounts capacity in the Wild Apricot Membership Management System. Student members are not included in the system. However, with the new Membership Management System being implemented, they will be included, and it is expected that the application processing etc. will be more efficient and effective, which will help to accelerate getting membership.

### **Induction and Graduation Ceremony**

The Induction and Graduation Ceremony was organized under the leadership of the PSMC and Membership Division mainly, with assistance from the Education Division.

The Induction Ceremony was held on 24<sup>th</sup> September 2018 at the Bandaranaike memorial International Conference Hall (BMICH) main Hall, and the Chief Guest and Keynote Speaker were Eng.(Prof.) Kapila

Perera Vice Chancellor University of Moratuwa and Eng. Clarence W De Silva, Professor of Mechanical University of British Columbia, Vancouver, Canada respectively.

This year 210 Candidates were elected as Chartered Engineers, out of which 185 candidates attended the Induction Ceremony.



(Reported by: Eng. Prof. T M Pallewatta, Chairman)

## **Library and Publications Committee**

1. The library and Publication committee (LP&C) had 11 meetings during the session 2017/2018.

### **2. E-Repository.**

IESL signed a contract with National Science Foundation (NSF) with the objective of establishing an E-Repository for IESL. Under this contract NSF scanned with Optical Character Recognition (OCR), IESL transactions, Newsletters, Journals, Annual Reports, Memorial Lectures Annual Sessions etc., altogether 37,942 A4 size pages. It is planned to upload all e-resources to the IESL E-Repository by the end of December 2018.

### **3. Library Resources Re-Organization Project.**

LP&C decided to inventorise all library resources in to the Library Management System (MIS-KOHA). Because MIS (KOHA) wasn't working properly, remote search facility was not working. This assignment was done by the library staff and work was completed on 12<sup>th</sup> June 2018. As a result, 6428 records of books are available in KOHA data base and Accession registry was updated and corrected. Now members could access library resources and manage "my library" remotely. Online facility is now available at 74.208.213.243.

During this assignment, all books were classified into three classes lending, permanent reference, and overnight reference. Following color codes were pasted on the spine of books for easy administration.

- (i) Lending Books – Green
- (ii) Permanent Reference Books – Red
- (iii) Overnight Reference Books – Yellow

### **4. Purchase of library resources, services and other facilities.**

(i) During this session 2017/2018, LP&C purchased, 16 EURO design standards, two electrical maintenance guidelines published by IET and two text books altogether worth of Rs. 199,004.00 LP&C had made arrangements to purchase selected hard copies and e-versions worth Rs. 200,000.00 at the International book exhibitions to be held from 21<sup>st</sup> – 30<sup>th</sup> September 2018.

(ii) Library user guide

For the first time, LP&C published the library user guide and this guide is now issued to all new members and to all others those who had taken library membership.

As at on 30<sup>th</sup> September 2018, IESL library membership strength had reached up to 6600.

## **5. Training of library staff.**

Further during the session 2017/2018, LP&C arranged following training programs for the library staff. All these programs were worth of Rs 38,000.00

- (a) Rights to information Act: The role and contribution of a librarian.
- (b) Open source library management software/ Digital Library Software – D Space.
- (c) Certificate course on “Public Librarianship”.
- (d) A workshop on “Research Methodology”.

## **6. Engineers’ Hour – Program**

During the session 2017/2018, LP&C organized following two Engineers’ Hour Programs.

- (a). Status of Predictability of weather conditions and vulnerability for climate related disasters – 29<sup>th</sup> June 2018. 29 members participated.
- (b) The impact of GDPR on software Security, held on 31<sup>st</sup> July 2018

## **7. Technical Paper Transactions – 112<sup>th</sup> Annual Sessions.**

For the last several years IESL had been using the free trial version of “Easy Chair” with limited functions, for managing the annual transactions. During this session LP&C purchased “Easy chair professional version” package for an all-inclusive price of Rs. 49,000.00. Hence from this year onwards annual transactions are being managed via our own package.

This year altogether 111 papers had been sent to referees and refereed papers are being dispatched to authors as at on 26<sup>th</sup> September 2018.

## **8. Technical Publications**

- (i) Following three publications are under preparation, and LP&C intends to complete printing by the end of this year (2018).
  - (a) Net metering by Eng. Shavindranath Fernando.
  - (b) Rural Road Engineering: Eng. Granie Jayalath.
  - (c) Sanitary Engineering by Eng. Dr. (Ms) B C L Atapattu.
- (ii) Publication of Book on “Energy Resources in Sri Lanka” by MESL.

LP&C made arrangements to get the publication reviewed by a special committee and committee observations were conveyed to respective authors to proceed accordingly.

## SECTIONAL COMMITTEES - 2017/2018

### **Agricultural & Plantation Engineering Sectional Committee**

The inaugural meeting of the Sectional committee for the session 2017/18 was held on 24th November 2017 at IESL headquarters, presided by Eng. T.M.R Dissanayake the Chairman of the Agricultural and Plantation Engineering Sectional Committee 2017/2018. All Committee members unanimously agreed to appoint Eng. (Ms). T.N Fernando as Secretary of the Agricultural and Plantation Engineering Sectional Committee for the session 2017/2018.

### **Meetings**

The sectional committee conducted eight committee meetings during the above session as follows.

No.	Date	Venue	Attendance
01	24.11.2017	IESL, Colombo	08 Members
02	23.01.2018	IESL, Colombo	08 Members
03	28.02.2018	IESL, Colombo	07 Members
04	29.03.2018	IESL, Colombo	07 Members
05	28.04.2018	IPHT, Anuradhapura	10 Members
06	03.06.2018	IESL, Colombo	07 Members
07	27.08.2018	IESL, Colombo	06 Members
08	27.09.2018	Government Factory, Sri Lanka	07 Members

### **The Following activities were carried out by the committee**

A.NO	Activity Description	Progress	Other Remarks
1	Remembrance lecture for Late Eng. Gamini Ranasinghe	Successfully completed jointly with the Institution of Mechanical Engineers (IMechE), UK, on 19th April 2018 at 5.15 p.m	
2	Arrange membership campaign through e-mail to attract engineers working in agriculture based institutions / companies as members of the section		
3	Offered the committee's support to prepare course and course material of Agricultural engineering degree program of OUSL and those graduated from OUSL as agricultural engineers	No response yet from the OUSL.	Therefore, committee decided to remove this activity from the list.

4	Recognition of Training Institutions for the purpose of Professional Review	<p>Committee decided to recommend the following four organizations to Professional Standard Management Committee for checking the adequacy of available training facilities for registering as a training organization in Agricultural and Plantation Engineering for the PR review free of charge at least for next five years.</p> <ol style="list-style-type: none"> <li>1. IPHT</li> <li>2. FMRC</li> <li>3. Milco Pvt. Ltd</li> <li>4. NERDC</li> </ol> <p>Committee decided to request the above four organizations to register with IESL as a Training organization for training Agricultural and Plantation Engineers</p>	
5	Facilitate discussion of issues regarding currently used SLQF standards for course development programmes in curriculum of some Universities	This is in progress	
6	Techno 2018 exhibition	This is in progress	Arrangements are being made to hold two stalls and two guest lectures
7	Industrial visits	Visited at Polonaruwa and on 27th and meeting was held at IPHT, Anuradhapura on 28th April 2018.	Committee members visited Rice Milling station at Deniyaya, Agricultural machine design and fitting company; Janaka Engineering works; at Polonaruwa and Milco (PVT) Company at Polonnaruwa on 27th April 2018.

## Industrial visit to Pollonnaruwa



Automationized Rice milling Unit at Deniyaya



Rice parboiling unit at Deniyaya



Polonnaruwa Milco (PVT)

(Reported by Eng. T.M.R. Dissanayake, Chairman)



### **Building Services Engineering Sectional Committee**



The inaugural meeting of the Building Services Engineering Sectional Committee (BSESC) was held on the 28th Nov. 2017 (Tuesday) for which fifty-six (56) members participated. The monthly BSESC meeting focused on 3 main areas,

1. Progress update by task leaders who are working on yearly activities
2. General discussion on the progress and way forward
3. A knowledge sharing presentation.

The monthly meeting of the year completed were conducted as per IESL calendar with large number of members participating.

Monthly Meeting	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.
No.of Participants	56	33	31	45	33	28	29	29	34	35

The committee members for the 2017/18 session were appointed by the house. This committee comprises of both senior and junior BSESC members who are working in the Building Services sector.

The road map for the year ahead and task leaders who undertook the responsibility to drive them are as below.

No.	BSESC Task	Task Leaders
1	Public Lectures/ Workshops	W.A.D.N. Indika
2	CPD Courses	Koojana Weerasinghe / Lakmal Isuru
3	Techno 2018	Thushara Pathirana / Dhanesh Subasinghe
4	Engineering Heritage Exploration	Priyan Bellana / Suran Fernando
6	Knowledge Sharing Sessions	Dilan Thilanga
7	Field Visits / Get-together	Priyan Bellana/ Thushara Pathirana
10	Charter Criteria Review	Samantha Gunawardana / Sanath Abeykoon / Chula de Silva
11	Training Place Recognition	Samantha Gunawardana / Pradeep Dankanda
12	Building Code	Samantha Gunawardana/ T. Uthayakumar
13	BSESC to Provincial Chapters	Samantha Gunawardana/ Kirthi Sri Senanayake
14	BSESC Publications / SLEN	D.U. Amarasinghe / Suran Fernando
15	CSR	Amila Dharmabandu / Danesh Subasinghe

### Knowledge Sharing Presentations

BSESC had the following knowledge sharing presentations during the session.

No.	Date	Topic	Resource Person
1	3rd of January	Chilled Water System Design	Eng. W.D.N. Indika
2	30th of January	Lightning Protection Systems	Eng. Thushara Gunawardana
3	27th of February	Protection from Indirect Lightning	Eng. Thushara Gunawardana
4	27th of March	Effective Communication through Organized Speeches	Eng. Nalin de Silva
5	28th April	How to prevent condensation forming on air terminals	Eng. Kolitha Warnasiri
6	26th June	Modern applications on chiller plant efficiency improvement	Eng. Suranga Lekamwasam
7	24th July	Impromptu Speaking	Eng. Jagath Lal Wickramasekara
8	28th August	Internet of Things	Eng. Keerthi Kodithuwakku

### Engineering Heritage Exploration

The project work related to the study of the micro water management systems in the ancient city, Anuradhapura is progressing with the contributions of the subcommittee members.

During this session the following tasks were carried out.

- 1) Development of a 2-D CAD drawing of the Ranmasu Uyana site & surrounding with the combination of several manual drawings (further development to a 3-D model using Revit software is in progress)
- 2) The official written approval for the activities at Ranmasu Uyana (eg. Land survey, levelling etc.) was received from Prof. P. Mandawala, Acting DG of Department of Archaeology on 2/5/18 after handing over the official request through IESL President.

- 3) Further studies on the literature survey on the engineering aspects of the design of the ancient micro water management systems in Sri Lanka
- 4) Carrying out a detailed level measurement at the Ranmasu Uyana pond complex and the surrounding by a two-day site visit to the Ranmasu Uyana on 14th & 15th of July.

### **Building Code**

IESL has appointed the Chairman of the BSESC to represent IESL at the steering committee of CIDA in the development of a Building Code for Sri Lanka. The objectives of the project, among others, included the development of regulations and design documents for use by the planners and engineers in order to improve the safety, security and health aspect of the existing and new building and to suggest construction practices to be introduced /enforced gradually in Sri Lanka.

During the year, several meetings were attended by IESL representatives and contributed to development of the process to be followed, identification of expert group, identification of stake holders for the development and debate on adaptation of a code, etc.

With the participation of all Sectional committees of IESL, the session conducted at the IESL by the BSESC Chairman, enlightened the engineers on the need of a code for the country and IESL contribution in it. The development of the code may take nearly 2 years and CIDA will facilitate the whole process by getting concurrence from respective ministries concerned.

### **BSESC CPD Courses**

IESL **CPD courses** on 'Design of Fire Detection & Protection Systems' and 'Plumbing Engineering' that are organized by BSESC has been successfully completed during the session.

The organizing work of the 'Energy Management' and 'Vertical Transportation' CPDs for this session is also now in progress.

### **BSESC Public Lectures**

BSESC has organized three public lectures during the session.

<b>No.</b>	<b>Topic</b>	<b>Resource Person</b>	<b>Date</b>
1	Massive Internet of Things – Opportunities & Challenges	Prof. Arumugam Nallanathan	26th January
2	Self-contradiction of Sustain –able Development	Eng. Kapila Peiris	8th March
3	The Shame of Grenfell Tower – The Fire and What Led to It	Dr. David Kirkham	26th July

## BSESC CSR Project

The BSESC CSR subcommittee has initiated a project to propose energy saving improvements for the Lady Ridgeway Hospital (LRH) for Children. With the findings and readings taken at the LRH, the subcommittee is now working on a proposal to introduce viable energy saving options that will eventually reduce the energy cost of the hospital. BSESC CSR subcommittee met the hospital director Dr.W.K. Wickramasinghe on 4/4/18 and got the official approval for the CSR project at LRH. The energy consumption information in the hospital has been received on 22/5/18. Team members had done some CAD drawings of the LRH main building with necessary MEP details. The study on the energy profile is in progress to propose energy saving initiatives to the hospital administration.

## Other BSESC Activities

- BSESC had given its inputs to IESL on the **revision of PR review rules** after carrying out a study by an appointed subcommittee
- BSESC handed over its recommendations to PA committee on the **revision of training organization review criteria and application.**
- BSESC is now reviewing the “IESL Guideline for Fee Structure for Engineering Consultancy Services” to propose any further revisions to the same.
- BSESC has updated the **Building Services Engineers’ Directory** during the session.
- BSESC has handed over a list of **books related to building services engineering sector** to the Library & Publications Committee.
- On 18/5/18 BSESC members had organised a **full day programme on ‘Montreal Protocol’** organized jointly with the Ministry of Mahaweli Development & Environment.



- BSESC **Techno** subcommittee had meetings on 5/6/18 and 2/8/18 with the participation of team leaders and other members to plan the Techno 2018 stall.
- On 9/6/18 BSESC officially took part in the '**Green Walk**' organized by the GBCSL in Colombo to make the public aware on the green practices.
- BSESC had a **successful field visit to the Kukuleganga hydroelectric power plant** on 5/5/18 with the participation of 28 BSESC members & their families.



- After the field visit BSESC had its **annual get together at the Kukuleganga Holiday Resort** (Hotel Laya Leisure) on 6/5/18.

Reported by,  
Eng. Samantha Gunawardana (Chairman-BSESC) and Eng. Suran Fernando (Secretary-BSESC)

## **Chemical and Process Engineering Sectional Committee**

The inaugural meeting of the Chemical and Process Engineering Sectional Committee (CPESC) for the session 2017/2018 was held on 21st November 2017 at IESL Head Quarters.

Chairman of the CPESC Eng. KGH Kodagoda presided over the meeting.  
Eng. ML Wickramasinghe was elected as the Secretary for the session 2017/2018.

### **1. Public Lectures**

Conducted on 23rd May 2018 on "Recent Industrial Accidents and Process Safety Management in Sri Lanka"

Second Public Lecture has been planned to be conducted in September 2018 on the topic of "Economics of Natural Gas for Power Generation in Sri Lanka."

### **2. Knowledge Sharing Sessions**

1. In November inaugural meeting "New developments in Waste Water Treatment " by Eng. Dananjaya Kuruppu
2. In January; "Potential International Markets for Activated Carbon, a Value Added Product " by Eng. ML Wickramasinghe at the 2nd Committee Meeting
3. In June "Why New Technologies are Required for Sri Lankan Petroleum Industry" by Eng. KGH Kodagoda 3rd Committee Meeting
4. In July " Why Government is interested in Waste Treatment using Delta Technology " by Eng. Prof. SAS Perera in 4th meeting

### **3. Committee Meetings - 04 Nos**

- 1st Meeting - Held in November 2017
- 2nd Meeting - Held in January 2018
- 3rd Meeting - Held in June 2018
- 4th Meeting - Held in July 2017
- 5th Meeting – To be held on 13th September 2018

### **TECHNO Exhibition :**

Planning has already been done for 2 Nos 10ft x 10ft stalls at TECHNO 2018 and planning activities are in progress.

(Reported by Eng. K G H Kodagoda, Chairman – CPESC)

## **Civil Engineering Sectional Committee**

The inaugural meeting of CESC 2017/2018 was held on 30.10.2017 at 17.30 Hrs. in IESL Headquarters. Newly elected Chairman, Eng. Lalith Pallegama presided over the meeting and warmly welcomed all the engineers who participated in the meeting and explained the schedule of work which he intended to implement.

30 nos Engineers were present at the meeting representing Fellow, Member and Associate categories.

The following Engineers were subsequently selected as main committee members for the session 2017/2018.

Eng. Lalith Pallegama – **Chairman** 2017/2018 session.

### **Co-Secretaries**

- i. Eng Chaminda Jayasinghe (Acting)
- ii. Eng. Mahesh Samanpriya

Eng. Chaminda Jayasinghe was appointed as the **Treasurer** of the session

In addition ten **numbers of sub committees** were formed to implement the CESC activities punctually and effectively. Following Members were selected to these sub committees:

#### **1. Field Trips (SCFT)**

Eng. Ananda de Silva - **Team Leader**

Eng.(Mrs). Renuka Gamage (DTL)

Eng.(Dr.) Sakura

Eng. Milinda Madusanka

#### **2. Annual Get-together (SCAG)**

Eng. H.W. Gunewardhane - **Team Leader**

Eng. Kolitha Katulanda

Eng. Minaz Musammil

Eng. Sanjaya Edirisinghe

#### **3. Public Lectures, Seminars and Workshops (SCPLSW)**

Eng. B.Harshana Bulathsinghale - **Team Leader**

Eng.Sanjaya Edirisinghe

Eng. D.S.B. Dissanayake

Eng. Maduranga Atthanayake

#### **4. Building Clinic (SCBC)**

Eng. Sajeeva Witaana - **Team leader**

Eng. Dr G.B Sakura (DTL)

Eng. Dr. D. A. H. Gunarathne

Eng. Nilan Herath (RMC)

Eng. Ananda Silva

Eng. Kaumadee Amaradiwakara

Eng. R. Sasitharan (RMC)

#### **5. Publication and Editorial (SCPE)**

Eng. T.M.R.G.M.B. Parakrama - **Team leader**

Eng. S. Seyanthan

Eng. G. Jathurschan

#### **6. Research, Development and innovation Committee (RDISC)**

Eng.(Dr) Thushara Priyadarshana - **Team Leader**

Eng. Nandana Amunuthuduwa (DTL)

Eng. R. Sasitharan (RMC)

Eng. Dr. Sakura

Eng . Ananda Silva

#### **7. CPD Committee**

Eng. Rohan Fernando - **Team Leader**

Eng. (Dr) D.A.H Gunarathne (RMC)

Eng. Y Dilrooban (RMC)

#### **8. Community Projects (SCCP)**

Eng. J.M.Chandradasa - **Team Leader**

Eng. Kelum weerawardana – (DTL)

Eng. Mrs. kaumadee Amaradiwakara

Eng. Dilan Rayen

#### **9. TECHNO –Seminar Room (SCSR)**

Eng. Dilan Rayen - **Team Leader**

Eng. Sajeeva Witaana (DTL)

#### **10. TECHNO- Stall (SCTS)**

Eng. H.Z.H.Hussain - **Team Leader**

Eng. Y. Dilrooban (RMC)

Eng. T. Hasantha Kodithuwakku (RMC)

Eng. D.S.B. Dissanayake

Eng . Y Dilrooban

Eng.(Miss) D.D. Samaraweera

Eng. S.K Sanjaya

Note : **DTL** – Deputy Team Leader, **RMC**- Representative Member from Main Committee

#### **Activities:**

A series of activities were organized by CESC with the assistance of relevant subcommittees as follows. They were technically and academically valuable, attractive and topical in nature.

#### **Public Lectures seminars and workshops**

CESC organized public lecturers regularly, on a monthly basis. They were conducted by prominent lecturers who have vast knowledge about the subject. Attendances for those lectures were very high

and participants were able to get firm knowledge about the field. The subcommittee has selected topics for them to suitably cover technically, academically, historically and environmentally important areas so that the participants appreciated them very much.

#### **Workshops/ Seminars:**

1. *“Design and construction aspects of UMA OYA Multipurpose Development Project” Conducted the seminar with Project Manager, Design Team and Construction Team of the project on December 12th 2017 at Wimalasurendra auditorium at IESL Headquarters.*
2. *Introduction and Application of Euro Code for Engineers” Conducted the seminar by Prof. Priyan Dias and Dr. Kasun Wijewardane on May 22nd, 2018, Wimalasurendra Auditorium, at IESL Head Quarters.*
3. *Joint Technical Seminars with Hong Kong Institution of Engineers and IESL On July 23rd 2018 at Members Lounge, IESL Headquarters.*

#### **Public Lectures:**

1. *“Port city Development Project and its impact” By Eng. (Dr.) G.P. Karunaratne on December 12th, 2017 at IESL H. Q.*
2. *“Enhancement of the Efficiency of FRP systems in strengthening concrete Bridges and Buildings” - By Dr. Riadh Al Mahaidi on December 11th 2017 at IESL H. Q.*
3. *“Recent Technology Development Trends in Japanese Construction Industry” By Dr. Kenichi Horikosh on January 29th 2018 at IESL H.Q.*
4. *“Technology of our Ancient Stupa and their Rehabilitation” By Eng. (Prof.) Munidasa P. Ranaweera on February 14th 2018 at IESL H. Q.*

#### **Memorial Lectures:**

1. Prof. E. O. E. Pereira Memorial Lecture : “Water Resources and Hydrological Forecasting” By Eng. Palitha Manchanayake on September 17th 2018 at Wimalasurendra Auditorium IESL
- 2). Eng. (Dr.) A. N. S. Kulasinghe Memorial lecture. Scheduled for October 26th 2018

#### **Field Trips:**

The CESC, through its subcommittee, had organized this year valuable field trips which gave good knowledge of industry, covering factories, major projects and plants. Engineers who participated in those field trips were able to get very good knowledge about feasibility, construction methods and tactics, defects and technology behind them. Selections of visit sites by the sub committee were attractive for the practicing Engineers and therefore participation was very high.

1. Climbing Lotus tower- on January 14th, 2018
2. Visiting Ceylon Steel Corporation -on February 17th, 2018
3. Visiting Port city project - on March 24th, 2018
4. Visiting Altair project - on June 16th, 2018
5. Greater Kurunegala Water Treatment and Sewage Treatment plant visit - on July 21st, 2018
6. Visiting Southern Railway Extension Project- on August 18th, 2018
7. Visiting Melwa steel manufacturing Factory - on August 28th, 2018

## Building Clinic:

### 1) Building Clinic 1

Our 1st Building Clinic was held at Bandarawela Dharmapala Vidyalaya on May 05th 2018.

This building clinic was conducted specially on the request of the Disaster Management Center to help victims of Uma Oya project. Structural, geotechnical, water supply, sewerage and electrical problems of the residents were discussed and participation of public was very encouraging.



### 2) Building Clinic 2

The 2nd Building Clinic was organized at the TECHNO EXHIBITION in October, at the BMICH.

Here it is expected to discuss all issues of the public related to their housing and other constructions too. Considerable number of spectators at the exhibition are expected to participate and get their matters clarified at the clinic, similar to previous years.



In this session too, the CESC had organized a CSR project to supply Drinking Water to KUDUMBIGALA SENASANAYA in Eastern Province. THE Buddhist Monks who have been meditating there and devotees going for Almsgiving had heavily suffered due to lack of drinking water. Therefore CESC decided to provide drinking water for them with the support of SL NAVY by improving purification facilities at the premises.

#### **Awurudu Uthsawaya :**



CESC organized the Sinhala and Hindu AWURUDU Uthsawaya named “IESL SOORYA MANGALYA” on April 28th 2018, at Apegama premises, Baththaramulla. More than 300 participants consisted of our members and their family gathered there to make the event a big success, enjoying with harmony, brotherhood, and group feelings among them.

#### **Annual Get-together**

“Meemurai” is a unique country location in our motherland to visit. Therefore CESC decided to hold our annual get together at “Meemurai” Camp Site this year. Engineers and family members spent a whole night together having a marvelous time and fun and relaxation through campfire, musical evening and funny games organized by the sub-committee. By organizing this great event it was able to promote feelings of brotherhood among our Engineering families.

#### **Techno Stall**

This year the Techno stall of Civil Engineers is being well organized to be in line with the theme. The subcommittee had organized it in such a way to give a sound knowledge to public about Green concept of engineering with attractive posters, samples and prototype models. Members of committee will be manning the stall throughout the exhibition to explain to the public about the green concepts.

#### **Techno Seminar Room**

This year too, the seminar room of TECHNO Exhibition is organized by the CESC. The subcommittee members have carefully selected the topics of lectures for their relevance and prominent lecturers to conduct them. Therefore it will be attractive to the public and provide good knowledge too. It has been organized with several conversational debates about construction issues and impacts of major projects and policies of the country to extract true facts behind them.

## **Research, Development and Innovation**

The sub-committee prepared a Research Proposal to study about CEMENT AND CONCRETE. It expects to get lab facilities from NBRO and University of Moratuwa and financial support from Cement companies for this. The sub-committee is hoping to give participants the chance of a foreign field trip to Indian cement factories. Finally it hopes to produce research papers for annual sessions of IESL.

## **Proposals for CPD courses**

Proposals to arrange CPD courses related to Water Treatment, Wastewater Re-use, Procurement Management and Dispute handling in contracts were prepared by subcommittee members and handed over to the Main committee.

## **Publications and Editorials**

The subcommittee produced the following publications on behalf of CESC. They were prepared to acknowledge the activities of CESC and give proper knowledge about engineering aspects of events.

1. Vision and Expectations of CESC Plan in 2018
2. Design and Construction Aspects of “ULIA OYA” Multipurpose Development Project
3. Standard Engineering Practice of “JETHU WANARAMAYA”
4. Coldness is Not a Barrier For CESC
5. Chasing the Targets

The article nos. 1, 4 and 5 were published in SLEN.

(Reported by Eng. L N Pallegama, Chairman, Civil Engineering Sectional Committee)

### **Electrical, Electronic & Telecommunication Engineering Sectional Committee**

The Electrical and Electronics Engineering was reconstituted as Electrical, Electronic & Telecommunication Engineering Sectional Committee as per By-Law revision adopted at the Annual General Meeting of the IESL held on 28 October 2017.

The Electrical Electronics and Telecommunication Engineering Sectional Committee chaired by Eng PCC Perera, supported the Council through successfully engaging in several special assignments apart from its regular events. Details of the activities conducted by the EE&TESC are as follows.

#### **1.0 The inaugural meeting of Electrical Electronics and Telecommunication Engineering Sectional Committee for the year 2017/2018.**

The inaugural meeting of the Electrical and Electronic Engineering Sectional Committee was held on 17th November 2018 at 5.15 p.m at the Institution, under the chairmanship of Eng. Chulani Perera.

Eng. LRJ De Silva was selected as the secretary for the session unanimously

Following subcommittees were appointed for the session.

- a. Subcommittee for Memorial Lectures
- b. Subcommittee for Techno 2018
- c. Subcommittee for Public Lectures and Short Seminars
- d. Subcommittee for field visits
- e. Subcommittee for Foreign visits
- f. Subcommittee for Preparation of data base for commercial high rise buildings
- g. Subcommittee for Testing Program for old electrical installations
- h. Subcommittee for Preparation of Electricians' Manual

#### **2.0 Activities Conducted by the Electrical Electronics and Telecommunication Engineering Sectional Committee (EE&TESC) for the session 2016/2017.**

Following activities were conducted by the EE&TESC.

- a. EE&TESC meetings and subcommittee meetings. Altogether 11 monthly meetings and 3 subcommittee meetings were held during the session.
- b. Memorial Lectures. Following memorial Lectures were conducted by EETESC.
  - i. Eng. (Prof) RH Paul Memorial Lecture. 37th Memorial oration of late Eng. (Prof) RH Paul was held on 09th February 2018 at 17:15 hrs at Eng. DJ Wimalasurendra Auditorium of IESL Head office (In memory of 114th Birthday). Eng. (Prof) Prinath Dias of University of Moratuwa delivered the lecture on the topic 'Global Warming; Are advanced Nuclear Reactors a Possible solution?'. A note booklet was distributed among the participants in memory of Eng. (Prof) RH Paul.
  - ii. Eng. DJ Wimalasurendra Memorial Lecture. 29th Memorial oration of late Eng. DJ Wimalasurendra was held on 17th September 2018 (In memory of his 144rd Birthday on 17th September 2018) at 17:15 hrs at Eng. DJ Wimalasurendra Auditorium of IESL Head office. Eng Mahendra Jayalath, Energy consultant and former DGM of CEB delivered the lecture on the topic 'A new perspective for environmentally sustainable buildings and certification in developing countries'

- c. Public Lectures and Short Seminars. Following 7 public lectures and 2 short seminars (for the committee members) were organized by the EEESC in this session.
- i. 16th January 2018. Eng (Dr) Wijekoon and Eng Samarasekara of Ceylon Electricity Board on 'Present status and future planning of Sri Lankan power system'.
  - ii. 3rd April 2018. Eng. (Dr) Asanka Rodrigo on 'Earthing facts and Myths'.
  - iii. 5th April 2018. Eng. (Dr.) Lal Jayamaha on 'Energy Efficiency of Data Centres.'
  - iv. 12th June 2018. Short seminar on 'Low Voltage Directives' by Eng. T Uthayakumar at the committee meeting.
  - v. 12st July 2018. Dr Ajith Weerasinghe on 'A Possible path to install GW level PV+storage in Sri Lanka by 2015'.
- c. Field Visits. Following field visits were organized by EE&TESC.
- i. ACL Cables, Piliyandala. 30 engineers participated in the half day field visit on Tuesday 09th December 2018. Nominal fee, Rs 750.00 was charged from the registered engineers.



- ii. Kerawalapitiya Combined Cycle Power Plant. 27 engineers participated in the half day field visit on Saturday 05th May 2018. Nominal fee, Rs 500.00 was charged from the participants.



- iii. Lotus Tower Colombo. 10 Electrical engineers participated in this field visit from the EEESC, half day on 08th June 2018.



- iv. Dialog TV Receiving Station Malabe. 26 Electrical engineers participated in this field visit from the EEESC, half day on 30 August 201. Nominal fee, Rs 500.00 was charged from the participants.



- f. Foreign Visit. EE&TESC has planned a foreign tour to Dubai at the end of April for three nights/four days. The plan was cancelled due to non-availability of participants.
- g. Social events. EE&TESC has participated for the following social events organized by the IESL.
- i. New Year Celebrations 2018. EE&TESC members participated for the New Year Celebrations 2018 at Battaramulla 'Ape Gama' premises.
  - ii. National Engineering Conference 2018. EE&TESC members participated for the National Engineering Conference 2018 held at Mawathagama.
  - iii. Engineers' Night 2018. EEESC members are participated for the Engineers Night 2018.

#### 4.0 Achievement at Techno 2017 Exhibition

- a. Eng Roshan De Silva and Eng Sampath Kumara Pathiranaarachchi have conducted presentations on 'Are you aware of the facts behind Lightning' and 'Introduction of IPTV receivers' respectively at the IESL seminar room on behalf of EEESC.
- b. Electrical Electronics Engineering Sectional Committee secured the Silver Award among the Sectional Committees for the Best Stall Arrangement in Techno 2017 exhibition at BMICH.



(Reported by : Eng. P C C Perera – Chairman)

## **IT & Computer Engineering Sectional Committee**

The sectional committee held 12 monthly meetings from November 2017 to October 2018 on every 2nd Monday of the month.

To support the key activities of IESL Council in upgrading and streamlining member services and policy implementations, the IT & Computer Engineering Sectional Committee contributed in following areas:

1. Formulation of Training Establishments Evaluation Guidelines for Computer Engineering training
2. Formulation of guidelines specific to Computer Engineering specialization for Professional Review Process
3. Preparation of a working paper on responding to emerging needs of computer engineering professionals due to activation of the Engineering Council of Sri Lanka (ECSL) Act.

To popularize and promote engineering among the general public, school children and the university undergraduates, the IT & Computer Engineering Sectional Committee organized 3 competitions: RoboGames, IDEA Challenge and SLIoT Challenge during the session 2017/2018.

The IDEA Challenge mobile app software development competition was conducted at a national level with participation of the school children and university undergraduates. The competition organization was supported by the Department of Computer Science & Engineering (CSE) of the University of Moratuwa with an online e-learning course for mobile app development.

The IDEA challenge in 2018, “Preventing Dengue” required the students to develop Android mobile applications that promote awareness of Dengue and taking of measures to prevent its occurrence (for example, keeping track of where garbage piles up or stagnant water is present) and spreading (for example, by informing where infections are happening).

The RoboGames robotics platform development competition was conducted at a national level with participation of the school children and university undergraduates. The competition organization was supported by the Integrated Computer Engineering (ICE) stream undergraduates of the University of Moratuwa with several workshops on robotics and embedded systems.

The RoboGames 2018 University Challenge required the undergraduate students to model a four legged Robot which can follow a line and also follow directions at a junction with robot navigation done autonomously. The corresponding challenge for school students were to model a worm or a snake type Robot which can follow a line with robot navigation done autonomously.

The Sri Lanka Internet of Things (SLIoT) Challenge competition is the first national level IoT competition intended to develop the engineering skills required for this emerging technology area. The main sponsor for the event is the national telecommunication service provide SLT. The SLIoT Challenge 2018 is the second year in which the competition is being held.

The sectional committee also conducted several public lectures, technical seminars and workshops for the benefit of young engineering students as well as practicing engineers to enhance their know-how and update them with latest innovations in the industry.

1. A public lecture was given by Prof Karu Esselle of Macquarie University, Sydney, Australia on the topic of “Advanced Antenna Designs and use in Emerging Applications” including embedding inside a human body on 19 December 2017.
2. A public lecture by Prof Saman Amarasinghe of MIT Computer Science and Artificial Intelligence Lab on “MIT Computer Science: Inventing the Future” was held on 22 January 2018.

3. A public lecture on the topic “Natural Language Processing (NLP) in India” was conducted by Dr M Anand Kumar, Assistant Professor at the Center for Computational Engg & Networking, Amrita Vishwa Vidyapeetham, Coimbatore, India on 08 January 2018.
4. The IT & Computer Engineering Sectional Committee conducted a membership drive and an information session at N\*Able Private Limited main office in Fort on 22 March 2018.
5. A seminar on “Image Forensics and Security Analysis” was conducted at the Faculty of Engineering, University of Ruhuna in Galle on 13 June 2018 by Eng Kasun Chathuranga and Eng Dr Chandana Gamage.
6. A Workshop on “Digital Forensic Analytic Techniques” was conducted at the Faculty of Engineering, University of Jaffna in Kilinochchi on 21 July 2018 with sponsorship from TechCERT.
7. A talk at The Engineers’ Hour on the topic of “Impact of GDPR on Software Security” followed by a panel discussion was conducted by Mr Asanga Wanniarachchi, Eng Dileepa Lathsara and Eng Dr Shantha Fernando on 31 July 2018.

Every year, the sectional committee makes a significant contribution to the IESL Techno exhibition by organizing competitions in addition to operating an engaging sectional committee stall on innovations and entrepreneurship in the areas of IT and computer engineering.

(Reported by : Eng (Lt Col) Dr. Chandana Gamage – Chairman)

## **Mechanical Engineering Sectional Committee**

Our Gratitude – MESC appreciates the contributions by all the committee members, other volunteers, our partners – including state universities, IESL Provincial Chapters, IESL Secretariat, IT Team, Digital SLEN Team, Techno 2018 Team, Council and President.

Committee Composition – The inaugural meeting of MESC for the session 2017/2018 was on 15th November, 2018 chaired by Eng. Asela Pathirathna. Thirty three (33) members volunteered to assist the chair during the session. However, during the session, due to various circumstances some of them were not able to attend regular monthly committee meetings (scheduled for every second Wednesday). MESC expects 50% or better attendance record.

Meeting Agenda: Meetings started on time and finished on time. Beginning of every meeting, chair updates the house about special initiatives taking place within IESL as these activities primarily constitutes to make a responsible engineer for the society. The pre-arranged agenda items are taken one by one afterwards. Any other matters were discussed during discussion time and those are further continued to happy hour after the meeting.

Communication and promoting: The committee utilized social media tools such as WhatsApp, twitter, etc., extensively for collaboration and team work. All the meetings and events information are sent through IESL membership management system to reach all concerned members for proper communication.

### **CSR Project**

Team Leaders: Eng. Parakrama Jayasighe, Eng. Lasantha Ekanayake, Eng. Rantharu Attanayaka

Mechanical Engineering sectional committee is working to promote rainwater harvesting and pot irrigation system as CSR projects of this year. Many parts of the dry zone suffer from periodic draughts which affect the perennial crops such as fruit trees and also prevent the growing of vegetables during the dry season, unless a ready source of surface water is available. However in many households the possibility exists of harvesting rainwater during the rainy season and many examples are available, where large Ferro-cement rainwater tanks have been built to which the roof gutters are directed. While this capacity may not be adequate for a long drought period, using conventional irrigation methods, if a more efficient use of the water is possible, the crops may survive till the next rainy season. The pot (or pitcher) irrigation is one of the best techniques which can treat plants effectively with higher utilization of water. Here, the buried, unglazed, porous clay pots filled with water will be used to provide controlled irrigation to plants as a method of the most efficient traditional system of irrigation known and is well suited for small farmers in many areas of the world.

During the session 2017/2018, a rainwater harvesting and pot irrigation system was designed and proposed to be installed at Makalegama Junior School. This will be a CSR pilot run project with a main objective of promoting the rainwater harvesting and pot irrigation system among people while introducing a low cost and effective rain water harvesting system. Moreover, the said school will be directly benefited by this project as they are in real need of cultivating trees in their school premises.

The Makalegama Junior School is located in a remote area of the dry zone close to Galgamuwa in North Western Province. Around 270 students from grade 1 to grade 11 are getting education from this school with minimum facilities. The school premises is spread in an area more than 7 acres, with lots of bare land spaces.

## Industrial Visits

Team Leaders: Eng. Asela Abyewadana, Eng. Kithsiri Egodawatta

### Visit to Sevanagala Sugar Factory

Visit to Sevanagala Sugar Factory in Embilipitiya was organized on 19th December 2017. A group of 22 members participated in this event. This visit was organized during the annual maintenance period of the sugar factory and thus the members got a great opportunity to get an exposure to the details of the sugar manufacturing technology and bagasse based power generation technology by witnessing the dismantled machineries and equipment which are only visible during this maintenance period.



### Visit to 10 MW Solar PV Power plant, Hambanthota

SAGA SOLAR 10 MW Solar PV power plant is the first utility scale ground mounted solar power project in Sri Lanka. The visit was organized on 19th August and 22 members participated in the event. The 10 MW Solar plant has been built on 45 acres of land with 48,000 high quality multi crystalline solar panels installed in the structures according to the GROUND MOUNTED FIXED TILT (GMFT) style. After Energizing, the plant can now supply approximately 20GWh, which will be sufficient to provide the annual electricity needs of 15,000 typical Sri Lankan homes.



### Visit to Yugadanavi 300 MW Combined Cycle Power Plant

Visit to Yugadanavi Power Plant at Kerawalapitiya, was arranged on 30th January 2018. A group of 28 members participated in this event. Main focus of this visit is to gain exposure to the combined cycle power generation and to get knowledge on HFO based Gas Turbine operations. Yugadanavi 300 MW Combined Cycle Power Plant was a landmark project in Sri Lanka which started its commercial operation on 2008 as a Simple Cycle Power Plant while converted into Combined Cycle in 2010. It consists of two GE frame 9E gas turbines and one GE SC5 steam turbine.

### Visit to Sapugaskanda Oil Refinery, Ceylon Petroleum Corporation.

Visit was organized on 6th March 2018 and a group of 18 members participated to this event. This visit was organized during the maintenance period of the refinery which is carried out after 3 years. Hence, this was a great opportunity for all who participated in the visit as they could get an exposure to the oil refining technology by witnessing the dismantled machineries and equipment.



### Visit to Ceylon Tobacco Company, Colombo.

The visit was organized on 25th May 2018 and 14 members participated in this event. Ceylon Tobacco Company PLC (CTC) is a member of British American Tobacco, one of the world's most international businesses. Participants got a chance to witness the modern automated manufacturing technologies.

### **Visit to Ansell Lanka, Biyagama EPZ.**

The visit was organized on 16th August and 28 engineers participated in the event. Ansell is a global leader in protection solutions. Ansell designs, develops and manufactures a wide range of hand and arm protection solutions, clothing and condoms. Industrial workers, healthcare professionals and patients, and consumers around the world invariably associate Ansell with premium quality, optimal protection and superior comfort. Ansell Lanka (Pvt) Ltd.

### **Techno 2018**

Team Leader: Eng. Kamal Wimalaratne,

MESC represented Techno 2017 with several key engineering and social aspects. Eng. Mahesh Dharmasena led the MESC Techno 2017 team which won the Bronze medal. MESC is working hard for Techno 2018 under the leadership of Eng. Kamal Wimalaratne.

### **Public Lectures at IESL**

Team Leader: Eng. Randika Amarasuriya

#### **“Rampala Memorial Lecture”**

The IESL commemorated the 107th birth anniversary of the Late Eng. B.D.Rampala at the Wimalasurendra auditorium of its Headquarters on Tuesday, 14th November, 2017 in the presence of a large audience comprised of Council members, Past Presidents, family members of Eng. B D Rampala, engineers of Sri Railways and general membership of the IESL. The memorial oration, delivered by Eng. Dhammika Jayasundara, from Sri Lanka Railways was on the theme “Another Golden Era for Sri Lanka Railways” Eng. Dhammika Jayasundara who delivered the oration is the Head of Signal Sub Department of Sri Lanka Railways and has seventeen years of experience in Sri Lanka Railways.



#### **“How Artificial Intelligence would change the world”**

The first Public Lecture for year 2018 was successfully held at the Wimalasurendra Auditorium of Institute of Engineers Sri Lanka from 5.30 pm onwards on 12th January 2018. The resource person was Dr. Sachinthaka Abhayawadhana. ,Sachinthaka who completed his PhD in Bayesian Machine Learning. He is the author of DeepSchool.io, an open source and free framework for teaching Deep Learning to software engineers.



#### **“Soft Robotics: future of robotics technology?”**

The second Public Lecture for year 2018 was “Soft Robotics: future of robotics technology?” on 12th March 2018. The resource person was Dr. Damith Chathuranga who graduated from the Moratuwa University with an undergraduate degree in Mechanical Engineering and completed his master’s and PhD in Mechanical Engineering Specialized in Robotics from Ritsumeikan University, Japan.



#### **“Legacy of a transport project - How engineers could contribute to develop a nation?”**

Third Public Lecture for year 2018 organized in collaboration with Civil Engineering Sectional Committee on “Legacy of a transport project- How engineers could



contribute to develop a nation?” was on 26th March 2018. The resource person was Eng. Sudath Amaratunga (BSc,Eng. MBA, MIE, C.Eng), who is a member of the Australian Senior Public Service with valuable experience in Major construction, Infrastructure development and Business operations and Management.

#### **“Art of problem solving with lean six sigma concepts”**

Next Public Lecture organized in collaboration with IMechE Sri Lanka Group on “Art of problem solving with lean six sigma concepts” was successfully held on 29th March 2018. The resource person was Thirakaran Mahalingam who is a Chartered Mechanical Engineer and Certified Lean Six Sigma Black Belt in profession. He has completed his Masters in Industrial Automation from University of Moratuwa and B.Sc. in Mechanical and Manufacturing Engineering from University of Ruhuna.



#### **“Nano-technology to Nano-engineering; where less may be more”**

Next Public Lecture organized in collaboration with Section C of Sri Lanka Association for the Advancement of Science (SLAAS) on “Nano-technology to Nano-engineering; where less may be more” was successfully held on 25th April 2018. The resource person was Dr. Nadeesh Adassooriya who has completed his B.Sc. Honours in Chemistry at University of Sri Jayewardenepura in 2009 followed by an MSc Research Degree in Chemical and Process Engineering at University of Moratuwa and an M.Phil in Materials Chemistry at University of Cambridge, UK. He obtained his PhD in Engineering (Materials) also from University of Cambridge, UK in 2017.



#### **“Unleashing the potential of people”**

The Public Lecture organized on “Unleashing the potential of people” was successfully held on 24th May 2018. The resource person was Eng. Sapumal Thibbotuwawa who is a Mechanical Engineering graduate from University of Moratuwa and was the National Talent Management Director of AIESEC in Sri Lanka. He was also part of the Global People Development Task Force coaching Taiwan, Australia, Korea and Romania on global talent development initiatives.



#### **“Photography - a modern day meditation”**

“Photography - a modern day meditation” was successfully held on 14th June 2018. The resource person was Eng. Nishantha Manjula (BSc Eng Hons, LEED AP, GREENSL AP, Adv. Dip Mgt. Acc. CIMA-UK, ARPS, AFIAP) who has completed his B.Sc. (Hons) in Mechanical Engineering at University of Moratuwa in 20009. He started his career in leading ESD Company in Sri Lanka as a Green Building certification expert. In 2012 he got interested in Photography as a hobby and started spending his spare time on learning about the subject and travelling around Sri Lanka.



#### **“How to make best out of IoT”**

“How to make best out of IoT” was successfully held on 23rd July 2018. The resource person was Dr. Manodha Gamage who is the Founder and Managing Director of Intelligent Solutions and Consultancy (Pvt.) Ltd, a company that provides Training & Consultancy in ICT/Telecommunications and ICT Solutions. Manodha received B.Sc. Eng. in Electronics and Telecommunications from University of Moratuwa with Honours



in 1998. He received his MSc and PhD in Information Communication & Network Engineering from University of Electro-Communications in Tokyo, Japan. He was also a visiting lecturer at the same university from year 2000 to 2005.

### **“Curiosity, Creativity & Consciousness towards Citizen Centered Engineering”**

The latest edition of the Public Lecture organized by the Mechanical Engineering Sectional Committee of IESL on “Curiosity, Creativity & Consciousness towards Citizen Centered Engineering” was successfully held at the Wimalasurendra Auditorium of Institution of Engineers Sri Lanka on 14th August 2018 featuring Mr. Peter D’Almeida, the Managing Director and Chief Executive of N-Able Private Limited. Mr. Peter spoke around how a curious mind leads to consciousness of greater issues which generates creative solutions that are rooted in sustainable & socially responsible approaches to the biggest problems we face as a society.



### **The Project 30**

The project 30 was initiated in order to increase the number of recognized training places for the Mechanical Engineers. Currently there are 14 numbers of recognized training institutes and at the end of the project it is expected to increase the number to 30.



### **Certificate award ceremony**

Certificates were awarded to the devoted Mechanical Engineering Sectional Committee (MESC) members as recognition for dedicating their valuable time and contributing in MECS activities throughout year 2016/2017. The awarding of the certificate was held on 9th May 2018 at IESL during the MESC meeting and the committee members obtained their certificates from Eng. Arjuna Manamperi, former Chairman of MESC.

### **MESC on Public Media**

MESC Secretary Eng. Gayanath Rathnayaka represented MESC in “Roba Eve” live program on TV1 channel two times (30 min each) to discuss “correct approach for vehicle maintenance” targeting general public. MESC is keen on streamlining Sri Lankan vehicle maintenance sector having understood that it was spoiled by business mafia ruining all technical, environmental and sustainable aspects.



### **Provide Support for Ensuring Industrial Safety in Sri Lanka**

MESC got involved in expediting restructuring of engineering carder in department of labor. Industrial safety unit of Labor department is having huge gaps in engineering carder as Factory inspectors and this is a major national issue in the aspect of safety and health of productive workforce in the country. In 1950, there were 31 engineers for 1,353 factories (factory labor force - 102,000). As at 2017, there are 28,854 factories (factory labor force – 8,400,000) but still there are only 31 engineers to cover all those. Informative letters to the HE. President of Sri Lanka, Prime minister and all relevant authorities were already issued by IESL.

### **National Engineering Conference 2018**

MESC member Eng. Ganesh Dahanayake delivered a lecture on “Ancient Technologies of Metallurgy (Iron & Steel) and their contribution to National Development” at the National Engineering Conference 2018 at Mawathagama.

(Reported by Eng. R K A G Rathnayaka, Secretary)

## PROVINCIAL CHAPTERS - 2017 / 2018

### IESL Eastern Chapter

#### **1. 19<sup>th</sup> Annual General Meeting of IESL- Eastern Chapter & Selection of Committee Members**

The 19<sup>th</sup> AGM of the IESL-Eastern Chapter was held on **25<sup>th</sup> November 2017 at 5.00 p.m at the JKAB Park Hotel, Trincomalee** under the Chairmanship of Eng.S. Jayanthan, Chairman IESL Eastern Centre. Eng. (Prof.) Mrs.Niranjane Ratnayake, President, IESL was the Chief Guest, Eng. Jayavilal Meegoda, Immediate Past President, IESL was the Special Guest and Eng.M.A. Francis, Consultant Engineer was the Guest of Honour at this Annual General Meeting.



**a. The following members were appointed for District Committees**

**• Committee members for Ampara District Centre**

S.N	Post	Name of Selected Candidate
1	Co-Chairman	Eng.M.M.M.Mubaraq
2	Co-Secretary	Eng.T.Sivasubramaniam
3	Co-Treasurer	Eng.G.Arrun
4	Committee Member 01	Eng.M.Thivaskar
5	Committee Member 02	Eng.A.G.Shamilshabry
6	Committee Member 03	Eng.Haroos Mohamed
7	Committee Member 04	Eng.M.I.A.Sajeer
8	Committee Member 05	Eng.S.L.A.Thajeeth



**• Committee members for Batticaloa District Centre**

S.N	Post	Name of Selected Candidate
1	Co-Chairman	Eng.M.Ramasuntharam
2	Co-Secretary	Eng.V.Thusyanthan
3	Co-Treasurer	Eng.A.Kumarendiran
4	Committee Member 01	Eng.A.S.M.Irsath
5	Committee Member 02	Eng.S.J.Parthasarathy
6	Committee Member 03	Eng.I.Kandeepan
7	Committee Member 04	Eng.U.Mauran
8	Committee Member 05	Eng.T.Suman
9	Committee Member 06	Eng.Y.Dilrooban



**• Committee members for Trincomalee District Centre**

S.N	Post	Name of Selected Candidate
1	Co-Chairman	Eng.(Mrs).P.K.Jesudasan
2	Co-Secretary	Eng.A.Sivatheepan
3	Co-Treasurer	Eng.(Mrs).J.Rathnavasanth
4	Committee Member 01	Eng.S.Hariprashath
5	Committee Member 02	Eng.S.Muralitharan
6	Committee Member 03	Eng.(Mrs).V.Nilojan
7	Committee Member 04	Eng.(Mrs).H.Umadevi
8	Committee Member 05	Eng.(Mrs).G.Swarna





## 2. Activities for the session 2017/2018

### Event No: 01 – Annual Family Get-together

A get together for the Engineers and their family members was organized on **19<sup>th</sup> December 2017** at JKAB Park Resort, Trincomalee. Totally 80 participated for this event.



person was **Mr.S.Premaranjan, Principal, Technical College, Batticaloa**. The total participation was 25.

### Event No: 03 – Field Visits

- Field visit to Prima Ceylon Ltd, Tokyo Cement Company (Lanka) PLC & Lanka IOC PLC, Chinabay, Trincomalee was arranged on **10<sup>th</sup> March, 2018 (Saturday)**. Forty three (43) Engineers from various government and private bodies participated in this event.



- Field visit to Brandix Apparel Ltd & Water Treatment Plant, Batticaloa was arranged on **30<sup>th</sup> June 2018 (Saturday)**. Forty five(45) Engineers from various government and private bodies participated in this event.



#### **Event No: 04 – Continuing Professional Development (CPD) Activities**

A lecture on “**Trial Mix Design**” was conducted on **23<sup>rd</sup>& 24<sup>th</sup> of June 2018** for Engineers at the Auditorium of Provincial Irrigation Department, Batticaloa and 25 participated in the event.

#### **Event No: 05 – Professional Review Examination, Section “B” Paper**

Professional Review Examination, Section “B” paper examination was held on **March 04, 2018** at Provincial Irrigation Department, Batticaloa.

#### **Event No: 06 – Annual Cricket Fiesta**

The six-a-side friendly cricket tournament arranged by the Eastern Chapter of Institution of Engineers, Sri Lanka was successfully held on **22<sup>nd</sup> April, 2018 (Sunday) at Hindu College Ground, Trincomalee** with the view of energetically refreshing the members. All the members of IESL – Eastern province were invited to participate for this event and 05 teams representing various departments competed at the event. At the end of very spirited and interesting series of matches, the team; Strange Warriors, from Batticaloa secured the champions trophy of the IESL Cricket Fiesta 2018 by defeating the CEB, Prima joint team from Trincomalee.



#### **Event No: 07 – “Junior Inventor of the Year 2018” competition awareness programme for Schools in Trincomalee District**

Coordinated with Zonal Directors of Educations in Trincomalee district and conducted two awareness programs regarding the JIY competition for School principals at Zonal offices in **March, 2018** and collected 67 applications from Eastern province.

#### **Event No: 08 – “Junior Inventor of the Year 2018”- Preliminary Evaluation.**

The preliminary evaluation for the Eastern Province was held on **11<sup>th</sup> August 2018** at T/Peruntheru Vigneswara Maha Vidiyalayam, Trincomalee. 43 Inventors from various schools from Eastern province participated in this JIY 2018 event. Evaluators from the IESL Head office participated.





### Event No: 09 – Committee Meetings

Up to now, a total of 9 committee meetings were held during the session of 2017/2018 and the details are given below;

Date	Meeting No.	Venue	No.of participants
04.12.2017	01	RSC (E), NWSDB, Trincomalee	15
09.01.2018	02	DGM Office, CEB, Trincomalee	15
06.02.2018	03	P/Irrigation Dept, Trincomalee	14
07.03.2018	04	P/Building Dept, Trincomalee	16
02.04.2018	05	RSC (E), NWSDB, Trincomalee	08
16.05.2018	06	RSC (E), NWSDB, Trincomalee	08
06.06.2018	07	RSC (E), NWSDB, Trincomalee	10
12.07.2018	08	RSC (E), NWSDB, Trincomalee	09
06.08.2018	09	RSC (E), NWSDB, Trincomalee	10

### 3. Upcoming events up to 4<sup>th</sup> Quarter of the Sessions 2017/2018

1. Professional Review Examination, Section B paper examination will be held September 09, 2018 at Provincial Irrigation Department, Batticaloa.
2. CPD session on “**Euro Codes**” at Trincomalee.
3. Talk on “**Stress Management**” at Batticaloa.
4. CPD session on “**Acceptance of Design Optimization in Civil Engineering Projects**” at Trincomalee.
5. Seminar on “**Introduction to Green Building Concepts**” at Trincomalee.
6. Field visit to Yan Oya Irrigation project

#### 4. Audited Finance Accounts

Audited Accounts of IESL Eastern Chapter for the financial year starting from 28<sup>th</sup> August 2016 to 24<sup>th</sup> December 2017 was submitted to Finance Department of IESL Head Quarters on 29<sup>th</sup> January 2018.

(Reported by Eng. L Subaharan, Secretary, IESL- Eastern Chapter)

#### **IESL Kandurata Chapter**

The Chapter uses an integrated plan for the sector for the development of the standing and dignity of the engineering profession within the Central Province. This is planned in three comprehensive areas, Professional development, Social development and Economic development and the year plan was developed accordingly. Some activities related to these three areas were monitored in order to achieve the objective and these activities shall be complying or done along with CPD courses.

##### **1. Professional Development**

Following events and activities were successfully conducted.

- "Challengers in Solid Waste Management in Sri Lanka" on 6<sup>th</sup> April 2018 by Eng. Namal Dissanayake from Kandy Municipal Council.
- "Future Trends in Renewable Energy and related issues" on 23<sup>rd</sup> April 2018 by Eng. Sarath Wijesinghe.



- Professional Review workshop for Associate members on 13<sup>th</sup> February, 2018



## 2. Social Development

- Family Get-together on 27<sup>th</sup> January, 2018 in Kithulgala.



- Bakmaha Ulela with Paduru Party was successfully held on 22<sup>nd</sup> April, 2018.



- **JlY Awareness Programmes**

Two JIY awareness programmes were conducted for Teachers and students of Kandy and Nuwara Eliya districts. 175 attended for the Kandy programme and 75 attended for N'Eliya programme.



JlY competition was successfully held on 18<sup>th</sup> August, 2018.

- **Planning Circle Meeting**

Planning circle meeting was held on 28<sup>th</sup> May, 2018 at the CEB circuit bungalow, Bahirawakanda.

### **3. Committee meetings**

Up to now, a total of 10 meetings were held during the session.

(Reported by Editor, IESL Kandurata Chapter )

## **IESL Rajarata Chapter**

### **1.0**

1.1 The 18th Annual General Meeting of the Institution of Engineers, Sri Lanka Rajarata Chapter was held on 28<sup>th</sup> November 2017 at Gajaba Regiment Head Quarters, Saliyapura, Anuradhapura.

The executive committee for the session 2017/2018 was elected.

During the session CPD activities, field visits, Talks and social activities were conducted.

Following Activities were completed during the session 2017/2018



## **2.0 Continuing Professional Development (CPD) Activities**

### **2.1 Structural Design Course**

A Structural Design course was commenced on 14th February 2017. And it is still going on in the year 2018. The Resource person is Eng. G.R.A.S. Gunathilaka, Additional General Manager (EPC-East), CECB. Sixty engineers have registered for the course. The course is being conducted at the Irrigation Department Auditorium, Anuradhapura.



## 2.2 Drought forecasting for Tropical countries and water proofing construction chemicals

Conducted on 6<sup>th</sup> February 2018. The resource persons were Eng. L.W Senavirathne and Mr. Yunus Rajkothwala. The event was held at Creston Park Hotel, Anuradhapura and 118 members were participated in the event.



## Make Difficult changes for the better - A mind blowing discussion

Conducted on 3<sup>rd</sup> April 2018. The resource persons were Prof. K.K.Y.W Perera and Eng. R.G Rubasinghe. The event was held at Sisila Uyana Anuradhapura and 70 members were participated for the event.



## 3.0 Field Visits

### 3.1 Field trip to the Hybrid power plant in Eluvaitivu Island





IESL Rajarata Chapter successfully conducted its third CPD activity of the session which was a field trip to the Hybrid power plant in Eluvaitivu Island, Jaffna on 27th March 2018. On behalf of IESL Rajarata Chapter, engineers of Ceylon Electricity Board arranged the field visit which ultimately became a successful event. The journey started at around 6:00 am in the morning and 56 engineers participated for the event.

### **3.2 Field trip to the new development Zone of system D Medirigiriya**

The 6th CPD activity of the session 2017/18 of IESL Rajarata Chapter was successfully concluded on 7th August 2018. This time Polonnaruwa District center arranged this field

visit which gave the members a better understanding about the New Development Zone of System D, Medirigiriya which is a part of Moragahakanda-Kaluganga Development Project.



## **4.0 Social Activities**

### **4.1 IESL Rajarata Cricket Sixers**

IESL Rajarata Cricket Sixers which was successfully concluded on 31st Jan 2018 at Irrigation Ground. With the rounds of matches, RDA Anuradhapura team became the champions of the tournament and PRDA Podi Para Fighters became the runners up.

The organizing committee of the tournament ( NWS&DB ) and the executive committee of IESL Rajarata Chapter thank all the members who took part and made the event a success.

## 4.2 Family Get together

5th CPD activity of the session 2017/18 of IESL Rajarata Chapter was successfully concluded on 21st June 2018. It was a great chance for the members and their families to get to know each other and spend some time with them. On behalf of IESL Rajarata Chapter, Engineers of Road Development Authority arranged the successful event.



## 5.0 JIY Awareness Programmes

4.1 “JIY Awareness Programme” was held at Hingurakgoda Ananda Balika Vidyalaya on 04<sup>th</sup> May 2018 and Anuradhapura at Swarnapali Balika Vidyalaya on 15<sup>th</sup> May 2018. 80 Persons participated for the event.





## 6.0 Committee meetings

Seven successful committee meetings were held in the session 2017/2018



## 7.0 Forthcoming Events

- 7.1 Talk on telecommunication- Yesterday, Today and Tomorrow
- 7.2 Etiquette Practicing for Engineers
- 7.3 Out – bound training for the Engineers
- 7.4 Techno Exhibition Stall – Technical Solution for a Social issue

(Reported by Eng. A.M.C.T.K Attanayake, Hony. Secretary, Rajarata Chapter)

## IESL Ruhunu Chapter

### IESL Southern - Ruhunu Chapter Session 2017 / 2018

The Annual General Meeting of the IESL Ruhunu Chapter for the session 2017 was held on 17<sup>th</sup> November 2017 at Ganga Addara Hotel, Peakwella, Matara from 6.00 pm onwards with the presence of around 250 members of IESL Ruhunu Chapter with their family members.

Eng. (Prof.) Mrs. N. Rathnayaka, President-IESL graced the occasion as the Chief Guest and Eng. (Prof.) T.M. Pallewatta, President Elect-IESL, was the guest of honor. Eng. Arjuna Manamperi was invited as the guest speaker to deliver a special lecture on “Challenges for Engineers in public relations”.



### **Office bearers elected for the session 2017/2018**



### **Past Events for the session 2018**

#### **01. Guest Lecture by the Eng. Nilantha Karunaratna**

Guest Lecture on “Flood Hazard Management and Flood Resilient Future in Sri Lanka” was organized by IESL Ruhunu Chapter on 05<sup>th</sup> January 2018 at the Irrigation Department Auditorium, Galle.

The lecture was delivered by the Eng. Nilantha Karunaratna.

Around 35 Members attended the event.



#### **02. Workshop by Eng. Arjuna Manamperi**

A Workshop by Eng. Arjuna Manamperi was organized by IESL Ruhunu Chapter on 16<sup>th</sup> January 2018 from 4.00 pm to 6.00 pm at Auditorium, CEB (Southern Province), No 167, Galle Road, Matara.

Around Twenty (20) members of IESL Ruhunu Chapter participated in the event.



### **03. Field Visit to Hambanthota**

A Field Visit to Sustainable Energy Authority – Hambanthota, 10MW SAGA Solar Power Plant – Hambanthota, Wind Power Station (CEB) - Hambanthota and Magampura International Airport was organized by the IESL Ruhunu Chapter on 20<sup>th</sup> January 2018.

Around Twenty Five (25) members of IESL participated to the same.



### **04. Planning Circle No. 01 – Matara District – 2018**

First Planning Circle – Matara District for 2018 was held on 28<sup>th</sup> February 2018 at LHK Hotel, Godagama, Matara 7.00 pm onwards.

Around 40 members of IESL Ruhunu Chapter participated in the event.

#### **05. “B” Paper Examination Feb/March 2018**

**“B” paper Examination Feb/March 2018** was held on 4<sup>th</sup> March 2018 at the Faculty of Engineering, University of Ruhuna, Hapugala, Galle. Thirty Six (36) candidates sat for the examination.

#### **06. IESL Junior Inventor of the Year (JIY) Competition Awareness program – Hambantota District**

**IESL Junior Inventor of the Year (JIY) Competition Awareness program** for School Children in Hambantota District was held on 12<sup>th</sup> May 2018, from 9.00 am to 1.00 pm at the Auditorium of Divisional Secretariat, Tangalle. Around Fifty (50) Students from six schools in Hambantota District participated in the program.



#### **07. IESL Junior Inventor of the Year (JIY) Competition Awareness program – Matara District**

**IESL Junior Inventor of the Year (JIY) Competition Awareness program** for School Children in Matara District was held on 19<sup>th</sup> May 2018, from 9.00 am to 1.00 pm at the Auditorium of Sri Lanka Telecom (SLT), Matara. Around Fifty (50) Students from five Schools in Matara District participated in the program.



#### **08. IESL Junior Inventor of the Year (JIY) Competition Awareness program – Galle District**

IESL Junior Inventor of the Year (JIY) Competition Awareness program for School Children in Galle District was held on 19<sup>th</sup> May 2018, from 9.00 am to 1.00 pm at the Faculty of Engineering, University of Ruhuna, Hapugala, Galle. Around Seventy-Five (75) Student from Seven Schools in Galle District participated in the program.



#### **09. CPD Course on “Engineer in Society” – 07<sup>th</sup> July 2018**

CPD Course on “Engineer in Society” was organized by IESL CPD Committee & IESL Ruhunu Chapter on 07<sup>th</sup> July 2018 at the Auditorium of Irrigation Department Galle - Kaluwella.

The Program was conducted by Eng. P.W.Sarath and around 25 participants attended the course.



#### **10. Donation to Karapitiya Cancer Ward – 12<sup>th</sup> July 2018**

A Charity Program was organized by IESL Ruhunu Chapter with collaboration of IESL Ruhunu Student Chapter on 12<sup>th</sup> July 2018 at the cancer ward of Karapitiya Hospital.

Medicine & Equipment valued at more than hundred thousand rupees was donated by IESL Ruhunu Chapter and members.



### **11. Field Visit to ACL Cables PLC & Wijeya Newspapers LTD**

A Field Visit to ACL Cables PLC in Piliyandala and Wijeya Newspapers LTD in Nugegoda was organized by the IESL Ruhunu Chapter on 21<sup>st</sup> July 2018.

Around Twenty Five (25) members of IESL participated in the visit.



### **12. Seminar on "Video and Image Forensics" – 12<sup>th</sup> June 2018**

Guest Lecture on "Video and Image Forensics" was organized by IESL Ruhunu Chapter on 12<sup>th</sup> June 2018 at the Faculty of Engineering, University of Ruhuna, Hapugala.

The lecture was delivered by the Eng. Dr Chandana Gamage - Senior Lecturer, Computer Science & Engineering Department of University of Moratuwa and Eng. Kasun Chathuranga – Lead Security Engineer, TechCERT

Around 110 participants attended the event.



### **13. IESL Junior Inventor of the Year (JIY) Competition – Southern Province**

IESL Junior Inventor of the Year (JIY) Competition for southern province was held on 04<sup>th</sup> August 2018 at Faculty of Engineering, University of Ruhuna, Hapugala.

It was organized by IESL Ruhunu Chapter in collaboration with JIY committee and over 100 competitors participated for the same.



### **15. Professional Review “B” Paper Examination**

**Professional Review “B” Paper Exam** was successfully conducted by IESL Ruhunu chapter on 08<sup>th</sup> September 2018 at the Faculty of Engineering, University of Ruhuna , Hapugala, Galle. Around 40 members sat for the exam.

### **Upcoming Events for the session 2018**

- 1) **Building Clinic** with collaboration Department of Local Government on 18<sup>th</sup> September 2018.
- 2) **Planning Circle Meeting in Hambantoata** District on September 2018.
- 3) **Field visit to Matara-Hambantota Expressway** on October 2018.
- 4) **Techno Exhibition** on 12/13/14 October 2018.
- 5) **Planning Circle Meeting in Galle** District on October 2018.
- 6) **AGM** on November 2018

(Reported by Eng. D.M.J. Roshan Kumara, Chairman - IESL Ruhunu Chapter)

### **IESL Sabaragamuwa Chapter**





Committee members for the session 2017/18

The first committee meeting of IESL Sabaragamuwa Provincial chapter for the session, 2017/18 was conducted on 06<sup>th</sup> Dec 2017 with participation of all the executive committee members. Annual event plan and new proposals were discussed at the meeting.

Following events were organized by the IESL Sabaragamuwa Provincial Chapter.

**Event 01: Workshop on “Advanced Technologies used in Paint Industry”**

IESL Sabaragamuwa chapter conducted first event with a workshop about advanced painting technologies on 17<sup>th</sup> Jan 2018. Experts from Macksons Paint Lanka (Pvt) Ltd shared their experience with the audience. This event was held with the participation of nearly 80 engineers of the province.

**Event 02: Trip to Sinharaja Forest**

IESL Sabaragamuwa chapter organized a family trip to Sinharaja forest on 18<sup>th</sup> February 2018. About 50 participants enjoyed the trip with their family members.





### **Event 03: Professional Review Workshop**

Professional Review Workshop of IESL Sabaragamuwa Chapter was held successfully on 27th Feb 2018 at “Udara” reception hall, Ratnapura. There were two sessions which were conducted respectively by Eng. Shavindranath Fernando and Eng. K.P.I.U.Dharmapala. It was a valuable opportunity for associate members of the province to clarify their issues while completing professional review process leading to Charter status.

### **Event 04: “B” Paper Examination**

“B” Paper examination (Feb/Mar 2018) was held on 04<sup>th</sup> Mar 2018 at Technical College, Ratnapura.

### **Event 05: CPD Lecture on “Entrepreneurship and Innovation Management”**

IESL Sabaragamuwa Chapter successfully organized a CPD lecture on “Entrepreneurship and Innovation Management” which was delivered by Mr.Rohan pallewatta on 20<sup>th</sup> March 2018. It was a good opportunity for Sabaragamuwa Engineers to improve their knowledge of entrepreneurship and innovation management. More than 70 engineers gathered to make the event a success.

### **Event 06: Field Visit to Puttalam Cement factory**

IESL Sabaragamuwa Chapter arranged a field visit to Puttalam Cement Factory on 27<sup>th</sup> March 2018. Around 35 engineers participated for the field visit.

### **Event 07: Sinhala & Tamil New Year Celebration**

Sinhala and Tamil New Year celebrations of IESL Sabaragamuwa chapter was held successfully on 22<sup>nd</sup> April 2018 at Rajanawa resort, Rathnapura. President of IESL, as the chief guest, and President Elect of IESL as the guest of honor, participated in the event. More than 110 participants including Engineers and their family members gathered with great enthusiasm to make the event success.

**Event 08: Asirimath Damsaka Program**

The Sermon and meditative program “Asirimath Damsaka” was held on 03<sup>rd</sup> June 2018 at District Secretariat conference room, Ratnapura. More than 100 participants gathered for the program.

**Event 09: Public lecture on “New inland Revenue Act”**

IESL Sabaragamuwa Chapter organized next public lecture about “New Inland Revenue Act.” This topical lecture was held on 21<sup>st</sup> June 2018 at Udara reception hall, Ratnapura with participation of more than 50 engineers. Participants attended the session with great enthusiasm and they had the opportunity to clarify their issues about the subject.

**Event 10: JIY Awareness Sessions**

IESL Sabaragamuwa chapter conducted three JIY awareness sessions at Prince College Ratnapura, Seevali Central College Ratnapura and Hidellana Ananda College Ratnapura. Two hour lectures were delivered by Engineers of the province.

**Event 11: Planning Circle meeting**

IESL Sabaragamuwa Chapter organized another successful event of Planning Circle meeting on 19<sup>th</sup> July 2018 at Kethumathi reception hall, Ratnapura. Engineering proposals and execution plans for disaster mitigation and damage control were deeply discussed at the event by various organizations of the province. Around 150 participants including engineers, technical officers, and officers of the Police Department, Senior Navy officers and AGAs were actively involved to make the event a success.

**Event 12: Cricket Fiesta 2018**

Annual Cricket Tournament of IESL Sabaragamuwa Chapter was successfully held on 25<sup>th</sup> Aug 2018 at Ratnapura Mudduwa ground, Ratnapura with the participation of more than 60 engineers including their family members. Provincial engineering service department became the winner of the tournament while CEB joint team became runner up of the game.

### **Upcoming Events**

**Event 01: JIY Provincial Competition** on 01<sup>st</sup> Sep 2018 at District Secretariat office conference room.

**Event 02: “B” Paper Examination** on 09<sup>th</sup> Sep 2018 at technical college, Ratnapura

**Event 03: The IESL Sabaragamuwa Chapter stall** at Techno 2018

**Event 04: Annual General Meeting of IESL Sabaragamuwa Chapter**

(Reported by Eng. Sanjaya Kumara, Chairman, Sabaragamuwa Provincial Chapter)

### **IESL KEGALLE DISTRICT CENTRE**

The Annual General Meeting of the IESL Kegalle District Centre was held on 01<sup>st</sup> September 2017 at the hotel Factory, Ambanpitiya, Kegalle with the participation of 60 members, Eng. Jayavilal Meegoda (President - IESL), Prof. D. A. R. Dolage (Vice President – IESL), Prof T. M. Pallewatte and Prof. Ranjith Dissanayaka as special guests.

Following members were selected to the executive committee for the 2017/2018 Session.

<b>Post</b>	<b>Name</b>	<b>IESL Membership No</b>	<b>Organization</b>
Chairman	Eng. Prasanna Kangara	M-6200	Private Sector
Secretary	Eng. R. A. S. P. Kulathunga	AM-12089	RDA
Treasurer	Eng. B. Y. D. Dharmadasa	AM-13250	RDA
Editor	Eng. B. R. K. C. Dematapitiya	AM-9182	NWS&DB
Vice Chairman	Eng. R. W. D. T. B. Wickramasingha	M-4329	RDA
Assistant Secretary	Eng. D. P. L. Sirisumana	AM-4066	PRDA
Assistant Treasurer	Eng. H. G. S. Priyalal	AM-10705	Provincial Council
Committee Member 01	Eng. W. A. L. Premathilaka	AM-12578	SLT
Committee Member 02	Eng. H. K. D. P. Kumarasiri	M-4193	RDA
Committee Member 03	Eng. K. G. C. J. Dayarathna	AM-11988	CEB
Committee Member 04	Eng. W. K. A. S. Chandrarathna	M-4374	Provincial Council
Committee Member 05	Eng. R. P. Wanigasekara	M-4823	NWS&DB
Committee Member 06	Eng. M. E. Jayawardena	M-4361	RDA
Committee Member 07	Eng. Sanjaya Kumara	M-4531	SLT

Committee Member 08	Eng. W. A. D. D. Wickramarachchi	AM-15073	Private Sector
Committee Member 09	Eng. D. N. Agunawala	M-6032	SLT
Committee Member 10	Eng. Tharaka Harishchandra	M-6696	Private Sector

Since last AGM, following activities were organized by IESL Kegalle District Centre.

**Event No 01 – Religious Activity at Aluviharaya Temple at Matale and Field Visit to Moragahakanda and Kaluganga Multi-Development Project**

The first event was organized on 05<sup>th</sup> October 2017 to do religious activities at Aluviharaya Temple at Matale and field visit to Moragahakanda - Kaluganga Multi-Development Projects, with the participation of members with their families. Ongoing construction works of several types of dams, power stations, tunnel construction sites were observed by the participants.



**Event No 02 – New Year Musical Program at Dowson Bungalow, Kegalle**

As a change to the busy technical workload handled by the Engineers, a classical musical program called “Paduru Sajje” was organized by IESL Kegalle District Center with the participation of about 50 members with their families on 30<sup>th</sup> December 2017

**Event No 03 – CPD Lecture by Eng. (Dr) Kamal Karunananda –“ Design of Two Story Residential Buildings” on 23rd February 2018**

During this CPD lecture by Eng. (Dr) Kamal Karunananda, members were able to obtain some basics and practical knowledge regarding Design of a two story residential buildings.



**Event No 04 – Lecture on “Great Engineering Journey of Sri Lanka” on 28th June 2018.**

IESL Kegalle District Center organized a lecture on Great Engineering marvels of Ancient Sri Lanka by Mr. Viraj Balasooriya, Senior lecturer of University of Peradeniya, Deputy Director of Archeological Department of Sri Lanka.



**Event No 05 – Family Get-Together at Polonnaruwa on 29th June 2018.**

A Family get together was organized at Polonnaruwa with the participation 40 No's, members including their families by IESL Kegalle District Center.

**Event No 06 – Poson Religious Program on 02nd July 2018**

“How to Merge Buddhism and Meditation for our daily life”, a Poson religious program by Ven. Dewalegama Achala Thero (former Engineer) at Nawagamuwa Temple was organized

**Event No 07 – Public Lecture by Dr. S. B. Wijekoon, “Time and Stress Management” on 13rd July 2018**

A Public lecture by Eng. (Dr) S. B. Wijekoon on how to manage the time and the stress was organized by IESL Kegalle district Center at Hotel Sleek, Ranwala. More than 60 members participated with great enthusiasm.



## IESL Uva Chapter



The IESL Uva Chapter Annual General Meeting (AGM) for year 2016/2017 was held on 13<sup>th</sup> December 2017 at Olympus Plaza Hotel Haputale.



## **Minutes of Annual General Meeting (AGM) – IESL Uva Chapter 2016/2017**

### **Session**

The Annual General Meeting of IESL Uva Chapter for the session of 2016/2017 was held at Hotel Olympus Plaza, Haputhale on 13<sup>th</sup> December 2017 starting at around 6.30 pm and continued until mid-night of the day.

According to the agenda, the first session of the AGM was started with the arrival of the Guest of Honour.

First of all, the guest of honour, invitees and office bearers of IESL Uva chapter were invited for lighting of traditional oil lamp and this was followed by the National Anthem and Uva song.

Chairman of IESL Uva chapter, Eng. Mihira Gunasena welcomed the Guest of Honour for the event, Dr. Jayalath Edirisinghe, Head of the Department – Civil Engineering, Faculty of Engineering, University of Peradeniya. Also the Chairman of IESL Uva chapter welcomed all the members of IESL Uva Chapter who attend the meeting.

Due to unavoidable circumstances the Chief Guest for the event Eng. Prof. (Mrs.) Niranjani Rathnayake, the President of the Institution of Engineers, Sri Lanka was unable to participate. But she has sent her message and it was read out by Eng. Chesmi Wanniarachchi.

Chairman of IESL Uva chapter Eng. Mihira Gunasena introduced the Guest of Honor for the event, Dr. Jayalath Edirisinghe to the audience and invited to deliver the keynote speech. Accordingly Dr. Jayalath Edirisinghe delivered his valuable thoughts on how to serve as a professional engineer to the society as well as engineering profession.

After having the sponsor's messages the Annual General Meeting was commenced. The Chairman of Uva chapter Eng. Mihira Gunasena proposed the Vote of Thanks and appreciated the commitment of the committee members and their contribution for winning bronze award at the TECNO exhibition for provincial chapters.

Then, the minutes of last AGM was presented by the secretary of IESL Uva chapter Eng. R.M.P.G Lionel Sri Gunapala and it was proposed and seconded as true and correct by Eng. T.M.S.S.D Tennakoon and Eng. W.G.G Gunathunga respectively.

Then the financial statement was presented by the Treasurer of IESL Uva chapter Eng. R.M Munasinghe and it was proposed and seconded as a true and correct by Eng. A.D.N.K.C Priyantha and Eng. P.S Sudath Vithanage respectively.

Then Eng. P.S Sudath Vithanage was appointed as the pro term chairman to conduct the AGM until new chairman is elected.

Eng. W.G.G Gunathunga was proposed as the new chairman for the session 2017/2018 by Eng. Udeni Wickramaratne and seconded by Eng. R.S Liyanage.

Eng. T.M.S.S.D Tennakoon was proposed as the secretary for the session 2017/2018 by Eng. R.M Munasinghe and it was seconded by Eng. V.G Rohitha.

Eng. R.M.S.M.B Sumanasekara was proposed as the Treasurer by Eng. R.J.R Senadheera and seconded by Eng. W.A.V Weerawardena.

Eng. M R Mathotaarachchi was proposed as the Editor by Eng W M T Weerakoon and seconded by Eng. Eng. Mohamad Fahim.

Eng. S. Thirunavuckarusu was proposed as the new assistant secretary by Eng. Mihira N Gunasena and seconded by Eng. R M P G Lionel Sri Gunapala.

The participants were entertained by singing classical sinhala songs by Ms Uthpalawanna Sri Narayana who is the daughter of Eng. Padmasiri Sri Narayana.

Finally the AGM was concluded with the Vote of Thanks of the newly appointed Secretary, Eng. T.M.S.S.D Tennakoon and all the members were invited to enjoy the Cocktail & Dinner.

#### **First Event - The Role of Engineers Adopting Industry 4.0 Technologies in Sri Lanka**

Date 24<sup>th</sup> January 2018, Wednesday  
Time 1800 hours onward.  
Venue Radumahala Hotel, Welimada Road, Bandarawela.  
Resource Person Eng. Chaminda Hettiarachchi, Co-Founder and a Director at Fab Lanka Foundation, a Social Enterprise based in Colombo  
Special raffle draw also held for participant with attractive gift was arraigned by the committee.

#### **Second Event – Vesak Bana Program**

Date 02<sup>nd</sup> May 2018, Wednesday  
Time 1900 hours onward  
Venue Auditorium, Sri Lanka Telecom, Bandarawela.  
Conducted By Most Venerable Madawala Upali Thero of Kithal Ella Senasana.  
Dinner was followed by the “Vesak Bana” program.

#### **Third Event - Planning Circle**

Date 13th June 2018, Wednesday  
Time 1830 hours onward  
Venue Malindi Hotel, Badulla Road, Binduwewa, Bandarwela.

#### **Fourth Event - Technical Session Telecommunication - Then, Now and Tomorrow**

Date 11th July 2018, Wednesday  
Time 1800 hours onward.  
Venue Malindi Hotel, Badulla Road, Binduwewa, Bandarwela.

Resource Person      Eng. Anuradha Udunuwara, Senior Engineer / Sri Lanka Telecom PLC  
Visiting Industrial Fellow - University of Hertfordshire, UK Technology  
and Industry Expert - Commonwealth Telecommunications  
Organization, UK Guest Lecturer – University of Peradeniya Subject  
Matter Expert - MEF

**Fifth Event - Technical Session on Paint Industry**

Date                      15th August 2018, Wednesday  
Time                      1800 hours onward.  
Venue                      Olympus Plaza Hotel. Haputhale  
Resource Person      Mr. Prabath Jayawardana, Head of Technical Support NIPPON PAINT  
Lanka

(Reported by Eng. M R Mathotaarachchi, Editor – IESL Uva Chapter)

**IESL Vadakkin Chapter**

**1. Committee Meetings**

There were eight committee meetings conducted during this period and many of the decisions taken at the meetings were executed.

**2. Cricket Fiesta 2018**

Vadakkin Chapter has organized Cricket Fiesta 2018 to boost co-operation among engineers. It has been held on 08.04.2018 at Valarmathi sports club stadium, Madduvil South, Jaffna with good participation by 11 teams representing various engineering institutions.

Team Details:

- CESL (North) Stars
- E 06 Batch
- JKWSSP Water Hunters
- Central Super Kings (CSK)
- RSC (North) Vortex
- RDA Fighters
- Building Bulls
- Irrigation Warriors
- Contractors' Team
- E09Mersal Kings

- Chennai 600028 Part 2 (UOJ)

The Winners of the cricket fiesta “Chennai 600028 Part 2 (UOJ)” team became the Champion and the “JKWSSP Water Hunters” was declared runner-up.



### 3. CPD Course

Continuing Professional Development Course on “Applied Finite Element Modeling and Analysis of Engineering Structure using SAP 2000” for Engineers was conducted by Eng.K.M.Vignarajah Senior Lecturer, Faculty of Engineering, University of Jaffna arranged by Vadakkin Chapter was successfully completed. About 13 Engineers were participated. Each engineers paid fifteen thousand rupees as course fee.

### 4. Events

The following Technical talks, Seminar and Discussion were arranged by Vadakkin Chapter:

- Technical Talk on “Trade for Peace - What Can We Learn from the American and Chinese Experience?” by Professor Patrick Mendis, Associate-in-Research of the Fairbank Center for Chinese Studies at Harvard University – 14<sup>th</sup> December 2017
- Technical Talk on “Stability – Transition – Turbulence” by Dr. Ponnampalam Balakumar, Research Scientist at NASA on collaboration with Mechanical Engineering Society, University of Jaffna – 10<sup>th</sup> January 2018
- Vice President of IESL visited the Northern Chapter on 27<sup>th</sup> January 2018
- Technical Talk on “Youth Entrepreneurship Development in Northern Region” by Prof.K.Chelvakumar, Visiting Professor, Indian Institute of Technology, Gandhi Nagar, Gujarat – 05<sup>th</sup> February 2018

- Talk on “Chronic Kidney Disease (u) [CKDu] in Sri Lanka” arranged by Vavuniya

Planning Circle 02, 26<sup>th</sup> October 2018

S/N	Activity	Scheduled Date	Sub Committee/ Contact person for more information
16	Planning Circle 02	26 <sup>th</sup> October 2018	Group 05 Eng Aroshana - 0716820836
17	TECHNO -2018	12 <sup>th</sup> ,13 <sup>th</sup> ,14 <sup>th</sup> Oct,2018	Techno Group Eng D M B Dissanayake - 0714489586
18	AGM and Annual Session Wayamba	30 <sup>th</sup> November,2018	Annual Session Group Eng. N. B. Nandana - 0714767252

(Reported by: Editor – Eng. Kasun Abeysinghe - IESL Wayamba Chapter)

## **PROVINCIAL CHAPTERS**

### **IESL Eastern Chapter**

Eng. N. Sudesan - Chairman  
Eng. L. Subaharan - Secretary  
Eng. R. Sutharsan  
Eng. N. Sasinanthan  
Eng. M. H. M. Rizwan  
Eng. C. Thuvaragan  
Eng. A. L. Niyas  
Eng. J. A. P. Rajkumar  
Eng. M. I. M. Fiyas  
Eng. A. Cenduran  
Eng. S. Gowrythasan  
Eng.(Mrs). A. Sivamalar

### **IESL Kandurata Chapter**

Eng. J. H. Meegoda - Chairman  
Eng. (Ms) K. A. D. Ariyawansa - Secretary  
Eng. Lasantha Weerasekara  
Eng. Athula Liyanage  
Eng. S.M.J. Rathne  
Eng. Daham A. Premathilake  
Eng. Tharanga Jayathilaka  
Eng. Peshala Herath  
Eng. Dinuke Seneviratne  
Eng. Rajiv Weragama  
Eng. D.T. Siriwardana  
Eng. Thilina Dissanayaka  
Eng. Samantha Rathnasiri  
Eng. (Mrs) Tharanga batagoda  
Eng. Thushara Jayasinghe  
Eng. Sagara Senarathna  
Eng. (Mrs) Manjula Rajapakshe

Eng. J M R B Jayawardana  
Eng. Randika Roshan  
Eng. Anuraddha Rathnayaka  
Eng. M.P. Wijenayaka  
Eng. Harsha Amunugama  
Eng. Jayantha Perera  
Eng. Sumith Wickramarathna  
Eng. (Mrs) Lakshanthi

### **IESL Rajarata Chapter**

Eng. J.A.D.R Sujith Kumara - Chairman  
Eng. A.M.C.T.K Attanayake - Secretary  
Eng. Prasanna Senavirathna  
Eng. M.H.A.S.R. Perera  
Eng. G.G. Senavirathna  
Eng. A.M Rifnaz  
Eng. C.S. Lokubarana  
Eng. (Ms) W.P.S. Sudarshani  
Eng. Mahesh Dissanayake  
Eng. Ranjana Amarasingha  
Eng. J.M.S. Jayawardhana  
Eng. N.L.S. Dayanga  
Eng. M.P. Ariyaratna  
Eng. Y.G. Harischandra  
Eng. Niranjana Dhanapala  
Eng. S.M.D.P. Jayarathne  
Eng. (Ms) M.I.D. Muthukumarana  
Eng. Aravinda Wicramasingha  
Eng. A.M.K. Amarasingha  
Eng. B.H.A. Darshana Ruwan  
Eng. R.M.C.K. Rajakaruna  
Eng. A.C. Ranathunga  
Eng. Dinesh Kulasuriya  
Eng. A. Bamunusingha  
Eng. A.K.A. Shanthirathna  
Eng. S.A.A. Jayasiri

### **IESL Ruhunu Chapter**

Eng. D.M.J. Roshan Kumara - Chairman  
Eng. K.A. Vijith Nandana - Secretary  
Eng. B.N. Chamara  
Eng. (Dr.) Chaminda Karunasena  
Eng. (Ms) E.P.A. Sampath  
Eng. H.V.L. Hasaranga  
Eng. K.G. Janaka  
Eng. P.M. Ranawaka  
Eng. Sandaruwan Jayasinghe  
Eng. H.R.W.J. Prematunga  
Dr. Ruwan Appuhami  
Eng. (Ms) B.M.S.D. Bandaranayake  
Mr. Krishan Chanaka Wickramasinghe  
Eng. S.M. Sriwarnasinghe  
Eng. Sameera Vithanage  
Mr. S.R.W.K.M. Suranjith Hemarathne

### **IESL Sabaragamuwa Chapter**

Eng. Sanjaya Kumara - Chairman  
Eng. Chalani Hettiarachchi - Secretary  
Eng. K.R. Withanage  
Eng. Sarath Wijesekara  
Eng. Samith Jayathunga  
Eng. Sampath Senarathna  
Eng. Primal Jinadasa  
Eng. Lalith Kumara  
Eng. Suranga Jayaweera  
Eng. Jagath Jayanath Abesekara  
Eng. Dushantha Sampath Wanigasekara  
Eng. Aruna Samarathunga  
Eng. Dushyantha Wanniarachchi  
Eng. Indika Prasad  
Eng. Gayani Rathnamali  
Eng. G.S.K. Kariyawasam

### **IESL Uva Chapter**

Eng. W G G Gunathunga - Chairman  
Eng. T M S S D Tennakoon - Secretary  
Eng. R M S M B Sumanasekara  
Eng. M R Mathotaarachchi  
Eng. S Thirunavuckarusu  
Eng. R M S N Danapala  
Eng. D A I Fernando  
Eng. D M I P Dissanayake  
Eng. H M L M Kumara  
Eng. B A M S Beligaswatta  
Eng W M T Weerakoon  
Eng. W M N Wijesena  
Eng. R P M T A S Bandara  
Eng. D M Usgodaarachchi  
Eng. A D N K C Priyantha

### **IESL Vadakkin Chapter**

Eng. N. Nantharuban - Chairman  
Eng. T. Barathithasan - Secretary  
Eng. T. Rajagobu  
Eng. J. Viajayabalan  
Eng. G.J.D. Croos  
Eng. J. Amalendran  
Eng. V. Vijayakanth  
Eng. A. Gunalathas  
Eng. A. Muhunthan  
Eng. S. Suntharakumar  
Eng. A. Kajeewan  
Eng. Ms. Lambert  
Eng. M.M. Rajkumar  
Dr. A. Anburuvel

### **IESL Wayamba Chapter**

Eng. Kusum Priyananda - Chairman

Eng. M. D. K. Mahiti - Secretary

Eng. N. B. Nandana

Eng. D.M.B. Dissanayake

Eng. Ramal M. Amadoru

Eng. Aroshana Wickremanayake

Eng. Y.A.C.R. Kumara

Eng. Kasun Thisara Abeysinghe

Eng. Kapila Weerasooriya

Eng. K.B.V. Indrapala

Eng. M.J. Arulthasan

Eng. S. M. B. Dissanayake

Eng. Krishantha Ranawaka

Eng. Rasika Mallawaarachchi

Eng. Sunil Jayatissa

Eng. Jude Kurera

Eng. B.M.L.S Bandaranayake

Eng. P.C.Dilruksha

Eng. G.T.R.B. Olagama

Eng. Lakmali Karunanayake

Eng. Asela Jayathilaka,

Eng. Damith Dissanayake

Eng. Thilina Disanayaka

Eng. Kasun Bandara

Eng. D.M.T.C. Dissanayake

Eng. Watsala Ratnayake

Eng. Pathum Lakmal

Eng. R.H.K. Siriwardhana

Eng. S.A.P.C Siriwardana

Eng. Kusal Manamperi

Eng. Aruna Abeyrathne

Eng. N.W.A.D. Manjula  
Eng. S.H. Mervin Siriwardhana  
Eng. R.N.P. Rajapaksha  
Eng. S.K.D.R. Samarathunga  
Eng. A.A. Senadeera  
Eng. D.M Kanchana Dissanayake  
Eng. H.A.S. Adhikari

# OVERSEAS CHAPTERS - 2017 / 2018

## IESL NSW Chapter

### **1 IESL NSW Chapter Executive Committee 2017/2018**

The ninth Executive Committee of IESL NSW Chapter was elected at the Annual General Meeting (AGM) held on 22 Oct 2017. Since then the committee held nine committee meetings. The committee currently consists of following committee members:

- Sarath Wijayapala (Chair)
- Rohitha Silva (Vice Chair)
- Dayantha Jayaratne (Past Chair)
- Dr. Buddhi Wijeratne (Secretary)
- Mahendram Manoharan (Treasurer)
- Udaya Peeligama (Editor)
- Subhani Medawala
- Sisira Marakkala
- Indunil Kariyakaranage
- Buddhi Ranasinghe
- Gayan Abeywaradane

In addition to the official committee members, Pamal Dias was appointed as the Web Administrator to maintain the website. He was appointed to serve on specific duties in relation to controlling access to the website editing, managing email addresses, and special IT support activities.

All committee meetings were well attended, although some members had difficulties attending meetings due to unavoidable circumstances.

### **Membership fees**

According to the IESL constitution and the subsequent agreements with IESL, the Chapter was entitled to receive 1/3<sup>rd</sup> of the membership fees of all members residing in New South Wales and Australian Capital Territory from IESL until 2017.

From the early days of Chapter, the amount due was reconciled with the fees collected locally from the members and an account was maintained to reflect the balance. With the introduction of online payment system, NSW Chapter stopped collecting membership fees locally as members could pay directly by using the credit card. IESL NSW Chapter requested the amount due to be transferred to the account, preferably in February or March in each year so that the Chapter accounts can be updated.

After many discussions in 2017 and 2018 held by NSW Chapter Chairs with IESL Presidents in Colombo and the CEO of IESL, it was agreed to transfer the balance due to the IESL NSW Chapter account and the last three-year tranche (2015, 2016 and 2017) was received in mid 2018.

The final tranche covering the years 2012, 2013 and 2014 is still awaited to be paid from IESL HQ. From 2018, a fixed annual contribution will be paid to all Provincial and Overseas Chapters to meet their operational expenses as decided recently by the IESL Council.

## **2 Knowledge sharing lectures and industrial visits**

During the year, the committee has facilitated the following three knowledge sharing lectures and an industrial visit

### **2.1 Lecture 1: Young Engineers Day held on 28 Feb 2018**



A sizeable audience was present consisting of members and industry professionals to listen to stimulating presentations made by young engineers on their experiences with some exciting projects, followed by a question and answer session. Four presentations in all were made at the sessions.

The first presentation was on **“Drainage Design and the North West Metro”** by **Eng. Pulith Vidanapathirana**. Pulith, a Civil Engineer from SMEC, with extensive experience on Operations, Trains and Systems (OTS) Contracts with the Sydney Metro Northwest and the WestConnex and Northconnex Projects, spoke on the drainage design aspects of the NorthWest Metro Project in his presentation. Pulith holds a Bachelor of Civil Engineering (Hons) degree from the University of New South Wales.

The next presentation titled **“Enabling the World’s Smallest CPAP Device”** was from **Eng. Varuni Fernando**, a Systems Engineer at ResMed Ltd on the next generation of devices for the treatment of Sleep Disordered Breathing (SDB). Varuni with a Bachelor of Engineering (Electrical) (Hons 1) from UNSW is currently pursuing a Masters in Systems Engineering from Johns Hopkins University and is the Chair of Women in Engineering, Engineers Australia, Sydney Division.

The third presentation on **“Use of elastic inclusions to improve rail track performances”** was from **Eng. Chamindi Jayasuriya**, a PhD Student at the University of Wollongong. She presented her research into the use of rubber-based underlay in rail tracks. Chamindi is a Civil Engineer who graduated from the University of Moratuwa Sri Lanka and has a Master’s degree in Highway Engineering.

The fourth presentation titled **“Re-igniting the Village Economy with Humanitarian Engineering”** was from a group of engineering undergraduates from the University of New South Wales who call themselves **“UNSW Impact Engineers”** who spoke on their achievements in constructing a water treatment plant and training community members in its maintenance and conducting of a

mindfulness program in rural Galwaduwegama & Thodamaduwa, two villages in Sri Lanka affected by Chronic Kidney Disease. Their efforts were assisted by the UNSW Global Water Institute, National Water Supply & Drainage Board Sri Lanka, University of Peradeniya, Project Fountain and multiple other corporate partners

## **2.2 Lecture 2: The Use of the Underground Space for Sustainable Development by Eng. Alexandre RA Gomes**

Alex has been an Adjunct professor for Tunnelling at the University of Chile, having published more than 50 technical papers and articles. He holds the position of Chief Technical Principal Tunnels and Underground at SMEC in Sydney, also serving as Vice President of the International Tunnelling and Underground Space Association (ITA-AITES). **The presentation was well attended and attracted a lot of questions from the audience.**

## **2.3 Lecture 3: Current and Future Trends of Robotics in Infrastructure by A/Prof Sarath Kodagoda**

Sarath Kodagoda has 20 years of experience in robotics. He is a co-chair of the 'A Robotics Road Map for Australia', which was launched in June 2018 at Parliamentary House Canberra. He is currently serving as Associate Professor, Coordinator of the Mechanical and Mechatronics engineering program and deputy director (Teaching and Research Integration) at Centre for Autonomous Systems at University of Technology Sydney.

The presentation was well attended.

## **2.4 Lecture 4: Eng. Kamal Fernando Memorial Lecture - delivered by Dr Nalin Pahalawaththa, Principal Consultant, Network Planning, TransGrid, on the topic "Power System Planning – The Art of Raising a Phoenix".**

Nalin Pahalawaththa is a Principal Consultant at TransGrid, the NSW electricity transmission network service provider.

A brief commemoration speech on late Eng. Kamal Fernando was made which was followed by Dr. Nalin Pahalawatte's lecture. A large audience was present.

## **3 IESL NSW Chapter newsletters**

This year we continued the web-based newsletter as a convenient way of presenting news without the limitations of a formatted structure, which was started in 2017. Readers were able to see the front page of the newsletter with highlights of the content and details were hosted in the website. Using this method, we can monitor the number of readers visiting each page. We issued four newsletters this year.

## **4 Engineering Convention, Award Presentation and Gala Nite 2018**

The Institution of Engineers Sri Lanka, NSW Chapter (IESL NSW Chapter), Engineers' Nite 2017 was held on 9 June 2018 at Hornsby RSL. This was held in grand style for the seventh consecutive time. Invitees were Prof (Mrs) Niranjanie Ratnayake, President of the Institution of Engineers Sri Lanka, Ms. Julie Mikhail, President of Engineers Australia, Sydney Division, Dr. Marlene Kanga, President of the World Federation of Engineering Organisations (WFEO). Key note speech was delivered by Professor Karu Esselle. This annual event was attended by over 250 engineers, industry experts, academia and many distinguished invitees representing various collaborative organisations.

The Engineering Conference, was held on 8 of June 2018 at the Engineers Australia Auditorium, Chatswood, and preceded the Engineers Nite 2018. The Papers presented were assessed and the Engineering Achievement Awards were presented at the Gala Nite the next day. The assessments were carried out on the established criteria by an independent selection panel. Some photos are attached on the Awards presentation.

## 5 Industrial Visit

### Visit to the NSW Rail Museum at Thirlmere on 4th August 2018



This year's industrial visit took place on Saturday 4th August 2018 to the NSW Rail Museum located at Thirlmere, NSW. A group of the Chapter's members, many with their families and totalling around twenty five assembled at 10.00 am at the Museum and was first entertained to an enlightening presentation by Jennifer on "The Great Strike of 1917" which commenced on the railways and tramways of NSW and soon spread to the rest of Australia, arguably the biggest such event to have

taken place in the country. The tour of the Museum then followed, the group being able to observe and learn of the rich heritage and history and some of the exceptional engineering and design achievements of NSW railways.

## **6 Regional Cooperation**

The tradition of exchanging information between overseas chapters about activities in regular conference calls with IESL Head office was continued. The links with Western Australia Chapter and Queensland Chapter were maintained and there had been active conversations when it was required. We received the invitation to attend the Engineering Nite of Western Australia Chapter and the IESL NSW Chair attended it. It was quite impressive and for the first time Engineering Achievement Awards were presented.

## **7 Knowledge Sharing Program**

Our Past Chair, Eng. Dayantha Jayaratne is closely associated with the NERD on the development of a remote switching solution for street lights in Sri Lanka, which is currently posing many hazards to people. IESL NSW Chair submitted a proposal to IESL HQ on establishing a formal process for engineers from Sri Lanka and NSW Australia for making presentations in each other country. Council response is awaited.

## **8 Working with Engineers Australia**

Relationship between Engineers Australia (EA) the Chapter was maintained throughout this year. We were not successful in arranging a meeting between the Presidents of IESL and Engineers Australia as the latter was unavailable when IESL President visited Australia to attend the Engineering Convention.

Engineers Australia continued their support in providing the venue for all our public lectures free of charge. I take this opportunity to thank Engineers Australia for their generous support.

## **9 Working with IESL headquarters**

During this year relationship with IESL headquarters was well maintained through regular conversations with IESL President Eng. (Prof) Niranjanie Ratnayake and CEO Eng. Neil Abeysekera. They all were keen to assist the Chapters despite the issues they had to deal with in the local context.

NSW Chapter Chair Eng. Sarath Wijayapala visited IESL HQ and had a meeting with President and CEO in March 2018. Many important issues were discussed including formalising Chapter membership and other initiatives.

He also attended the IESL Provincial and Overseas Chapter meeting held on that day.

(Reported by Eng. Sarath Wijayapala, Chair- IESL NSW Chapter)

## **IESL Western Australia Chapter**

### **Executive Summary**

Institution of Engineers Sri Lanka established the Western Australian overseas chapter in Perth in 2013 to cater for the members of the institution residing in Western Australia.

The main objective of the chapter is to provide a forum for professional engineers in Western Australia, to foster the ideals of the profession while socializing in a friendly professional environment.

To achieve this objective, the chapter would organize discussions, training sessions, professional lectures, reward and recognition, helping community projects through professional services, and practicing, promoting and encouraging professional ethics.

Although the membership of the chapter is limited to the members of IESL, the services of the chapter will be open to all engineers in WA. The chapter will have a strong relationship with engineers with Sri Lankan origin. However in a rapidly globalizing professional landscape the chapter welcome the participation and establishing relationships with all engineers.

IESL WA 4<sup>th</sup> session started after 3<sup>rd</sup> Annual General Meeting held on 10<sup>th</sup> Sep 2017 where new executive committee was appointed to continue its annual activities.

IESL WA Chapter completed its 5<sup>th</sup> successful year while celebrating the fourth successful year of operation of the Chapter since its inauguration in 2014. It is undoubtedly the tireless efforts of our current and past committee members, assistance from our general membership, their families and friends, and the support from our sponsors, which contributed to this success. Our Chapter brings together the engineers of WA to celebrate the professional contribution we make for the benefit of our community.

Year 2017-18 has been an excellent year of achievement for the Chapter. Our series of monthly public lectures continue to attract excellent lecturers from a variety of fields, ensures continuous professional development of our members, as well as interactions with industry, government bodies and professionals from other countries, which facilitate exchange of ideas and enrichment of their knowledge base. The scope of these lectures spanned from highly theoretical mathematical modeling to broad practical engineering and project management. There were six (06) technical presentations as part of monthly public lectures and one (01) industrial visit conducted during the year.

Our main social event of Engineers Night 2018 was successfully held in late July 2018 with participation of more than 290 participants. This year, we introduced the engineering achievement awards program to appreciate and showcase the achievements of our members. It has attracted excellent high quality submissions and the winners were awarded with trophies and attainment certificates at Engineers Night 2018.

We also have reinforced the regional corporation among the three chapters in Australia (WA, NSW & QLD) and closely worked with our parent organization IESL in Sri Lanka in the matters of membership and governance of overseas chapters.

The successes of all these efforts from the Chapter were evident from the positive feedback and appreciation that we received from the participants. We, look forward to conducting two more industrial visits to diverse engineering Institutions in coming months of September and October just after the 5<sup>th</sup> Annual General Meeting which is scheduled to be held on 23<sup>rd</sup> September 2018.

A summary of IESLWA Chapter activities for the session 2017/18 are as follows;

**1. Annual General Meeting – 10 September 2017**

The 4<sup>th</sup> Executive Committee of IESL WA chapter was elected at the Annual General Meeting (AGM) held on 10<sup>th</sup> September 2017 at Willetton pavilion, Willetton WA 6155, Western Australia and attended by 29 chapter members. Prior to AGM an Engineers' family BBQ was held at the same venue. Since then the committee held nine committee meetings in addition to special subcommittee meetings held time to time for planning and organising special activities such as Engineers Night and Engineering Achievement Award. Executive committee consists of 14 committee members while having 3 member appeal committee and Honorary Auditor to support the committee. The committee consisted of following committee members;

President: Mithra Mudiyansele  
Vice President: Kumudini Mathota  
Secretary: Dr Dilan Amarasinghe  
Treasurer: Gayan Attanayake  
Editor: Ruchira Wijesinghe

Committee Members: Nihal Cooray  
Remy Jayasekera  
Nimal Jayaratne  
Srinath Fernando  
Rajeewa Silva  
Dr Dumal Kannangara  
Pradeep Walawe

**IESL WA Committee 2017 / 18**



**Committee Members (From left to right):**

**Front Row:** Eng. Kumudini Mathota (Vice President), Eng. Gayan Attanayake (Treasurer), Dr. Dilan Amarasinghe (Secretary), Eng. Mithra Mudiyansele (President), Eng. Malkanthi Tennakoon.

**Back Row:** Eng. Manjula Abeywickrama, Eng. Nimal Jayaratne, Eng. Remy Jayasekera, Eng. Rajeewa Silva, Eng. Ruchira Wijesinghe (Editor)

## Absentees:



Dr. Dumal Kannangara



Eng. Srinath Fernando



Eng. Pradeep Walawe



Eng. Nihal Cooray

## 2. Technical Presentations ( CPD) – Monthly Public Lecture Series & Industrial Visits

IESL-WA conducted number of exiting technical presentations during the year. These sessions attracted considerable amount of participants from various Engineering disciplines. All these sessions were conducted at North Metropolitan TAFE in Northbridge, Perth. Each presentation session conducted by IESL-WA contributes 1.5 CPD hours for participants' professional development.

### I. **Lecture 1: October 2017 - Drones in Action-Future of Mine Surveying By Mrs. Natacha Aguilera-Selormey**

Mrs. Natacha Aguilera-Selormey, Senior Mine Surveyor in Fortescue Metal Group Ltd-Cloudbreak Mine delivered a presentation on Implementation of UAV based surveying at Fortescue Cloudbreak Mine Operations.

In this session she walked-through the audience on introduction to UAVs, the purpose of UAV based surveying, regulatory approval challenges, and safety aspects, utilisation of UAVs in day to day surveying and comparison of results achieved in both pits and stockpiles with the use of UAVs.

### II. **Lecture 2: November 2017 - Nature-Inspired Distributed Motion Control Algorithms for Mobile Sensor Networks by Dr. Nuwan Ganganath**

Dr. Nuwan Ganganath, who was an Endeavour Research Fellow in University of Western Australia, delivered a presentation on algorithms developed for mobile sensor networks, which were based on the natural flocking behaviour of animals.

Starting from an introduction to mobile sensor networks, this presentation discussed how the various animals' flocking behaviour can be modelled mathematically, and in turn, how these models can be used in mobile sensor network applications to enhance their area of interests / coverage

### III. **Lecture 3: February 2018 - Challenges in the Execution of Mega Oil and Gas Projects By Eng. Marlon Cooray**

Eng. Marlon Cooray, currently a Project Manager (Infrastructure) at Woodside Energy Ltd. delivered a presentation that provided an insight on the execution of mega projects in Western Australia, and on the apparent challenges associated with these projects, in particular in LNG stream.

This presentation highlighted the importance of the promotion of regional infrastructure to oil and gas developments. Further, it provided an insight into the related government interfaces and statutory obligations that play a significant part in the development of regional infrastructure in Western Australia Resource Sector.

**IV. Lecture 4: March 2018 - Site Investigation and Civil Earthworks Supervision (Case Study) By Dr. Harun Meer**

Dr. Harun Meer, Director of Local Geotechnics Pvt Ltd, conducted a presentation on planning strategies, factors, site constraints and other issues that are considered for geotechnical site investigations in Western Australia. He also presented few case studies related to civil earthworks that he has led to exemplify the presented facts. This session was particularly informative for the Civil and Geotechnical Engineers who engage in geotechnical investigations in civil infrastructure projects.

**V. Lecture 5: April 2018 - Recovering Copper Sulphide from Ore - Froth Flotation By Eng. Navaraj Fernando Pulle**

Eng. Navaraj Fernando Pulle, currently working as a senior metallurgist at Metalsx Nifty Copper Operation, delivered a presentation on the process of recovering Copper Sulphide from the ore at the Nifty Sulphide concentrator plant. During this presentation he explained various options of feeding the concentrator with ore, and in turn how the copper minerals are recovered from a cyclone overflow process. He also explained how the by-products of this process have been used in subsequent sub processes in Copper extraction.

**VI. Lecture 6: June 2018 - Development and Delivery of Mitchell Freeway Extension from Burns Beach Road to Hester Avenue By Eng. Kugan Kuganathan**

Eng. Kugan Kuganathan, Project Manager in Mainroads Western Australia, presented an informative session on Planning to Delivery of Mitchell Freeway Extension from Burns Beach Road to Hester Avenue. During this presentation he explained the rationale behind the initial concept design for the freeway extension, environmental, commercial and financial challenges that had to be circumvented, new concepts adopted for this upgrade to improve the effectiveness of the traffic flow, and about the completion of the project.

This was an interesting session for all the attendees irrespective of their background or current work role as it provided an overview of the complexity and challenges associated with the road infrastructure upgrade projects in Western Australia.

**VII. Lecture 7: August 2018 - Demand-Side Regulation Provision from Industrial Loads for Ancillary Services By Prof. Tyrone Fernando**

Prof. Tyrone Fernando is a Professor and Director of Power And Clean Energy (PACE) Research Group, Department of Electrical Electronic and Computer Engineering, Faculty of Engineering and Mathematical Sciences, University of Western Australia.

In this talk, the participation of solar energy in real time regulation provision process was emphasised, which is modelled based on a variety of operation modes in accordance with Australian Standards. He also highlighted the fact that in integration of solar energy, through a case study, the proposed method poses cost-effectiveness in industrial plant scheduling and a favourable load following capability, helping to ensure the frequency stability of the electric grid.

### **3. Industrial Visits**

**Aug 2018 – Water Corporation** - An industrial visit to Australia's first full-scale Groundwater Replenishment Scheme which is located in Perth's northern suburbs, in Craigie, Western Australia.

This visit was organised following a special approval process and given the opportunity to explore operation of Advanced Water Recycling Plant, which determined it could be used as a sustainable option to boost drinking water supplies to Western Australian consumers.

At the Advanced Water Recycling Plant, it undergoes further advanced treatment processes that included ultra-filtration, reverse osmosis and ultraviolet disinfection. This removes chemicals and micro-organisms to meet Australian guidelines for drinking water.

Upcoming Industrial Visits are scheduled as below;

- September 29, 2018: Industrial Visit to Green Electric Energy Park at Curtin University
- October 26, 2018 : Industrial Visit to Fortescue Metal Group (FMG) Integrated Operations Centre, Perth

#### **4. Engineering Achievement Awards 2018**

This was a great initiative first time these awards have been made by the IESLWA to recognise the achievement of Sri Lankan engineers in Western Australia. This will continue as an annual feature into the future.

The submissions were opened for following three categories.

- Engineering achievement (Open) - Open to all engineers in WA
- Engineering achievement (Young engineer) -Open to all engineers in WA who have not reached their 40th birthday by the closing date for nominations
- Engineering achievement (Graduate/ Cadet Engineer) -Open to all engineers in WA who have been employed for no more than 5 years after graduation, before the closing date for nominations)

There were seven (7) submissions short listed by the selection panel to assess suitability for awards. The individual submission was evaluated based on the following criteria:

- Originality of achievement
- Extent of Innovation in the achievement
- Value to the employing organisation
- Value to the community
- The environmental efficacy
- Significance or extent of the engineering challenge
- Demonstration of sound engineering science in both practice and principle
- How the submission compares with other submissions
- Extent of nominee's involvement

The selections of the winners were undertaken through a staged system. After all of the applications were received, a short list of candidates for each category was prepared and each of the candidates was then requested to submit a written statement addressing the selection criteria and a summary CV. Short listed applicants were then invited to make a 15 minutes presentation to the selection panel and other invitees. This was held at Curtin University, Perth on Saturday 14th July 2018.

The panel selected the winners of each category after considering both the written and oral presentations. The selection panel consisted of Professor Charitha Pattiaratchi, Professor of Coastal Oceanography, Leader, Australian National Facility for Ocean Gliders (ANFOG), Oceans Graduate School & The UWA Oceans Institute, University Of Western Australia (Chairman), Eng. Nimal Jayaratne and Eng. Remy Jayasekera and they were highly impressed by the high calibre of the applicants and their achievements.

The winners and awards were announced and presented at the IESLWA Chapter Engineers' Night – Dinner dance on Saturday 28th July 2018.

The Winners for the 3 categories are as follows:

I. Engineering achievement (Open)

- Winner: -
  - Eng. Narendranathan Nagamuttu - ***Application of geophysics in geotechnical engineering, Ground improvement methods for soft soil conditions and Application of Nano technology in ground stabilization going***
- Certificate of Commendation:-
  - Dr. Chandana Kulasuriya - ***Alkali Pozzol and Cement (APC), an alternative to ordinary Portland cement, which causes less adverse impact on the sustainability of the planet***
  - Associate Professor Sumedha Rajakaruna - ***Designing and building of a remotely deliverable innovative, renewable energy laboratory for testing and research at Curtin University***

II. Engineering achievement (Young engineer)

- Winner: -
  - Eng. Dhakshi Weerawardena – ***Outstanding young woman in resources - WA Chamber of Minerals and Energy***
- Certificate of Commendation:-
  - Eng. Suhith Lakshan Jaltotage – ***Alky water mitigation project at BP refinery Kwinana, Western Australia***

III. Engineering achievement (Graduate/ Cadet engineer)

- Winner: -
  - Dr. Diana Aroshanie Lamabadu – ***Dynamic analysis of a novel single phase generator using an improved machine model***
- Certificate of Commendation:-
  - Eng. Navin Welgama – ***Effects of drilling fluid properties on particle settling velocity using Particle Image Velocimetry (PIV)***



***Photo: Winner of young engineer category Eng. Dhakshi Weerawardena receiving award from Eng. Sarath Wijayapala***



***Photo: Winner of open projects category Eng. Narendranathan Nagamuttu receiving award from Eng. Nimal Jayaratne***

## **Engineers Night 2018**

IESLWA Engineer's Night 2018 was held on 28<sup>th</sup> July 2018 at The Mills Park Centre in Beckenham, Western Australia. This event was held in grand style marked the fourth anniversary of IESL WA Chapter and celebrated its achievements over the year 2017/18. This event was well attended by over 290 engineering community from WA Industry and academia.

The keynote address delivered by chief guest Eng. Gerhard Veldsman, Executive General Manager - Pilbara Operations, Fortescue Metals Group on the topic "The only certainty in the life of an engineer is change". The other invitees were Mr. Rosh Jalagge, Honorary Consul of Sri Lanka in Western Australia and his partner, President of Engineers Australia (WA Division) James Westcott and his wife, General Manager Engineers Australia (WA Division) Mrs. Susan Kreemer Pickford and her partner, Eng. Sarath Wijayapala, Chair, IESL NSW Chapter and his wife, Eng. Jayantha Wickramatunga, President Queensland Chapter-IESL and his wife.

The Engineering Achievement award presentation was among the key features of the event.

Protective Coating Division of International Paint - Akzo Nobel Pvt Ltd was the prime sponsor of the event with co-sponsors being Roshana Group Of Companies, Nu Dream Homes and Taxcount Tax Accountants while more than 15 other organisers and businesses provided sponsorship to Engineer's Night 2018.



***Photo: Chief Guest and Invitees from IESL Australian Chapters, Engineers Australia and Past Presidents of IESL WA with Honorary Consular of Sri Lanka for Western Australia are attending traditional oil lamp lightening during IESLWA Engineer's Night 2018***



***Photo: Eng. Mithra Mudiyansele, President - WA Chapter, IESL delivering welcome address during its 4th Anniversary celebrations in Perth.***



***Photo: Participants of IESLWA Engineer's Night 2018.***

## **5. Regional Corporation**

All three Australian Chapters are now working closely in a cohesive and collaborative environment aiming to establish a consistent and uniform governance framework for Overseas Chapters. In this journey, WA Chapter jointly with NSW chapter has played a vital role and the support to streamline operation of QLD Chapter which was established a year ago. NSW, WA and QLD are working closely on matters of common interest and having a unified voice with IESL headquarters in Colombo which provides us the strength in taking up important matters for resolution. We have regularly participated in quarterly regional chapter meetings conducted by IESL headquarters, well maintained the relationship with the secretariat CEO Eng. Neil Abeysekera and President Prof Niranjani Rathnayake during the year 2017/18.

(Reported by Eng. Mithra Mudiyanse, President – WA Chapter, IESL)

## **IESL Queensland Chapter**

The Queensland Chapter has progressed well at a steady and consistent pace to date since its inception on 9 December 2016. We have now established a good governance framework, developed a state of the art ICT platform and a sound financial base. We held the first AGM on 17 June 2018 wherein I was re-elected as the President of the Queensland Chapter for a second term. The following is the full Committee that was elected for the second year of operations.

- **Management Committee**



**Seated L to R:** Eng Asoka Tittagala (Editor), Dr Sharmil Markar (Vice President), Eng Jayantha Wickramatunga (President), Eng Ajith Wickramaratne (Secretary), Eng Nimal Pushpa Kumara (Treasurer)

**Standing L to R:** Eng Jerome Arunakumar (Committee Member), Dr (Mrs) Wasanthi Wickramasinghe (Committee Member), Dr Abdul M Ziyath (Committee Member), Eng Mangala Sooriaarachchige (Committee Member)

**Absent:** Dr Kesawan Sivakumar (Committee Member)

- **Sub Committees**

Five sub committees were established for the new term. These are namely the Technical, Membership, Social, Information and Communication Technology (ICT) and the Editorial Board. They are now functional under powers delegated by the MC.

## ACTIVITIES DURING 2017/2018

It is a pleasure to report that eleven management committee meetings were held during the past 12 months (from October 2017 to September 2018). The following is a summary of achievements we have successfully managed in that period:

### (1) Mission and Vision Statements

A task of primary importance we have completed last year was the formulation of Vision and Mission Statements for the Chapter. The Chapter Vision Statement is the same as that of the IESL. Hence our Vision reads as follows:

*“Be amongst the leading professional institutions in engineering and technology in the world”.*

With the approval of the IESL we have established the following Mission Statement for the Queensland Chapter:

*“To connect with, educate, empower and enhance the skills of our members and fellow engineers to develop and deliver solutions to real world challenges nurtured by our unique Queensland experience while upholding the overarching objectives and values of the IESL”.*

### (2) Continuing Professional Development (CPD) Activities

The Technical Sub Committee planned and successfully delivered two CPD events in the past 12 months. This is in addition to the two other CPD Events conducted previously. Each event was well patronised by Engineers living in and around Brisbane and also afforded an opportunity for peers to network and socialise. The events were held at Brisbane City Council Library Meeting Room at Mount Ommaney, Brisbane.

The summary of these CPD events is as follows:

*2.1 First event for the year was held on 25 February 2018. The topic was “A Journey through time to the future for Civil and Structural Engineering”*

Presenter: Adjunct Professor Nimal J Perera, Queensland University of Technology, Brisbane.

Nimal is the Principal Consultant and Proprietor of Kasina Consultants, Brisbane who has vast international experience spanning Australia, United Kingdom, Indonesia, Malaysia, Thailand, Sri Lanka, Nigeria, Trinidad, UAE, Saudi Arabia, Kuwait, Brazil and Kazakhstan.

Nimal elaborated on the development of engineering technology during the second half of the 20th century through to the 21st century with examples of iconic structures that shaped the urban landscape of major cities of the world. He used the rapid development and integration of science, technology, engineering and mathematics and its influence on design and construction of sustainable urban habitats as lens to peak into the future of civil and structural engineering.



*2.2 Second event for the year was held on 27 May 2018. The topic was “Basic Financial Accounting for Engineers”*

Presenter: Dr Gemunu Nanayakkara

Gemunu is a Corporate Member of the IESL, holds professional qualifications in both Engineering and Accountancy and has over 20 years of industry experience in fields ranging from Engineering to Management, Finance, Accounting and Development Banking. He has been lecturing Management Accounting and Business related courses to both undergraduate and post graduate students for 17 years prior to his recent retirement from the Griffith University, Brisbane.

Gemunu elaborated about basic elements of key financial documents of a business such as Profit and Loss Statement, Balance Sheet and Cash flow. His focus was the need for Engineers to understand ‘big picture’ financial performance to improve the ‘bottom line’ of an organisation.



*2.3 The third CPD event will be held on 23 September 2018. The topic is “Cyber Threats and Mitigation Strategies”. The presenter is Associate Professor Vallipuram Muthukkumarasamy from Griffith University, Gold Coast.*

### **(3) Membership**

At present the membership count of the Chapter is 50 constituted as: 1 Fellow Member; 15 Members, 12 Associate Members and 22 Provisional Members. A membership drive has been launched by the Membership Sub Committee to attract engineers to the Chapter.

### **(4) Information and Communication Technology Projects**

The ICT Sub Committee has enhanced the Chapter website ([www: ieslqld.org](http://www.ieslqld.org)). It now contains past and proposed CPD events, social events and copies of past e-newsletters. We have included a link to the IESL website in the Queensland Chapter Website.

The ICT Sub Committee has diligently provided much needed IT support to deliver the newsletter electronically to engineers who have been registered in the Database. Also they are progressively archiving documents through Drop Box tool and looking to open up a Face Book page and LinkedIn Account in the near future.

### **(5) Newsletter**

The Editorial Board released two e-newsletters in the period. The issues were released in February 2018, and August 2018. The feedback from recipients is great. This is in addition to the two other e-newsletters issued previously. The next issue is expected to be released in December this year. The e-newsletter reaches more than 100 Sri Lankan engineers living in Queensland and is aimed at providing the membership with the engineering and economic outlook of Queensland, narratives on colleagues' achievements and progress of the Chapter with invitation to participate among an assortment of other useful content.

### **(6) Social Events**

The Social Sub Committee is planning the first social event of the Chapter to be held in November 2018. It is intended to be a networking event for Engineers and their families. The Chapter considers this as a good starting point before we organise a Convention in the future.

### **(7) Constitutional Amendments**

#### *7.1 Provisional Membership*

At a 'General Meeting' held on 5 November 2017, the members unanimously approved certain amendments in relation to the extension of the date of cessation of provisional membership from 8 December 2017 to 8 December 2019. These changes were formally approved by the IESL Council.

#### *7.2 Financial Year*

Members unanimously passed a resolution at the Annual General Meeting held on 17 June 2018 to change the Chapters' current financial year to 30 June.

### **(8) The Chapter President's Engagements**

#### *8.1 Representation at Annual Conventions in Australia*

New South Wales Chapter held their annual Convention in June this year and Western Australia Chapter had their Annual Convention in July this year. Both Chapters extended their invitations to the Queensland Chapter and I attended both events representing the Queensland Chapter.

This has strengthened the relationship between the IESL Australian chapters and we are working collaboratively and cohesively to deliver the best for the IESL and the engineering community.

### *8.2 Quarterly Skype Conference with the IESL*

As the President of Queensland Chapter, I participated in several Skype conferences chaired by the President IESL and attended one meeting in person in Colombo. Several important matters of mutual interest were discussed at these conferences. I briefed the IESL representatives (the IESL President & the CEO) and the representatives from Provincial & Overseas Chapters, on the progress of our Chapter as of the date of call.

## **(9) Achievements**

The Queensland Chapter is proud to highlight this unique honour bestowed upon its current President, Eng Jayantha Wickramatunga who won a prestigious Australia Day Achievement Award from the Queensland Department of Transport and Main Roads in 2018. He was thus honoured for his outstanding contribution towards making Australia a better place to live by devoting his knowledge, time and energy with unwavering commitment. The medal awarding ceremony was held in June 2018 in Brisbane.



(Jayantha Wickramatunga with his former General Manager (Program Development and Operation) of the Transport and Main Roads Department, Ms Amanda Yeates who presented the Medal to him recently)

The Director - General of the Department, Mr Neil Scales stated that “Jay’s (Jayantha’s) personal efforts have contributed to improving the life of Australians, helped new Sri Lankan migrants settle in Australia, helped under privileged people living overseas to improve their quality of life, guided younger children to become good Australian citizens, enhanced the engineering profession in Australia and brought communities together”.

This is an outstanding example reflective of the Sri Lankan engineers disseminating Sri Lanka values and establishing their presence in their work places and communities in Australia and bearing allegiance to their adopted countries as worthy and useful citizens.

#### **(10) Other**

The Chapter has designed and produced a Banner and it is now displayed at all public events organised by the Chapter.

#### **(11) Appreciation**

I sincerely thank the IESL President, Professor (Mrs) Niranjanie Ratnayake and Council for their favourable consideration and approvals granted and for the ongoing support to the Chapter. Our appreciation and gratitude are also extended to Eng Neil Abeysekera, CEO/Executive Secretary of IESL and his staff for their excellent ongoing support which we value a lot.

I wish Prof T M Pallewatte new IESL President and the Council the very best in the coming year.

**Eng Jayantha Wickramatunga**  
(MBA, BscEng, FIESri Lanka, FIEAust, CPEng, RPEQ, NER)  
President, IESL Queensland Chapter

## **IESL Qatar Chapter**

IESL Qatar chapter concluded another wonderful year and during the year Qatar Chapter conducted its 4<sup>th</sup> Annual General Meeting, three Continuous Professional Development activities and Annual family gathering Bowling event. Moreover, in order to promote the IESL activities and its brand name across Qatar, colorful Qatar Chapter T Shirt was unveiled. Also, for the third consecutive year, Qatar Chapter members have been guided to sit for B Paper exam which is scheduled in 9<sup>th</sup> September, 2018.

The summary of Qatar Chapter event and activities of the year-2018 are as follows:

### **1). Annual General Meeting-2017/2018**

The 4th Annual General Meeting of the Institution of Engineers Sri Lanka - Qatar Chapter was held at Oryx Rotana Hotel Doha, Qatar on 26th of January 2018.

The Sri Lankan Ambassador to Qatar Hon. A.S.P. Liyanage was the Chief Guest of the event while IESL President - Prof. Niranjanie Rathnayake was the Guest of Honour.

The event started with the welcome speech given by the Chairman of the Chapter - C.Eng Jagath Gunasekara. Event was graced by the speeches given by the Chief Guest and Guest of Honour followed by the technical presentations delivered by chapter engineers and also by invited specialized experts. Further the Audited financial statement for the past year was presented by Eng. Asoka Jayalath. The event was concluded by the vote of thanks given by chapter Vice Chairman Eng. Kamil Ariff followed by the fellowship and dinner and musical extravaganza.



### **IESL Qatar Chapter Office Bearers- 2017/2018.**

**Chairman** - C.Eng. Jagath Gunasekara

**Secretary** - Eng. Prasanna Janakasiri

**Vice Chairman** - Eng. Kamil Ariff

**Treasurer** - Eng. Mohamed Irfan

**Editor** - C.Eng. Nadeera Wijesinghe

**Assistant Secretary** - Eng. Eranda Tharindu

**Assistant Treasurer** - Eng. Chanaka

**Co-Editor** - Eng. Ranjith Gopalasingam

### **Committee Members -**

Eng. Asoka Jayalath

Eng. Amila Mapa

Eng. Henry Lambert

Eng. Upul Indrajith



## **2). Qatar Chapter- CDP Event-1 - Introduction to Sustainability and Relevance in Middle East**

IESL Qatar Chapter inauguration Continuous Professional Development (CPD) program titled “Introduction to Sustainability and Relevance in Middle East” hosted at Shalimar Darbar Auditorium, Doha, on 9<sup>th</sup> March, 2018, for the Professional Sri Lankan Engineers in the State of Qatar.

CPD event was conducted by Eng. Lakshmi Suryan, Principal Sustainability Consultant at Mott MacDonald Limited, Qatar. She is a Grade A registered Architect with 16 years of experience and considerable expertise in the development and implementation of sustainability assessment and rating systems.

During the CPD, Lakshmi explained in dept view of sustainability concepts, Green Building Design concepts and various sustainability rating system such as LEED (Leadership in Energy and Environmental Design) and GSAS (Global Sustainability Assessment System) which are being used in Qatar contemporary architectural projects.

The two- hour CPD event was attracting over 60 Professionals from Sri Lanka and India and Certificates were awarded to all Attendees.

## **Qatar Chapter- CDP Event-2: Contract Management and Claims**

Qatar Chapter conducted their 2<sup>nd</sup> CPD activity, titled “Contract Management and Claims” on 6<sup>th</sup> April, 2018 at Jupiter Hall, Radisson Blu Hotel, Doha, Qatar.

This CPD event was resourced by Dr. Shaun Crawley, Head of Contract and Claims- PORR Qatar Construction WLL. Dr. Shaun is a Chartered Quantity Surveyor with extensive experience in dispute resolution and related activities across wide diversity of Building and Civil Engineering Construction projects in Middle East, Far East Asia and Sub-Sahara Africa countries.

During the CPD, Dr. Shaun briefly discussed on various Conditions/Clauses of Contracts, Concurrence Delays, Liabilities, Extension of Time, and validation of Variation Orders under current government laws. Also, he explained on Estoppel in the absence of binding contracts, consequences of wrongful terminations, contract administrations and determination of disputes etc. Qatar Chapter engineers and other professionals such as Architects, Contractors, Lawyers and Quantity Surveyors attended this CPD event. Certificates were awarded to all attendees.

During the CPD event, Dr. Shaun Crawley unveiled Qatar Chapter T shirts, which was a noteworthy milestone of IESL Qatar Chapter and would definitely help to spread IESL brand name across the State of Qatar.

### **Qatar Chapter- CDP Event-3 - Latest Trends in Power System and Smart Grid Concepts in State of Qatar**

Qatar Chapter successfully conducted its 3<sup>rd</sup> Continuous Professional Development (CPD) program titled “Latest Trends in Power System and Smart Grid Concepts in Qatar” and the CPD event was hosted at Crowne Plaza Hotel, Business Park- Doha, on 27<sup>th</sup> April, 2018.

The CPD event was conducted by Dr. Abdul Hameed Pathiyil, Senior Engineer (Protection Design and Power System Analysis) at Qatar General Electricity and Water Corporation, known as Kahramaa.

During the presentation Dr. Hameed d explained Qatar power generation, transmission and distribution overviews. Also, with the Qatar vision of 2030, he explained how Qatar going to comply with sustainability in Power generation and future usage of renewable energy sources. Moreover, he explained IEC61850 communication and dual fiber optical communication based remote controlling Smart Grid concepts and Smart electricity/ water Meeting systems.

Qatar Chapter Engineers, Indian Engineering Society (Qatar Chapter) members and other professional engineers from India/ Lebanon who were currently working in Qatar attended this CPD event and eventually certificates were awarded to all attendees.

### **Qatar Chapter Annual Bowling Event**

Qatar Chapter hosted fun filled Bowling Game for engineers and their family members at the Qatar Bowling Centre on 4<sup>th</sup> May, 2018.

The event was organized to build cohesion and camaraderie among Qatar Chapter engineers and their family members and saw an attendance of over 90 members. The bowling tournament featured 15 teams, each of which comprised five players.

The highlight of the bowling event was the recognition of the top highest performing male and female participants who each received special gifts and in addition, the top three teams received special gifts. Chanaka Amarasighe became the highest male scores whist W.A. C De Silva became the highest female scorer.

The highest scorer’s team included Eranda, Upul, Geethananda and Chandrika



(Reported by Eng. Jagath Gunasekara, Chairman - IESL Qatar Chapter)

## **YOUNG MEMBERS SECTION (YMS) - 2017/2018**

### **INTRODUCTION**

The Young Members' Section (YMS) of IESL consists all the student members, all the corporate members below 35 years of age & all the non-corporate members below 35 years of age.

### **YMS EVENTS**

YMS committee with the guidance of the President IESL has launched many events this year.

1. YMS CSR Project in December 2017.
2. IESL Student Chapters
3. Field Visit
4. Techno Competitions
  - a. University of Ruhuna : CAD Eager
  - b. University of peradeniya : Spaghetti Bridge
  - c. University of Jaffna : TIC TAC TOE Robotic Competition
  - d. University of Moratuwa : Hackathon
  - e. University of South Eastern : Drone X competition
  - f. IESL- INSEE Concrete Mix Challenge
5. Meet the IESL President programme

#### **1. YMS CSR Project**

YMS CSR Project was held at Sri Wajira Early Childhood Development Centre, Ilukpitiya, Buttala on 1<sup>st</sup> & 2<sup>nd</sup> December 2017. Schooling items (school bags, bottles, lunch boxes & stationary items) and toys were distributed among children who are going to start schooling in 2018. Gift items & transportation were donated by YMS members.

#### **2. IESL Student Chapters**

YMS committee succeeded in installing IESL Student Chapters in Engineering Faculties at University of Peradeniya, University of Moratuwa, University of Ruhuna, Open University

of Sri Lanka, University of Jaffna, South Eastern University of Sri Lanka and University of Sri Jayawardenepura for the year 2017/2018.

UOSJP had a separate session for YMS during the induction ceremony.

### 3. Field Visit

YMS Committee together with the IESL student chapter, OUSL organized 02 field visit sessions on 16<sup>th</sup> November 2017 and 11<sup>th</sup> December 2017 to Lotus Tower.



### 4. Techno Competitions

YMS successfully conducted 07 competitions during Techno 2017. Awarding ceremonies were also held at the same venue. However, this year committee has planned to organize following competitions at Techno 2018.

- a. CAD Eager
- b. Spaghetti Bridge
- c. X-O Bots Robotic Competition
- d. Hackathon
- e. Sky of Icarus Drone competition
- f. IESL- INSEE Concrete Mix Challenge

Further, YMS will launch a new competition for undergraduates during Techno 2018. This competition will be organized by the OUSL & will be sponsored by Stafford Motors Ltd. Competition will be held during next session.



- a. IESL- INSEE Concrete Mix Challenge Launching Ceremony

YMS has joined hands with INSEE to organize this year's Concrete Mix Challenge. This is the 2<sup>nd</sup> time INSEE is joining with IESL on this scale of competition. Event launch was held successfully with the presence of President, Immediate Past President, Deputy Chairman (Techno 2018) and Management officials from INSEE at Ozo Colombo Hotel on 12<sup>th</sup> July 2018.

## **5. Meet the IESL President**

Meet the President session is also initiated by last year YMS team. This was initiated to meet and discuss the issues & ideas of undergraduates directly with the President, IESL. Meeting was convened by YMS and held at IESL with the participation of representatives of IESL Student Chapters.

Representatives of IESL Student Chapters presented their current progress and outline of their intended competitions at Techno 2018.

## **ACKNOWLEDGEMENT**

YMS committee would like to appreciate the support & guidance given by the President-IESL Eng.(Prof.) Niranjanie Ratnayake

Further, we would like to thank all the below well-wishers.

- President Elect Eng.(Prof.) T M Pallewatte
- Immediate Past President Eng. Jayavilal Meegoda
- Past Presidents
- IESL Council
- Sectional Committee Chairmen & committees
- Provincial Chapter Chairmen & committees
- Deans of the Faculties of Engineering
- IESL Liaison officers of the Faculties of Engineering
- IESL Members
- IESL Student Chapter Chairmen & committees
- CEO/ES (IESL), DES (Membership) & IESL secretariat

**Eng. Dayan Herath**

**Chairman**

**YMS Committee 2017/2018**

# **JUNIOR INVENTOR OF THE YEAR (JIY) COMMITTEE**

## **2017/2018**

### **INTRODUCTION**

The IESL has been conducting the Junior Inventor of the Year (JIY) competition continuously across the Island since 1980 with the intention of promoting creative and innovative thinking amongst school children in the age group of 12 – 19 years. Over the years, this annual competition has drawn much enthusiasm and interest not only among the participating students, but also among fellow students, teachers and parents particularly in the rural areas of the country.

Preliminary judging of the applicants is done at the provincial levels with the help of IESL Provincial Chapters. The applicants who are successful at provincial level are invited for the final judging which takes place in Colombo.

20 Nos of JIY winners will get the opportunity to showcase their inventions at the TECHNO exhibition.

Two of the best performing students of JIY competition will be successful in securing invitations to participate at the INTEL ISEF competition in United States. Intel ISEF is the world's largest pre-college science competition. JIY Winners have had the opportunity to participate in the INTEL ISEF Competition since year 2007 and have won fourteen international awards up to now with three of them having the unique distinction of a newly discovered minor planet being named after them.

### **Junior Inventor of the Year 2017/2018**

About 10,000 public and private schools were informed officially about the competition through Ministry of Education. The JIY competition regulations and applications were published in the following web sites: [www.iesl.lk](http://www.iesl.lk), [www.schoolnet.lk](http://www.schoolnet.lk), [www.nsf.lk](http://www.nsf.lk) and [www.intel.com/education](http://www.intel.com/education). The students were encouraged to apply for the competition through the web.

**Awareness programmes and workshops** were held for the teachers and the students in Wayamba, Central, Western, Northern, Southern, Sabaragamuwa and Uva provinces with the help of Provincial Chapters. Eng H D B P Herath – Chairman YMS, Eng D M D K Dissanayaka - Secretary JIY, Eng R M T O Rajapakshe & Eng. S A P C Siriwardane - Committee members addressed the students. The committee introduced interactive awareness programmes and workshops for this year and it was a fresh experience to the participants and committee members. The main purpose was to develop the innovative thinking of students.

The top ten inventions at Techno competition together with the ten finalists of the Science Research Project Competition of the NSF will compete at the Sri Lanka Science and Engineering Fair (SLSEF). SLSEF is a partnership between Intel, the Ministry of Education, the Institution of Engineers, Sri Lanka and the National Science Foundation. Winners at the SLSEF have the opportunity to be selected to proceed to the Intel International Science and Engineering Fair (Intel ISEF)

Intel ISEF is the largest pre-college science and engineering competition in the world, held annually in USA with prize money over US \$ 4 million. Around 1750 competitors participate in this competition from over 75 countries.

The products, which won awards at the JIY competition 2017 were developed at NERD centre and at Design Centre, University of Moratuwa with the help of our members. The winners were trained on the research based inventions at the Design Center, University of Moratuwa and on presentation skills by IESL toastmasters club.

**Sri Lanka Science & Engineering Fair (SLSEF)** jointly cooperate with The Ministry of Education, National Science Foundation (NSF), The Institution of Engineers, Sri Lanka (IESL) and Intel to promote their creativity and abilities among the younger generation with effect from 2007.



State Minister of Education, Hon. V. Radhakrishnan, Immediate Past President, “IESL” Eng. Jayavilal Meegoda, and Secretary, Ministry of Education Mr. Sunil Hettiarachchi, met with these winners of “SLSEF” at Ministry of Education before they travelled to United States.



**JIY winners 2017** namely Master Gajindu Kavinda Bandara & Master K Gimhan Wijayawardana from St Anthony's College, Kandy and Supun Sasipriya Silva from De Mazenod College, Kandana who secured top places in Sri Lanka Science & Engineering Fair (SLSEF), participated in the Intel ISEF 2018 at Pittsburg, Pennsylvania, USA. More than 1750 students representing more than seventy countries participated with around 1700 projects in this year's event. Intel Corporation fully sponsored the travelling expenses and lodging of Junior Inventors in USA. Master Gajindu Kavinda Bandara & Master K Gimhan Wijayawardana won the fourth award in the Embedded Systems category at the Grand Award Ceremony for their unique project titled *'Smart Walking Stick for Blind (Golden i)*. Further,

Master Rimal Induwara from Ananda National School, Chilaw won the fourth award in the Microbiology category at the Grand Award Ceremony. His research title was 'Isolation of a Potential Microbial Agent for Controlling Dengue Vector Mosquitoes in Sri Lanka'.

This was the 11<sup>th</sup> consecutive year that Sri Lankan students participated and showed their colors and talents at Intel ISEF. JIY students have the capability to win the world stage. This bears testimony to the leadership and capability of IESL in providing motivation to bring out the creative and innovative ideas of schoolchildren through the JIY Competition. This is the 14<sup>th</sup> occasion JIY winners have won recognition at an international level.

**Five IESL scholarships** were awarded to JIY 2017 winners at the IESL Induction and Graduation ceremony held at the BMICH on 24<sup>th</sup> August 2018.

**Provincial Competitions** of JIY 2018 were held at Galle, Trincomalee, Colombo, Kandy, Kurunegala, Rathnapura & Kilinochchi in June, July & August 2018. During the competitions, Eng. J Meegoda , Eng P Dhammika Dharmaratne, Eng.HDBP Herath & Mr Maduranga Karunajeewa made presentations on Intel ISEF and the eligibility criteria for ISEF 2019, which is to be held in Phoenix, Arizona USA in May 2019.

**Final JIY competition** was held on 24<sup>th</sup> September 2018 at Wimalasurendra Auditorium, IESL. Sixty nos. of inventions selected from preliminary competitions were evaluated at the final competition. Selected 20 nos. of JIY winners will display their inventions at TECHNO 2018, National Engineering & Technology Exhibition on 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup> October 2018.

**Eng. P Dhammika Dharmaratne**  
**Chairman**  
**JIY Committee 2017/2018**

## **Women Engineers' Forum**

The Committee organized following activities during the Session 2017 Aug/2018 Aug and eleven numbers of Executive Committee meetings were held.

### **1.0 Public Lectures**

- Public lecture on Meethotamulla Garbage Dump Failure and its Rehabilitation; lessons learnt by Dr. Mahesh Jayaweera was held on October 02, 2017. The event was very successful and the participation was around 80.
- Seminar on “Building Information Modelling using Autodesk Revit”, first calendar event of WEF 2018/2019 session held on May 25, 2018 at the Wimalasurendra Auditorium of IESL. Seminar was conducted by Eng. Anil Chauhan, Bachelor Degree holder in Mechanical Engineering from KC College of Engineering & IT (PTU), Nawanshahr (Punjab), who works as Technical Expert – Manufacturing at Vinsys IT services (I) Pvt. Ltd, India. The successful event was participated by 80 including Engineers and Architects.

All those other lectures were well attended.

### **2.0 Women Engineers' Day & Survey on Women in Engineering**

- The Women Engineers' Day held annually with the Annual General Meeting of the Women Engineers' Forum (WEF) of the IESL. Eng. (Ms.) Sri Widowathi, Country Director, Sri Lanka Resident Mission, Asian development Bank graced the occasion as Chief Guest on Tuesday, March 16, 2018 from 1530 hrs onwards at the Wimalasurendra Auditorium. The event was enlightened by the speech delivered on the topic of “ADB Perspective on Gender Equality and Women Empowerment”.
- Dr. Achela K. Fernando, Adjunct Senior Lecturer, Griffith School of Engineering Brisbane, Queensland, Australia as the Guest Speaker, presented the “Outcome of the Women Engineers' Survey”. A comprehensive E-Survey on Women in Engineering was launched by Dr. Achela K. Fernando in collaboration with WEF for the first time in Sri Lanka in order to identify issues related to gender in the carrier of women engineers. The E-Survey was open to all female members of the IESL during May 08, 2017 to July 16, 2017. According to the outcome of the

E-survey 437 members had responded and the factual information gathered from this E-Survey.

- Eng. (Prof.) Mrs. Rathnayake, President of IESL, addressed the gathering with recent statistics of recent female intake of the Engineering faculty, University of Moratuwa comparing the past statistics. The AGM of the WEF followed thereafter. Approximately 300 woman engineer members of the IESL participated the event.



### **3.0 Field Visits**

- As a result of the positive response received for the field visit to the Colombo Port which was held on November 22, 2016, the second visit was also organized and held on February 19, 2018 in the view of providing an opportunity to visit the Colombo Port City for the membership. Even for the second time despite of the high demand for registration, WEF had to limit the number of participants to sixty due to the restrictions imposed by the Sri Lanka Ports Authority.
- Field visit to Water treatment plant at Ambatale of National Water Supply and Drainage Board (NWSDB) which was organized in the view of providing an opportunity for the membership to be educated regarding the Water Treatment Procedure was held successfully on July 12, 2018. This was well attended

### **4.0 Item to be worn by Women Engineers**

- As per the request by the IESL, a Saree broach to be worn by women engineers was newly designed by WEF and was manufactured by Sign Tech Pvt Ltd. WEF

committee decided to appreciate memorable contribution to the WEF rendered by the five Lady Engineers who were the past chair persons of WEF and past president of IESL, and decided that IESL "Saree Broach" should be first worn by them. WEF gifted them at the inauguration of IESL Annual Sessions 2017 at BMICH on the October 20, 2017.

## **5.0 Social Events**

- A Day Outing for Women Engineers was organised by WEF on the theme of "Team Building for Women Engineers" on November 18, 2017 at Pegasus Reef Hotel, Wattala. The well organised event was held successfully with the participation of 40 Women Engineers. All the participants were delighted with the flow of the event and as per the views and comments it was decided to hold this event on annual basis.

The Executive Committee of WEF wishes to thank the President IESL, President (Elect), IESL Executive Secretary, Deputy Executive Secretary, Advisory Committee Members of WEF, Staff of the IESL Secretariat and the Members of the Women Engineers' Forum for their co-operation and assistance during the Session.

**Eng. (Ms) Shyama Gunawardena**  
**Chairperson**  
**WOMEN ENGINEERS' FORUM**

# **ANNUAL GENERAL MEETING - 2017/2018**

## **OCTOBER 27, 2018**

To : All Corporate Members,

Our Ref : IESL/ES/Co/010

The Annual General Meeting of the Institution of Engineers Sri Lanka is scheduled to be held on **Saturday – October 27, 2018 at 9.00 a.m. at ‘Nugasevana’, BMICH, Colombo 7.**

Honorary Secretary  
The Institution of Engineers, Sri Lanka

### **A G E N D A**

- 9.00 a.m. - Reading the notice convening the meeting
- 9.05 a.m. - Observing two minutes silence in memory of members, who passed away during the Session 2017/2018.
- 9.10 a.m. - Confirm the Minutes of Annual General Meeting (AGM) held on October 28, 2017
- 9.15 a.m. - Business arising from the Minutes of the AGM 2017
- 9.45 a.m. - Receive the Report on the Elections to Council for Session 2018/2019
- 10.00 a.m. - TEA
- 10.30 a.m. - Appointment of members to the By-Laws Revision Committee
- 10.40 a.m. - Receive and deliberate upon the Report of the Council - 2017/2018
- 11.10 a.m. - Receive and adopt the Annual Statement of Accounts for the period 1<sup>st</sup> January 2017 to 31<sup>st</sup> December 2017
- 11.25 a.m. - Appointment of an Auditor
- 11.30 a.m. - i. Consider Resolutions duly proposed by the Council  
ii. Consider Resolutions duly proposed by Corporate Members
- 12.30 p.m. - Address by the outgoing President for the Session 2017/2018
- 12.50 p.m. - Induction of the President for the Session 2018/2019
- 01.10 p.m. - Address by the President for the Session 2018/2019
- 01.30 p.m. - End

## **INSTITUTION OF ENGINEERS, SRI LANKA**

### **Minutes of the 111<sup>th</sup> Annual General Meeting**

The One hundred and eleventh Annual General meeting of the Institution of Engineers, Sri Lanka was held on Saturday, October 28 2017 at Nugasevana hall of the BMICH, Colombo 07. AGM proceedings commenced at 9.00 am, with Eng. Jayavilal Meegoda, President in the Chair.

#### **1. The notice convening the One hundred and eleventh Annual General Meeting**

President welcomed all members to 111<sup>th</sup> meeting and requested Honorary Secretary to read out the notice convening the meeting. The agenda of 111<sup>th</sup> AGM was as stated below.

#### **AGENDA**

1. 9.00 am Reading the notice Convening the meeting
2. 9.05 am Observing two minutes silence in memory of members, who passed away During the session 2016/2017.
3. 9.10 am Confirm the minutes of Annual General meeting (AGM) held on 22<sup>nd</sup> October 2016 AND of the adjourned AGM held on 7<sup>th</sup> December 2016
4. 9.15 am Business arising from the minutes of the AGM 2016.
5. 9.45 am Receive the report on the election to the council 2017/2018.
6. 10.00 am Tea
7. 10.30 am Appointment Of members to the by-laws revision Committee.
8. 10.40 am Receive and deliberate upon the Report of the council 2016/2017
9. 11.10 am Receive and adopt the annual statement of accounts for the period from 1<sup>st</sup> January 2016 to 31<sup>st</sup> December 2016
10. 11.25am Appointment of an auditor
11. 11.30 am (i) Consider resolutions duly proposed by council  
(ii) Consider resolutions duly proposed by corporate members
12. 12.30 pm Address by the outgoing President for the session 2016/2017
13. 12.50 pm Induction of the President for the session 2017/2018
14. 01.10 pm Address by the President for the session 2017/2018
15. 01.30 pm End

#### **2. Members who passed away during the session 2016/2017.**

The house observed two minutes silence in memory of the following members who had passed away during the session 2016/2017.

Eng. S.Chandrapalan	M-1920
Eng. N.A.L. Cooray	HLM-359
Eng. W.A.F. Fonseka	HLF-642
Eng. H.G. Tilakarathna	F-960

Eng.(Ms) H. Damayanthi	M-3272
Eng. G.F.P. Withane	F-353
Eng. George Perera	F-773
Eng. D.L.D.K. Wijewardena	F-473
Eng. D.L. Mudalige	HLF-376
Eng. H.E.G.F. De Silva	F-421
Eng. D.A.M.Dharmarathna	M-335
Eng. V.Navaratnarajah	HLM-113
Eng. Nimal Rajapaksha	F-888
Eng. K. Ariyananda	M-645
Eng. K. Suntheralingam	F-504

**3. Confirmation of the Minutes of the 110<sup>th</sup> Annual General Meeting (AGM) held on October 22, 2016 & Adjourned AGM held on December 7, 2016**

The President informed the house that the minutes of the 110<sup>th</sup> Annual General Meeting (AGM) 2015/2016 held on 22<sup>nd</sup> October 2016 and adjourned AGM held on 7<sup>th</sup> December 2016 are available in the transactions and same been circulated among members.

Eng. Priyal De Silva proposed and Eng. (Prof) Ananda Jayawardena seconded that the minutes of the 110<sup>th</sup> AGM held on 22<sup>nd</sup> October 2016 and that of adjourned AGM held on 7<sup>th</sup> December 2016 be adopted.

**4. Business arising from the minutes of the AGM 2016**

Eng. BRO Fernando quoting the recorded minutes on page 191, stated that regrettably, despite being recorded, even in this year's report the Report of Board of Trustees and that of the Insurance Scheme (NITF) had not been included. He questioned why secretariat had not taken any interest to collect these reports. President responding stated reports of Benevolent Fund, report of Board of Trustees and the report of The Insurance Scheme will be circulated separately.

Eng Priyal de Silva stated that reports of certain standing committees had not been included in the report, particularly the report of the FPC. Eng Chula De Silva too, endorsed the same. President agreed to circulate the FPC report as separate document either via e-mail or by post. Eng Arjuna Manamperi stated that the PSMC had presented a very good report.

**5. Report on the election to the Council for the session 2017/2018.**

The following were the Returning Officers for the election for the Session 2017/2018.

Eng. Madhawa Perera – Chief Returning Officer  
Eng. M K Hapuarachchi - Assistant Returning Officer  
Eng. M D S Wijayabandara – Assistant Returning Officer

Eng.(Prof.) Mrs. N Ratnayake will be the President for the Session 2017/2018, having been elected as President-Elect at the elections held for the Session 2016/2017.

The notice calling nominations for all posts to be vacant in the Council for the Session 2017/2018 was issued on June 15, 2017 with the deadline for receiving nominations set at 4.00 p.m. on July 6, 2017.

The following were elected uncontested:

Chairman – Agri & Plant. Eng. Sect. Committee	- Eng. T M R Dissanayake
Chairman – Mechanical Eng. Sect. Comm.	- Eng. K A B Pathirathna

No valid nominations were received for the following post, which shall be filled as per By Law 52(b).

Chairman, Chemical & Process Engineering Sectional Committee

The following three (3) Fellows representing Class of Fellows will continue in the Council till the end of their term of office:

1. Eng. K P I U Dharmapala
2. Eng. M K Hapuarachchi
3. Eng.(Prof.) T M Pallewatta

The following five (5) Members representing the Class of Members will continue in the Council till the end of their terms of office.

- |                              |                |
|------------------------------|----------------|
| 1. Eng. Dhammika Dharmaratne | (Above 40 yrs) |
| 2. Eng. M D S Wijayabandara  | (Above 40 yrs) |
| 3. Eng. P A Samira Anuradha  | (Below 40 yrs) |
| 4. Eng. H D B P Herath       | (Below 40 yrs) |
| 5. Eng. S A P C Siriwardana  | (Below 40 yrs) |

The Election was held for the following posts:

President-Elect  
Past President  
Vice Presidents  
Honorary Secretary  
Honorary Treasurer  
Chairman, Building Services Engineering Sectional Committees  
Chairman, Civil Engineering Sectional Committee  
Chairman, Electrical & Electronic Engineering Sectional Committee  
Chairman, IT & Communication Engineering Sectional Committee  
Representatives – Fellows  
Representatives – Members (Above 40)  
Representatives - Members (Below 40)

Voting for Elections to the Council 2017/2018 commenced on the 28<sup>th</sup> August 2017 with the posting of election material, and was closed with the sealing of the ballot box on October 3, 2017 at 2.00 p.m. The Counting commenced on October 4, 2017.

The Results were as follows:-

Vacancies	Post of President-Elect	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng. Dr. Kamal Laksiri	727	356	1083	
	Eng. Prof. T M Pallewatta	706	431	1137	Elected

Vacancies	Post of Past President	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng. B R O Fernando	508	224	732	
	Eng. Dr. Ananda Ranasinghe	839	516	1355	Elected

Vacancies	Posts of Vice Presidents	Paper Votes	E-Votes	Total No. of Votes	Remarks
3	Eng. Dharmapala – K P I U	714	296	1010	Elected
	Eng. I R P Gunatilaka	438	210	648	
	Eng. Granie R Jayalath	666	359	1025	Elected
	Eng. Kosala Kamburadeniya	505	302	807	
	Eng. Arjuna Manamperi	772	474	1246	Elected
	Eng. Ranjith G Rubasinghe	313	177	490	

Vacancies	Post of Honorary Secretary	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng. Mangala Silva	590	305	895	Elected
	Eng. Asantha Sumanarathna	247	100	347	
	Eng. H C J Thilakarathne	490	308	798	

Vacancies	Post of Honorary Treasurer	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng. R C Dassanayaka	577	362	939	
	Eng. M G Hemachandra	658	311	969	Elected

Vacancies	Post of Chairman, Building Services Engineering Sectional Committee	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng. Samantha Gunawardana	660	346	1006	Elected
	Eng. Bandula Karunaratna	395	226	621	

Vacancies	Post of Chairman, Civil Engineering Sectional Committee	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng. Tissa De Silva	179	87	266	
	Eng. Lalith Pallegama	602	420	1022	Elected
	Eng. Niyas A Samad	520	182	702	

Vacancies	Post of Chairman, Electrical & Electronic Eng. Sectional Committee	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng. M Musthaffa Aliyar	189	66	255	
	Eng. P Chulani Perera	679	295	974	Elected
	Eng. Wininda Kith Piyaarathna	380	318	698	

Vacancies	Post of Chairman, IT & Communication Eng. Sectional Committee	Paper Votes	E-Votes	Total No. of Votes	Remarks
1	Eng.(Lt.Col) Dr. Chandana Gamage	576	385	961	Elected
	Eng. Shaheed Musthalie	98	53	151	
	Eng. P B M Wijayasantha	574	245	819	

Vacancies	Posts of Representatives – Fellows	Paper Votes	E-Votes	Total No. of Votes	Remarks
3	Eng. A P Ranjith De Silva	448	251	699	Elected
	Eng. Prof. D A R Dolage	612	338	950	Elected
	Eng. Capt. Nalaka Gunasinghe	124	51	175	
	Eng. Prabodha Jinasena	458	215	673	Elected
	Eng. D T Rajasekaran	252	136	388	
	Eng. P W Sarath	399	217	616	
	Eng. Kirthi Sri Senanayake	139	62	201	
	Eng. P Thangamayil	362	138	500	
	Eng. Indika Walpitage	249	160	409	
	Eng. Anura Wijayapala	347	221	568	
	Eng. Nihal Wijeyewickrema	395	247	642	

Vacancies	Posts of Representatives – Members (Above 40)	Paper Votes	E-Votes	Total No. of Votes	Remarks
3	Eng. Suran Fernando	444	288	732	
	Eng. Prof. J P Karunadasa	585	305	890	Elected
	Eng. Dr. Jagath Manatunge	458	276	734	Elected
	Eng. Manjula Samarasinghe	401	236	637	
	Eng. T M Sarath K Tilakaratna	325	184	509	
	Eng. Major Nishsanka Wasalabandara	388	157	545	
	Eng. T G Weerasinghe	762	363	1125	Elected

Vacancies	Posts of Representatives – Members (Below 40)	Paper Votes	E-Votes	Total No. of Votes	Remarks
2	Eng. D M Dinesh K Dissanayaka	228	111	339	
	Eng. Chamil Edirimuni	375	262	637	Elected
	Eng. Z T M Fazli	187	104	291	
	Eng. Madhawa Herath	341	176	517	
	Eng. Dimuthu Lakmal	382	234	616	Elected
	Eng. Dileepa Lathsara	74	57	131	
	Eng. Anura Mutunayake	135	98	233	
	Eng. Samudaya Nanayakkara	181	111	292	
	Eng. Prasanna Narangoda	328	139	467	

Eng.(Prof.) T M Pallewatta and Eng. K P I U Dharmapala resigned from their posts to contest for Council elections 2017/2018.

Eng. BRO Fernando stated that overseas members particularly those in Australia either had not received the ballot papers on time or else not received them at all. Eng. Ruwan Bandara emphasized the importance of abiding by the code of ethics by all members. Eng. Priyal De Silva requested, at the first place to correct all the e-mail IDs of membership and arrange to send UNs and PWs via e-mail at the next election. Eng. Shavi Fernando regrettably stated that the whole methodology adopted was erroneous, so requested to adopt a foolproof approach using digital signatures as credentials at the forthcoming election.

CRO, Eng. Madhawa Perera stated that he had submitted the report over the election and requested the new council to take up the recommendations stated therein. President stated that the new council would appoint a disciplinary committee to take up the recommendations stated in the CRO's report.

#### **6. Appointment of members to the By-Laws Revision Committee**

The House nominated following members to the By-Laws Revision Committee of the session 2017/2018

- i. Eng. P Thangamayil  
[Proposed by Eng. Wasalabandara seconded by Eng. Chula De Silva]
- ii. Eng. PW Sarath  
[Proposed by Eng. Manjula Samarasinghe seconded by Eng. Ruwan Bandara]
- iii. Eng. Suran Fernando  
[Proposed by Eng. Upul Kumara seconded by Eng. Lalith Pallegama]

- iv. Eng. Upul Kumara  
[Proposed by Eng. D.H.A.Tharanga seconded by Eng. Dinesh Dissanayaka]
- v. Eng. RC Dasanayake  
[Proposed by Eng. Chanil Edirimuni seconded by Eng. Chathura Gunawardhana]
- ~~vi. Eng. Rohan Fernando  
[Proposed by Eng. Warapitiya seconded by Eng. D.H.A.Tharanga]~~
- ~~vii. Eng. Tilak De Silva  
[Proposed by Eng. Upul Kumara seconded by Eng. Nihal Wijewickrama]~~
- ~~viii. Eng. Kosala Kaburadeniya  
[Proposed by Eng. Praboda Jinasena seconded by Eng. (Ms)Sharma Gunawardhana]~~
- ix. Eng. Manjula Samarasinghe  
[Proposed by Eng. Prasad Goonawardana seconded by Eng. Dinesh Dissanayake]
- x. Eng. Indika Walpitage  
[Proposed by Eng. (Dr) Chandana Gamage seconded by Eng. Ruwan Bandara]
- xi. Eng.(Dr) Jayanatha Ranatunga  
[Proposed by Eng. Anuradha seconded by Eng. Upul Kumara]

Those who were not physically available at the time vote is taken were struck off, i.e., (vi), (vii) & (viii). President stated as per the by-laws only six (6) members can be elected at the AGM and six (6) members from the new council. It was decided to proceed on for a vote as eight (08) names had been duly proposed and seconded by the house for the by-laws revision committee. The voting was administrated by a team of auditors and accordingly following members were elected based on the number of preferences taken.

- i. Eng. (Dr.) Jayantha Ranatunga (131 votes - elected )
- ii. Eng. P Thangamyil (95 votes-elected)
- iii. Eng. P W Sarath (95 votes-elected)
- iv. Eng. Indika Walpitage (93 votes-elected)
- v. Eng. Manjula Samarasinghe (76 votes-elected)
- vi. Eng. Suran Fernando (68 votes-elected)

**7. Receiving and deliberating upon the Report of the Council and status of the Institution for the session 2016/2017**

Eng. BRO Fernando highlighting few errors in the report of the council requested to check the draft report prior to sending the same for printing.

**8. Receiving and adopting annual statement of accounts for the period Jan 01<sup>st</sup> 2015 to Dec 31<sup>st</sup> 2015**

Eng. BRO Fernando proposed and Eng. (Prof.) A KW Jayawardane seconded that the statement of accounts are in order.

**9. Appointment of an Auditor for the session 2017/2018**

President announced that M/s Ernst & Young would be the auditor for the financial year 2017/2018

## 10. Resolutions duly proposed by the Council

### Resolution 1

Followed with an objection raised by Eng. LW Senevirathne, the resolution had the following correction, as proposed by Eng. Chula De Silva and seconded by Eng. (Prof) KKYW Perera.

This house resolves that the existing by law 86.b as stated below be amended to read it as indicated.

#### **Observations of the by-laws revision committee**

The by-laws revision committee recommended the amendment to the by-law 86.b. The amended by-law is in conformity with the rest of by-laws.

Existing By-law	Proposed By-law
<p>86.</p> <p>b. Any resolutions which are to be taken up at the Annual General Meeting must be received by the Secretary at least 42 days before such meeting except in the case of those relating to By-laws which must be received by the Secretary at least 90 days before the meeting. Resolutions relating to By-laws shall be passed on to By-laws Revision Committee by the Council to obtain its observations. These resolutions when presented to the general membership should accompany the observations of the By-laws Revision Committee.</p> <p>Resolutions shall be passed by a simple majority except in the case of those relating to By-laws which shall require a majority of two-thirds. There shall be at least 50 Corporate Members present at the time of voting.</p>	<p>86.</p> <p>b. Any resolutions which are to be taken up at the Annual General Meeting must be received by the Secretary at least 42 days before such meeting except in the case of those relating to By-laws which must be received by the Secretary at least 90 days before the meeting. Resolutions relating to By-laws shall be passed on to By-laws Revision Committee by the Council to obtain its observations. These resolutions when presented to the general membership should accompany the observations of the By-laws Revision Committee.</p> <p>Resolutions shall be passed by a simple majority except in the case of those relating to By-laws which shall require a majority of two-thirds. There shall be at least 50 Corporate Members present at the time of voting.</p> <p>“Two thirds majority <b>shall mean</b> that the number voting in favor is equal to or more than two thirds of the total number of eligible voters present in the house at the time of voting.”</p>

The corrected resolution was put to the house for discussion.

**The resolution adopted unanimously**

### **Resolution 2**

This house resolves that the existing bylaws 108,109,113 & 114 as stated below be amended to read as indicated below

#### **Observations of the by-laws revision committee**

The by-laws revision committee recommended the amendment to the by-laws 108,109, 113 & 114. The amended by-laws are in conformity with the rest of by-laws

#### **Observations of the Council**

Council agreed with the recommendations of the Board of Registration and By-Laws Revision Committee

<b>Existing By-law</b>	<b>Proposed By-law</b>
108 The Institution shall establish a Registration Board to regulate matters related therewith as well as the development of Professional Engineers.	108 The Institution shall establish a Registration Board to regulate matters related with and development of <b>International</b> Professional Engineers.,
109 The Registration Board shall be named as the Institution of Engineers, Sri Lanka Registration Board for Professional Engineers.	109 The Registration Board shall be named as the Institution of Engineers, Sri Lanka Registration Board for <b>International</b> Professional Engineers.
113 A corporate Member of The Institution, fulfilling the prescribed requirements of the board and having his name entered in the register at the order of the board, shall be called a professional Engineer and shall be entitled to use the abbreviations PE (Sri Lanka) after his or her name, and shall be able to use such insignia, emblems etc, as the Board may prescribe and award as long as his name is on the Register.	113 A corporate Member of The Institution, fulfilling the prescribed requirements of the board and having his name entered in the register at the order of the board, shall be called an <b>International</b> Professional Engineer and shall be entitled to use the abbreviations <b>IntPE (Sri Lanka)</b> after his or her name, and shall be able to use such insignia, emblems etc, as the Board may prescribe and award as long as his name is on the Register.
114 The Institution of Engineers, Sri Lanka Registration Board for Professional Engineers will cease to exist when the Sri Lanka Engineering Board is incorporated by Act of Parliament.	114 ...To be removed...

The resolution was put to the house for discussion.

**The resolution adopted unanimously**

### **Resolution 3**

At the 98<sup>th</sup> Annual General Meeting held in October 2004, it was resolved that a Subscription Review Committee of three Corporate Members be appointed by the President to study all matters pertaining to an increase in the annual subscription payable by various categories of members.

The Subscription Review Committee appointed this year had recommended to increase the subscription fees for the year 2018 for all categories by around 5%. The Council decided that student member rates will remain same as 2017 and it will remain at Rs.1000/-.

This House resolves to revise the subscription fees for the year 2018 as given below:

<b>Class of Membership</b>	<b>Existing Rates</b>	<b>Proposed Rates for the year 2018</b>
Fellow	6,500	6,900
Member	5,250	5,600
Associate Member	4,000	4,200
Associate	3,400	3,600
Companion	3,400	3,600
Affiliate	3,400	3,600
Student Member	1,000	1,000

Eng. (Dr.) Ananda Ranasinghe stated that subscription increase should not be done as a routine practice; there should be a burning need for such increases. Eng. Priyal De Silva too, endorsed the views of Eng. (Dr.) Ananda Ranasinghe. Both Eng. LW Seneviratne and Eng. Vipulananda opposed the resolution, quoting that the proposed increases are a burden for the membership. Eng. Shavindranath Fernando and Eng. Anuradha expressed their views in support of the proposal.

The resolution was put to the house for a vote. Resolution had four (4) against, 98 in favor and had no abstentions. **Accordingly, the house adopted the resolution.**

## **11. Resolutions duly proposed by corporate members**

### **Resolution 4**

**Proposer:** Eng. (Lt. Col.) Dr. C. D. Gamage (M-5744)

**Seconder:** Eng. Dr. C. R. De Silva (M-5751)

Resolution to change the name of the Information Technology & Communication Engineering Sectional Committee of the IESL (to amend By-Law 98(i) )

#### **Background to the Resolution**

The Institute of Engineers, Ceylon, Act, No. 17 of 1968 that incorporated IESL (and amended subsequently as Act, No. 3 of 1996), provides for the formation of Sectional

Committees to engage in learned society activities. In the Schedule of By-laws of the IESL, the By-law 98 specifies the presently approved sectional committees that are aligned to different areas of engineering specialization and practice. The engineering specialization of a professional engineer in Sri Lanka is mainly determined by the specialization of the bachelors degree in engineering obtained by the practitioner.

There are 7 state universities under the University Grants Commission (UGC) with engineering faculties offering bachelors honours degrees in engineering.

University of Peradeniya (UoP), Faculty of Engineering offers the Bachelor of Science (Special) in Engineering degree in 6 specializations of Chemical & Process Engineering, Civil Engineering, Computer Engineering, Electrical & Electronic Engineering, Mechanical Engineering, and Manufacturing & Industrial Engineering.

University of Sri Jayewardenepura (UoSJP), Faculty of Engineering has departments of study in 4 specializations as Civil Engineering, Computer Engineering, Electrical & Electronic Engineering, and Mechanical Engineering.

University of Moratuwa (UoM), Faculty of Engineering offers the Honours Degree of Bachelor of Science of Engineering degree in 9 specializations of Chemical & Process Engineering, Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronic & Telecommunication Engineering, Textile & Clothing Engineering, Earth Resources Engineering, Material Science & Engineering, and Mechanical Engineering.

University of Jaffna (UoJ), Faculty of Engineering has departments of study in 3 specializations as Civil Engineering, Computer Engineering, and Electrical & Electronics Engineering.

University of Ruhuna (UoR), Faculty of Engineering offers the Bachelor of Science of Engineering degree in 3 specializations of Electrical & Information Engineering, Mechanical & Manufacturing Engineering, and Civil & Environmental Engineering.

South Eastern University of Sri Lanka (SEUoSL), Faculty of Engineering has departments of study in 4 specializations as Civil Engineering, Computer Science & Engineering, Electrical & Telecommunication Engineering, and Mechanical Engineering

Open University of Sri Lanka (OUSL), Faculty of Engineering Technology offers the Bachelor of Technology Honours in Engineering degree in 7 specializations of Civil Engineering, Electrical Engineering, Electronic and Communication Engineering, Computer Engineering, Mechanical Engineering, Mechatronics Engineering, and Textile and Clothing Engineering.

In addition, the UGC recognized government university of KDU offers through its Faculty of Engineering the BSc Engineering Honours degree in 9 specializations of Aeronautical Engineering, Marine Engineering, Aircraft Maintenance Engineering, Biomedical Engineering, Mechatronic Engineering, Civil Engineering, Electrical &

Electronic Engineering, Electronic & Telecommunication Engineering, and Mechanical Engineering

In the private sector, among the UGC approved engineering degree programs, Faculty of Engineering of SLIIT offers the BSc Engineering Honours degree in 4 specializations as Civil Engineering, Electrical & Electronic Engineering, Materials Engineering, and Mechanical Engineering.

The IESL has 7 Engineering Sectional Committees in the disciplines of Agricultural and Plantation Engineering, Building Services Engineering, Civil Engineering, Chemical and Process Engineering, Electrical and Electronics Engineering, IT and Communication Engineering, and Mechanical Engineering to support the learned society activities of engineers in above specializations.

The table below is a summary of engineering specializations offered by the above listed engineering faculties for which IESL has a corresponding engineering sectional committee.

IESL	Civil	Electrical & Electronics	IT & Communication	Mechanical	Chemical & Process
UoP	CE	EEE	CompE	ME, MIE	CPE
UoSJP	CE	EEE	CompE	ME	
UoM	CE	EE, ETE, BME	CSE	ME	CPE
UoJ	CE	EEE	CompE		
UoR	CEE	EIE		MME	
SEUoSL	CE	ETE	CSE	ME	
OUSL	CE	EE, ECE	CE	ME, MTE	
SLIIT	CE	EEE		ME	
KDU	CE	EEE, ETE, BME		ME, MTE	

As evident from foregoing the main engineering specializations, as characterized by them being offered by most of the engineering faculties, have sectional committees that are clearly identifiable by their name except the Information Technology & Communication Engineering Sectional Committee.

This House resolves that the existing By-law 98(i) as given below be amended to read as indicated

Existing By-Law	Proposed By-Law
98. i. Sectional Committees shall be formed to engage in learned society activities, and for this purpose shall arrange Meetings, Seminars,	98. i. Sectional Committees shall be formed to engage in learned society activities, and for this purpose shall arrange Meetings, Seminars,

<p>Discussions, Visits and the like. For the present the Sections shall be</p> <ol style="list-style-type: none"> <li>Civil Engineering</li> <li>Mechanical Engineering</li> <li>Electrical &amp; Electronics Engineering</li> <li>Agricultural &amp; Plantation Engineering</li> <li>Chemical and Process Engineering</li> <li>Building Services Engineering</li> <li>Information Technology and Communication Engineering</li> </ol> <p>The Sections may be increased in number by the Council as and when it becomes necessary to do so, with approval of the House.</p> <p>Each Sectional Committee shall comprise a Chairman who shall be a Corporate Member, and representatives with 2 Fellows, 4 Members, 3 Associate Members, 3 Affiliate Members and 3 Companions and Associates.</p> <p>The Chairman, who will sit in Council, shall be elected by postal and/or electronic vote along with other Corporate Members of Council in accordance with By-Laws 51 to 56.</p> <p>The Chairman shall hold office for one Session. He shall not hold this office for more than three consecutive Sessions.</p> <p>Immediately after the new Council takes office, the Chairman of each Sectional Committee shall summon a General Meeting of all Corporate Members, Companions, Associate Members, Affiliate Members and Associates in the respective discipline. Such a meeting shall elect 2 Fellows, 4 Members, 3 Associate Members, 3 Affiliate Members and 3 for Companions and Associates to form the Committee for the ensuing Session.</p>	<p>Discussions, Visits and the like. For the present the Sections shall be</p> <ol style="list-style-type: none"> <li>Civil Engineering</li> <li>Mechanical Engineering</li> <li><b>Electrical, Electronics &amp; Communication Engineering</b></li> <li>Agricultural &amp; Plantation Engineering</li> <li>Chemical and Process Engineering</li> <li>Building Services Engineering</li> <li><b>Information Technology and Computer Engineering</b></li> </ol> <p>The Sections may be increased in number by the Council as and when it becomes necessary to do so, with approval of the House.</p> <p>Each Sectional Committee shall comprise a Chairman who shall be a Corporate Member, and representatives with 2 Fellows, 4 Members, 3 Associate Members, 3 Affiliate Members and 3 Companions and Associates.</p> <p>The Chairman, who will sit in Council, shall be elected by postal and/or electronic vote along with other Corporate Members of Council in accordance with By-Laws 51 to 56.</p> <p>The Chairman shall hold office for one Session. He shall not hold this office for more than three consecutive Sessions.</p> <p>Immediately after the new Council takes office, the Chairman of each Sectional Committee shall summon a General Meeting of all Corporate Members, Companions, Associate Members, Affiliate Members and Associates in the respective discipline. Such a meeting shall elect 2 Fellows, 4 Members, 3 Associate Members, 3 Affiliate Members and 3 for Companions and Associates to form the Committee for the ensuing Session.</p>
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Proposer Eng. (Dr.) C Gamage at the outset stated that the observations of the by-laws revision committee is incorrect in total. Honorary Secretary confirmed that a mistake had occurred in compiling the by-laws committee recommendations, and submitted the corrected version as stated below.

#### **Observations of the By-Laws Revision Committee**

The By-Laws Committee **accepted the name change and allowed the house to have deliberations and to arrive at a decision at the AGM.**

### **Comments of the Council**

The Council agrees with the recommendations of the By-Laws committee.

After having a very lengthy deliberation, the house decided to amend 98.i.c. to read as indicated above and this amended resolution was put to the house for a vote. Resolution had 109 in favor out of 161 present at the time the vote was taken. **Accordingly, the house adopted the resolution.**

### **Resolution 5**

Proposer: Eng. (Lt.Col.) Dr. C. D. Gamage (M-5744)

Seconder: Eng. Dr. C. R. De Silva (M-5751)

### **Resolution to improve the decision making capability of the IESL Council (to amend By-Law 44 & By-Law 49)**

#### **Background to the Resolution**

The Institute of Engineers, Ceylon, Act, No. 17 of 1968 that incorporated IESL (and amended subsequently as Act, No. 3 of 1996), places exceptionally high importance on the Past Presidents of the IESL in respect of the roles they are required to perform.

In the Schedule of By-laws of the IESL, the By-law 31 requires the Council of the IESL to "set up a Disciplinary Committee comprising three Fellows at least one of whom shall be a Past President." This Disciplinary Committee may investigate and report to the Council on any member including the Members of the Council except the President or the President Elect.

Furthermore, in the event of a disciplinary inquiry "against the President or the President Elect, all of the three members of the Disciplinary Committee shall be Past Presidents." Also, "the Council may select these three Past Presidents from outside the Panel selected at the beginning of the session."

Therefore, in every Council session, it is required to have four Past Presidents who are not actively engaged in the governing activities of the IESL through its Council.

In the Schedule of By-laws of the IESL, the By-law 43 states that the Officers of the Institution shall be (i) the President, (ii) the Immediate Past President, (iii) the President-Elect, (iv) the three Vice Presidents, (v) the Honorary Secretary, (vi) the Honorary Treasurer, and (vii) the Executive Secretary.

In the Schedule of By-laws of the IESL, the By-law 44 states that the Council shall consist of (i) The President, (ii) Two Past-Presidents, (iii) President – Elect, (iv) Three Vice-Presidents, (v) Honorary Secretary, (vi) Honorary Treasurer, (vii) Chairmen of Sectional Committees as per By-law 98, (viii) Six Fellows, and (ix) Ten Members of whom five shall be under 40 years of age at the time of closing of nominations for the election.

In the Schedule of By-laws of the IESL, the By-law 49 states that "One Past-President resident in Sri Lanka and continuing as a member of the Institution will be elected by the Corporate Membership as a member of the Council." It is noteworthy, that while "the Council is empowered to fill" the vacancy of the Immediate Past President by nominating another Past-President in the event the out-going President is unable to perform in the role, the Council is not compelled to do so.

When read together, By-laws 43, 44 and 49, requires one of the Past Presidents (other than the Immediate Past President) to be a member of the Council.

In the Schedule of By-laws of the IESL, the By-law 54 states that "the Council shall appoint a Past-President or a Fellow as a Returning Officer for the conduct of any voting by ballot" and "will be known as the Chief Returning Officer." As per By-law 48.b, a Past-President is ineligible to hold the office of the President of the institution more than once. Therefore, while it is allowed to appoint a Fellow as the Chief Returning Officer, the prudent course of action would be to appoint a Past President to the position.

In the Schedule of By-laws of the IESL, the By-law 106 provide the composition of the By-laws Revision Committee, which shall consist of 12 members with the President as Chairman and consisting of two Past Presidents, one Vice President in Council and two Fellows all nominated by the Council and 6 other Corporate Members elected by the membership at the Annual General Meeting. As is the custom, when the Immediate Past President is appointed as a member, one more Past President shall fill the remaining vacancy.

Therefore, the engagement of the Past Presidents in IESL Council as per the By-laws can be summarized as follows:

Committee	No of Past Presidents (not including IPP)	Active Engagement in Council Decision Making
Disciplinary Committee	1	No
Disciplinary Committee (special)	3	No
Council	1	Yes
Chief Returning Officer	1	No
By-laws Revision Committee	1	No

Form the foregoing, it can be seen that except for the Past President appointed to the Council, other positions restrict the Past Presidents to roles that are advisory in nature including certain amount of control in the maintenance of discipline and safeguarding the rules of the Institution.

The additional Past President in the Council breaks the above cast of roles by allowing a Past President to engage in Council decision making and possibly undermine the authority of the incumbent President. As the Immediate Past President is a Council Member and is intended to provide continuity in leadership, this additional Past President appointment to the Council provides no material

benefit. There are multitudes of Council Standing Committees in which Past Presidents can participate and contribute.

### **Resolution**

This House resolves that the existing By-law 44 and By-law 49 be amended.

(1) This House resolves that the existing By-law 44 as given below be amended to read as indicated.

Existing By-law	Proposed By-law
44. The Council shall consist of the following members : i. The President ii. Two Past-Presidents iii. President – Elect iv. Three Vice-Presidents v. Honorary Secretary vi. Honorary Treasurer vii. Chairmen of Sectional Committees as per By-Law 98. viii. Six Fellows ix. Ten Members of whom FIVE shall be under 40 years of age at the time of closing of nominations for the election.	44. The Council shall consist of the following members : i. The President ii. Immediate Past-President iii. President – Elect iv. Three Vice-Presidents v. Honorary Secretary vi. Honorary Treasurer vii. Chairmen of Sectional Committees as per By-Law 98. viii. Six Fellows ix. Ten Members of whom FIVE shall be under 40 years of age at the time of closing of nominations for the election.

(2) This House resolves that the existing By-law 49 as given below be amended to read as indicated.

Existing By-law	Proposed By-law
49. One Past-President resident in Sri Lanka and continuing as a member of the Institution will be elected by the Corporate Membership as a member of the Council. The out-going President shall be the other Past-President in Council, provided he is also resident in Sri Lanka and continues to be a member of the Institution. If for any reason the out-going President ceases to be a member of the Council or is unable to perform in Council, the Council is empowered to fill his vacancy by nominating another Past-President.	49. The out-going President shall be the Immediate Past-President in Council, provided he is resident in Sri Lanka and continues to be a member of the Institution. If for any reason the out-going President ceases to be a member of the Council or is unable to perform in Council, the Council is empowered to fill his vacancy by nominating another Past-President.

### **Observations of the By Laws Revision Committee**

The By Laws Revision Committee is of the opinion that a Past President being a senior member, plays the role of an advisor to the existing President and the Council on historical practices, procedures, actions adopted by the Institution thus subject matter to be considered empathetically. In this stance the committee recommends not to proceed with the resolution.

### **Comments of the Council**

The Council agreed with the observations of the By-Laws Revision Committee.

During the deliberations, Eng. Wasala Bandara, Eng. Mangala Yapa, Eng. Mangala Silva, Eng. (Prof.) AKW Jayawardana, Eng. Prasad Siriwardana, Eng. LW Senavirathna, Eng. Rohan Fernando, Eng. P Thangamyle, Eng. (Ms.) Baddra Jayaweera expressed views against the resolution. Eng. Priyal De Silva brought in a point of order and stated a vote could not be exercised because of a resolution adopted by in year 2015.

The resolution was put to the house for a vote. Resolution had **144 against** out of **163 present** at the time the vote was taken. **Accordingly, the house did not adopt the resolution.**

### **Resolution 6**

**Proposer:** Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder:** Eng. Dr. C. R. De Silva, M-5751

**This resolution was to establish a Board of Academic Administration for the IESL College of Engineering**

#### **Introduction**

The IESL College of Engineering (IESL CoE) is a wholly owned subsidiary of the IESL established under the Companies Act No 7 of 2007. Therefore, under the provisions of the said Act and the Articles of Association (AoA) of this private limited liability company, its governance is the sole responsibility of the duly appointed Board of Directors of IESL CoE. According to the AoA the company, the Board consists of the Officers of the Council of the IESL.

For the success of the IESL CoE, which has the vision to be the "Premier Higher Educational Institution in Engineering" in Sri Lanka justifying its name brand association with IESL and with the mission to "Achieve Enduring Excellence in Education and Research in Engineering", it is essential to attract the best analytically minded and innovation oriented young people to its undergraduate enrollment. Also, in furtherance of these objectives, it is essential to attract well qualified and experienced academics committed to raise the standards learning, teaching and research of IESL CoE.

However, the performance of the management of the IESL CoE in furthering these noble objectives has been severely underwhelming since its inception. Thus, it is incumbent upon the Council of the IESL as the single shareholder of IESL CoE to expeditiously take corrective action.

#### **A Historical Perspective on the Management of IESL CoE**

While the IESL CoE has performed poorly from an institutional management perspective, the establishment of the IESL CoE was spearheaded by Eng. Prof. AnandaJayawardane, a leading academic administrator in the country who has held

multiple terms as the Head of the Department of Civil Engineering, Head of the Department of Management of Technology, Dean of the Faculty of Engineering and the Vice Chancellor of the University of Moratuwa.

The seed for the plant that grew up to be the IESL CoE was a Council Paper authored by Prof. Jayawardane as the Chairman of the IESL Education and Training Committee titled the "Establishment of College of Engineering - Policy Paper" and dated 06<sup>th</sup> August 2008. His laudable efforts as the Chairman of the Education Committee and Vice President of IESL (2007-2009), President Elect of IESL (2009-2010), and President of IESL (2010-2011) guided the formation of IESL CoE with its incorporation as a private company on 13<sup>th</sup> October 2011.

The table below depicts the Board of Directors of the IESL CoE since its inception to-date.

	Session 2010/2011	Session 2011/2012	Session 2012/2013	Session 2013/2014	Session 2014/2015	Session 2015/2016	Session 2016/2017	Session 2016/2017 (updated)
<b>Ex-Officio (IESL Officers)</b>								
President	Eng Prof Ananda Jayawardane	Eng Brig Dr Ananda Ranasinghe	Eng Tilak De Silva	Eng Shavindranath Fernando	Eng Dr SB Wijekoon	Eng Wimalasena Gamage	Eng Jayavilal Meegoda	Eng Jayavilal Meegoda
Immediate Past President				Eng Tilak De Silva	Eng Shavindranath Fernando	Eng Dr SB Wijekoon	Eng Wimalasena Gamage	Eng Wimalasena Gamage
President Elect	Eng Brig Dr Ananda Ranasinghe	Eng Tilak De Silva	Eng Shavindranath Fernando	Eng Dr SB Wijekoon	Eng Wimalasena Gamage	Eng Jayavilal Meegoda	Eng Prof Niranjani Ratnayake	Eng Prof Niranjani Ratnayake
Executive Secretary	Eng Arundathi Wimalasuriya	Eng Arundathi Wimalasuriya	Eng Arundathi Wimalasuriya	Eng Arundathi Wimalasuriya	Eng Arundathi Wimalasuriya	Eng Dr Jagath Peiris	Eng Dr Jagath Peiris	Eng Neil Abeysekera
<b>Nominated (IESL Officers)</b>								
Vice President #1	Eng Savindranath Fernando	Eng Shavindranath Fernando				Eng Prof DAR Dolage	Eng Prof DAR Dolage	Eng Prof DAR Dolage
Vice President #2								Eng Prof SBS Abayakoon
Vice President #3								Eng Dr Kamal Laksiri
Hon Secretary								
Hon Treasurer								
<b>Nominated (Non IESL Officers)</b>								
Nominee	Eng Ranjith Gunawardana	Eng Ranjith Gunawardana	Eng Ranjith Gunawardana	Eng Ranjith Gunawardana				
Nominee	Eng Dr Mervin Gunasekara	Eng Dr Mervin Gunasekara	Eng Dr Mervin Gunasekara		Eng Dr Mervin Gunasekara			
Nominee	Eng Prof Lakshman Ratnayake	Eng Prof Lakshman Ratnayake	Eng Prof Lakshman Ratnayake		Eng Prof Lakshman Ratnayake	Eng Prof Lakshman Ratnayake	Eng Prof Lakshman Ratnayake	
Nominee				Eng Prof SBS Abayakoon				

Nominee			Eng Arjuna Manamperi					
Nominee				Eng Mangala Yapa	Eng Mangala Yapa	Eng Mangala Yapa		

As can be surmised from the above table, the perilous state of the institutional management from an academic perspective is not due to lack of top flight academic administration expertise in the Board of Directors of IESL CoE. From the very inception of IESL CoE, every year the Board of Directors had as its members leading academic administrators including Eng. Prof. Ananda Jayawardane, Eng. Prof. SBS Abayakoon, Eng. Dr. SB Wijekoon, Eng. Prof. DAR Dolage, and Eng. Prof. Lakshman Ratnayake. Prof. Ratnayake who was a member of the Board of Directors for 6 long years is a leading academic administrator in the country who has been the Head of the Department of Civil Engineering and the Dean of the Faculty of Engineering of the University of Moratuwa, Council Member of the University of Colombo, Project Director of the Ministry of Higher Education on major national level projects, and Chairman of SLIIT.

Therefore, notwithstanding all such expertise, the burdening of the Board of Directors of the IESL CoE with the task of institutional academic management may have led to this task not receiving its due focus and being handled solely by the CEO of the Company who as an administrative head of a private company is ill equipped to provide the required checks and balances in the important tasks of student recruitment, academic staff hiring and academic program development.

### **Resolution**

This house resolves that the Council of the IESL, as the sole representative of the single shareholder of IESL CoE, shall inform the Board of Directors of IESL CoE to appoint a Board of Academic Administration for the IESL College of Engineering with following Terms of Reference for its operation and Criteria for Selection and Appointment of Members to the Board of Academic Administration.

### **Terms of Reference for the Board of Academic Administration**

- (a) To oversee the process of Student Enrollment in accordance to a Minimum Achievement Standard as Entry Qualification Criteria to the IESL College of Engineering Study Programs. The responsibilities shall include making decisions on when to advertise for enrollment, how much to levy as fees, how many students to be recruited, who will set the selection test, who will moderate results, and who will set cut-off marks.
- (b) To oversee the process of Academic Staff Recruitment in accordance to a Minimum Qualifications Standard as Academic Staff Recruitment Criteria to the IESL College of Engineering. The responsibilities shall include making decisions on when to advertise for recruitment, how much to pay as remuneration, how many academic staff members to be recruited, and who will conduct the selection interview.
- (c) To oversee the process of Study Program Recognition, Accreditation and Institutional Development. The responsibilities shall include the preparation of

formal application for study program recognition by the IESL, study program accreditation by the International engineering Alliance(IEA) under the Washington Accord (WA), and study program/institution approval/recognition by the University Grants Commission (UGC).

#### **Criteria for Selection and Appointment of Members to the Board of Academic Administration**

- (a) Members of the Board be appointed from the Council Members from the current session of the Council of the IESL.
- (b) Members of the Board shall concurrently not be members of the Board of Directors of the IESL CoE.
- (c) Members of the Board shall not be engaged in any paid engagements with the IESL CoE.
- (d) The number of Members of the Board be a minimum of 5 members and not more than 7 members.
- (e) Council Members of the IESL shall be allowed to serve in more than one committee of the IESL CoE except its Board of Directors.
- (f) The Chairman of the Board to be elected by the Members of the Board themselves
- (g) The quorum for a properly constituted meeting of the Board to be any 3 members including the Chairman or the pro tem Chairman.
- (h) The Board shall be reappointed every year after the convening of the new Council.

#### **Comments of the Council**

The Council was of the opinion that roles of different academic boards should clearly be defined and be explained to the general membership

Proposer Eng. (Dr.) C. Gamage explained the house the background and the objective of the resolution. The house in general had views both in support and against for IESL having the educational arm, of its own, in this case IESLCOE. Eng. (Prof.) Ananda Jayawardane explained the house the history and initial objectives of having an educational arm for IESL. Eng. R. Gunawardana in response to the allegations leveled against him, submitted a lengthy explanation elaborating the ways and means the decisions were taken, since the inception of the IESLCOE.

Eventually the resolution was put to the house for a vote. Resolution had **95 against** and **06 in favor. Accordingly, the house did not adopt the resolution**

#### **Resolution 7**

**Proposer:** Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder:** Eng. Dr. C. R. De Silva, M-5751

This resolution to establish a **Minimum Achievement Standard as Entry Qualification Criteria to the IESL College of Engineering Study Programs**

## Introduction

The IESL College of Engineering (IESL CoE) is a wholly owned subsidiary of the IESL established under the Companies Act No 7 of 2007. Therefore, under the provisions of the said Act and the Articles of Association (AoA) of this private limited liability company, its governance is the sole responsibility of the duly appointed Board of Directors of IESL CoE. According to the AoA the company, the Board consists of the Officers of the Council of the IESL.

At present the Entry Qualification to the study programs of IESL CoE is a minimum of 3 Simple passes at G.C.E. Advanced Level (A/L) in Mathematics stream or its equivalent. It should be noted that this often cited minimum criteria of 3 Simple passes established by the State is to indicate a Pass in the overall G.C.E. A/L examination and is not an academic achievement established to determine entry to a specific program of study in the state university system.

The minimum entry qualifications to specific programs of study are published annually by the University Grants Commission (UGC), which is the sole authority for determining the entry conditions and criteria to state university system. This program-specific minimum entry criteria is indicated as the minimum "Z" score for selection to the indicated study program.

## Review of Minimum "Z" Score

The following table is based on the data available from the University Grants Commission for the University Admissions in Academic Year 2015/2016 based on the results of the G.C.E. (Advanced Level) Examination held in August 2015. This summary table shows the minimum "Z" scores for selection to Engineering, Physical Science and Applied Science (Physical Stream) Courses of Study of Universities.

University	Course Name	Min Z-score	District with Min Z-score
UoM	Engineering	1.9831	Ratnapura
UoP	Engineering	1.8504	Gampaha
UoR	Engineering	1.6603	Puttalam
UoSJP	Engineering	1.5810	Badulla
UoC	Physical Science	1.4417	Badulla
UoJ	Engineering	1.4079	Anuradhapura
UoP	Physical Science	1.3426	Galle
UoSJP	Physical Science	1.2525	Colombo
UoK	Physical Science	1.1812	Colombo
UoR	Physical Science	1.1129	Hambantota
SEUoSL	Engineering	1.0933	Mullaitivu
SUoSL	Applied Sciences (PHY.)	1.0822	Colombo
RUoSL	Applied Sciences (PHY.)	1.0312	Colombo

WUoSL	Applied Sciences (PHY.)	0.9294	Kurunegala
UoM-EM	Engineering (EM)	0.8313	Mullaitivu
UoM-TM	Engineering (TM)	0.6729	Mullaitivu
UoJ-VC	Applied Sciences (PHY.)	0.6633	Anuradhapura
UoJ	Physical Science	0.6415	Nuwaraeliya
EUSL	Physical Science	0.5301	Nuwaraeliya
EUSL-TC	Applied Sciences (PHY.)	0.3206	Mullaitivu
SEUoSL	Physical Science	0.0123	Mullaitivu

As shown in the table, the lowest minimum Z-score for engineering degree program (non-direct entry) is 1.0933 for South Eastern University of Sri Lanka in Oluvil from the disadvantaged district of Mullaitivu.

The lowest minimum Z-score for any Engineering degree program is 0.6729 for Earth Resources Engineering (EM) of University of Moratuwa from the disadvantaged district of Mullaitivu, which is a direct entry intake.

It is pertinent to note that both of the direct entry engineering intake programs of University of Moratuwa; respectively, Earth Resources Engineering (EM) and Textile & Clothing Technology (TM) require minimum Z-scores that are much lower than physical science and applied science courses at other universities. Also, both the minimum Z-scores are from the disadvantaged district of Mullaitivu.

#### **Requirement for a Minimum Achievement Standard**

The above analysis clearly indicate that the effective minimum Z-score for a degree program at a state university in the physical science stream to be 0.9294 for a "normal" candidate in Academic Year 2015/2016.

#### **Resolution**

This house resolves that the Council of the IESL, as the sole representative of the single shareholder of IESL CoE, shall inform the Board of Directors of IESL CoE to formulate a Minimum Achievement Standard as Entry Qualification Criteria to the IESL College of Engineering Study Programs with the Minimum Achievement Standard (MAS) having following salient features.

- (a) MAS be specified as a Minimum "Z" score.
- (b) MAS not be significantly lower to the "Z" scores of state university system engineering study programs offering course specializations that are similar to the IESL CoE study programs.
- (c) MAS be reviewed periodically every five (5) years, possibly in conjunction with the review of the IESL CoE study programs for Recognition by the IESL for acceptance as a basic academic qualifications required to become an Associate Member of the IESL.

- (d) MAS be published in the IESL CoE web site immediately after its approval by the Board of Directors of the IESL CoE.

### **Comments of the Council**

The Council was of the opinion that the general membership should be kept aware of following:

- (i) At the last AGM held on 7<sup>th</sup> December 2016, it was declared that enrollment of A/L qualified applicants had been stopped.
- (ii) Status of the two on-going court cases.

Eng. (Dr.) C. Gamage explained the background and the objective of the resolution. The house in general was not in favor of the resolution. Instead several young members emphasized that IESL should devote its time and resources to address the burning national issues of the country.

The resolution was put to the house for a vote. Resolution had **89 against** and **07 in favor**. **Accordingly, the house did not adopt the resolution**

### **Resolution 8**

**Proposer** : Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconded** : Eng. Dr. C. R. De Silva, M-5751

**This resolution is to Establish a Minimum Qualifications Standard as Academic Staff Recruitment Criteria to the IESL College of Engineering**

### **Introduction**

The IESL College of Engineering (IESL CoE) is a wholly owned subsidiary of the IESL established under the Companies Act No 7 of 2007. Therefore, under the provisions of the said Act and the Articles of Association (AoA) of this private limited liability company, its governance is the sole responsibility of the duly appointed Board of Directors of IESL CoE. According to the AoA the company, the Board consists of the Officers of the Council of the IESL.

The IESL CoE established with a mission to "Achieve Enduring Excellence in Education and Research in Engineering" has among its vision to be the "Premier Higher Educational Institution in Engineering" that would be a "benchmark for Engineering Education", the "trend setter in the Engineering Education", and the "setter of Engineering Education Service Quality Standards." To achieve and maintain these high standards, the IESL CoE must have an academic staff with requisite qualifications, training and experience.

The University Grants Commission (UGC), which is the authority to manage the recruitment conditions and criteria for academic staff in the state university system, has established following as the required Postgraduate Degree for recruitment for the post of Lecturer (Probationary) and Senior Lecturer Grade II and Grade I for Faculties of Engineering (vide Commission Circular No. 11/2015).

- (a) A Doctoral Degree in the relevant field or
- (b) A Masters Degree in the relevant field with full time research of at least 24 months duration.

The required qualification for recruitment as a Lecturer (Temporary) is a B.Sc. Engineering degree with First class or Second class Upper honors. However, the post of Lecturer (Temporary) is to recruit new graduates of a university who are in the process of commencing their postgraduate study programs. Therefore, this recruitment category is not relevant to the IESL CoE.

#### **Review of Academic Qualifications of the Full Time Academic Staff of the IESL CoE**

Based on the data provided by IESL CoE on its permanent academic staff, as of May 2017, out of the 10 permanent academic staff members, 6 staff members have no prior teaching experience in a university/institution conducting an undergraduate study program.

Out of the 10 permanent academic staff members, 6 staff members does not possess the minimum academic qualification of a research masters to be appointed as a senior lecturer.

Out of the 10 permanent academic staff members, only 2 staff members satisfy the academic qualification for their designation and have prior experience in teaching at a university/institution conducting an undergraduate study program. Of these 2, one staff member is at IESL CoE on sabbatical.

Therefore, IESL CoE has only a single permanent academic staff member with prior experience and qualification satisfying the designation.

Thus, based on the information provided by the management of the IESL CoE, it is in serious deficit of a full-time academic staff necessary to properly conduct the undergraduate study programs it offers.

This situation has given rise to general membership to question the quality of the study program and the impact of conducting such a study program on the reputation of the IESL.

#### **Review of Academic Qualifications of the Visiting Lecturers of the IESL CoE**

The objective of using visiting academics in an institution of higher learning and specifically in an undergraduate program is to supplement teaching of course modules with highly qualified and experienced industry practitioners. This brings in a much needed industry/practitioner viewpoint to the learning experience of undergraduates.

Based on the data provided by IESL CoE on its visiting academic staff, as of May 2017, out of the 60 visiting lecturers, 12 (20%) have only a bachelors degree qualification but is used for the teaching of 13 course modules.

Most disturbingly for an institution of higher learning aspiring to be the trend setter in engineering education, these visiting lecturers of IESL CoE with only a basic degree qualification and without prior teaching experience at undergraduate level are used to teach 2 foundation courses (EE1002 and ME1006) and 9 advanced modules (EC5001, EC5006, ME5007, CE4002, CE4004, CE5006, CE5005, EC5004, and ME5005). From the remaining 2 modules, CE2006 is also an advanced module and only the module ET2006 taught by a senior engineer from Millennium Information Technologies could be considered as an acceptable visiting lecturer appointment.

Based on the data provided by IESL CoE, there are 6 (10%) visiting lecturers who have only a MBA postgraduate degree qualification beyond the first degree or equivalent qualification.

Most alarmingly for an institution of higher learning aspiring to be the benchmark for engineering education, 3 of these visiting lecturers of IESL CoE are being used to teach engineering course modules at foundation level (CE1002) and at advanced level (ME5002 and EC5002). The 3 remaining visiting lecturers are being used in the teaching of management oriented course modules, which is acceptable.

Based on the data provided by IESL CoE, further 21 (35%) of the visiting lecturers have only taught masters (MSc and MEng) postgraduate qualifications beyond the first degree.

Based on the data provided by IESL CoE, the remaining 21 (35%) of the visiting lecturers have either MPhil or PhD qualifications justifying their role as contributors to the undergraduate academic program.

Therefore, it is important to note that nearly 2/3 of the visiting academic staff of IESL CoE does not successfully satisfy the required criteria as highly qualified and experienced industry practitioners who could be used to enhance the learning experience of undergraduates.

Furthermore, the ratio of 10 permanent academic staff to 60 visiting staff (1:6 ratio) is indicative of IESL CoE having a tutoring-type teaching arrangement rather than a bona-fide institute of higher learning.

#### **Requirement for a Minimum Qualifications Standard**

The data provided by IESL CoE clearly indicate that the IESL CoE has over the period of its existence has failed to develop its institutional academic staff capacity leading to a continual dependency on a set of temporary visiting lecturers who are largely lacking in qualification and experience to conduct an undergraduate study program.

This situation has given rise to general membership to question the true intent of the operation of the IESL CoE. While posing as a not-for-profit private company conducting an undergraduate-level engineering study program, the IESL CoE pays

significantly higher salaries to its top management in administrative and academic segments, provide bonuses and spends lavishly on advertising and promotion.

### **Resolution**

This house resolves that the Council of the IESL, as the sole representative of the single shareholder of IESL CoE, shall inform the Board of Directors of IESL CoE to formulate a Minimum Qualifications Standard as Academic Staff Recruitment Criteria to the IESL College of Engineering with the Minimum Qualification Standard (MQS) having following salient features.

- (a) MQS be aligned to the academic staff recruitment criteria for state university system faculties of engineering for recruitment of full time lecturers.
- (b) MQS be aligned to at least the Lecturer (Probationary) grade academic staff recruitment criteria for state university system faculties of engineering AND be a Chartered Engineer for recruitment of visiting lecturers.
- (c) MQS be reviewed periodically every five (5) years, possibly in conjunction with the review of the IESL CoE study programs for Recognition by the IESL for acceptance as a basic academic qualifications required to become an Associate Member of the IESL.
- (d) MQS be published in the IESL CoE web site immediately after its approval by the Board of Directors of the IESL CoE.

### **Comments of the Council**

The Council is of the view that qualifications stated therein particularly for the post of lecturer (probationary) is not in par with the prevailing UGC requirements. Secretariat to provide documentary evidences to validate council stand.

Eng. (Dr.) C. Gamage explained the background and the objective of the resolution. Majority of members of the house had the view that IESL should pay attention on matters important for members in particular and that of the country in general.

The resolution was put to the house for a vote. Resolution had **71 against** and **07 in favor**. **Accordingly, the house did not adopt the resolution**

### **Resolution 9**

**Proposer** : Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder** : Eng. S. A. Samarakoon, M-5013

**This resolution is to strengthen the independence of the IESL as the signatory accreditation body for Sri Lanka in Washington Accord Accreditation**

### **Introduction**

Since 2014, Sri Lanka has been a signatory to the Washington Accord, which is an international accreditation agreement for professional engineering academic degrees. The accreditation agreements are between the bodies responsible for accreditation in its signatory countries and IESL is the signatory accreditation body for Sri Lanka.

In this role of pre-eminent accreditation body for professional engineering academic programs, it is essential to ensure the impartiality and objectivity of the IESL in its activities connected to accreditation process.

The IESL College of Engineering (Pvt) Ltd is a fully-owned subsidiary of the IESL that was established in 2011 as an engineering education provider for the award of degree equivalent qualifications.

### **Resolution**

This house resolves that members of the Council of the IESL and/or its Standing Committees for the session 2017/2018 shall not engage in paid assignments from the IESL College of Engineering (Pvt) Ltd.

### **Comments of the Council**

It was the opinion of the Council that the resolution be put to the general membership for deliberations.

Eng. (Dr.) C. Gamage explained the background and the objective of the resolution. All deliberations convinced that the house in general was not in favor of the resolution.

The resolution was put to the house for a vote. Resolution had **74 against** and **04 in favor**. **Accordingly, the house did not adopt the resolution**

### **Resolution 10**

**Proposer:** Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconded:** Eng. S. A. Samarakoon, M-5013

This resolution is to re-assert the request of the corporate membership of IESL to continue the provision of online electronic voting facility

### **Introduction**

The membership of IESL have requested the provision of online electronic voting facility for the election of the Council of IESL for the past several years and have enacted the necessary changes to By-Laws to facilitate the same.

Online electronic voting facility will bring an important member service of IESL to be in par with international professional organizations and will further ensure that one of the most important rights a corporate member has is safeguarded in an effective manner by ensuring the availability of a secure and easy means of voting.

The implementation of online electronic voting facility for the IESL Council Election in 2017 is an important fulfillment of a longstanding demand of the corporate membership.

### **Resolution**

This house resolves that the election to the Council of the IESL in 2018 also shall be conducted using online e-voting as one of the methods available for the corporate members to cast their vote.

### **Comments of the Council**

The Council was of the opinion that CRO's report over the IESL council Election 2017/2018 should also be made available for the general membership.

Eng. (Dr.) C. Gamage explained the background and the objective of the resolution. All deliberations clearly convinced that the house in general was not in favor of the resolution.

The resolution was **withdrawn by the proposer**, as the council gave an assurance to hold the forthcoming council election using e-voting system

### **Resolution 11**

**Proposer** : Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder** : Eng. M. P. D. Lathsara, M-6442

**This resolution was to request the online publication of information pertaining to Right to Information Act**

### **Resolution**

This house resolves that the Council of the Institution of Engineers, Sri Lanka for Session 2017/2018 shall take necessary action in accordance with the Right to Information Act, No. 12 of 2016, to display in the publicly accessible part of its web site the following information within 60 days of first meeting of the new Council:

- (1) The contact information of the Information Officer (who shall receive and respond to Requests for Information) including Name, Designation, Address, Contact Number, and Email.
- (2) The contact information of the Designated Officer (who shall receive and respond to Appeals on responses to requests for information) including Name, Designation, Address, Contact Number, and Email.
- (3) An extract of the Register of Requests for Information and Register of Appeals as an online register of information including Request for Information No or Appeal No, Date Request Registered or Date Appeal Registered, Name & Address of Requester or Appellant (optional), and Date of Decision & Decision of Information Officer or Designated Officer.

### **Comments of the Council**

The Council decided to obtain the legal advice and disclose it at the AGM.

Executive secretary disclosed the legal advices obtained. President stated that the new council would initiate actions as per the disclosed legal advices. **With above assurance declared the proposer withdrew the resolution**

## **Resolution 12**

**Proposer:** Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconded:** Eng. M. P. D. Lathsara, M-6442

**This resolution is to request the fulfillment of the undertaking given at the IESL AGM 2016 on financial transactions of IESL CoE**

### **Introduction**

At the Adjourned Annual General Meeting (AGM) of the Institution of Engineers Sri Lanka (IESL) that was held on Wednesday, 07<sup>th</sup> December 2016 at 3 PM at BMICH, the President of IESL for the Council Session 2016/2017 gave a solemn undertaking to present to the membership of the IESL a detailed financial statement on funds received and payments made by the wholly owned subsidiary company of the IESL, the IESL College of Engineering (IESL CoE).

This undertaking was given in order to have the Statement of Accounts of IESL for the previous financial year to be approved at the said AGM, which the members present thereafter duly approved.

It is pertinent to note that the members present did not approve the Statement of Accounts for the wholly owned subsidiary company IESL CoE and therefore the consolidated statement of accounts remain unapproved by the said AGM.

However, to-date, the Council of the IESL has failed to honour the undertaking given to the members of IESL at the said AGM. This situation leads to a severe erosion of the trust and confidence that the members have reposed on the Council of the IESL.

### **Resolution**

This house resolves that the Council of the IESL for Session 2017/2018 shall take necessary action to fulfill the undertaking given at the 2016 AGM on the release of a detailed financial statement on funds received and payments made by the wholly owned subsidiary company of the IESL, the IESL CoE, within 60 days of first meeting of the new Council.

### **Comments of the Council**

The current Council (2016/2017) has already taken steps to fulfill the undertakings decided at the AGM 2016 in respect of IESLCoE Accounts. Hence, Council was of the opinion that these reports should also be made available for general membership.

Eng. (Prof.) KKYW Perera stated that this sort of resolutions should not be taken at AGMs, instead should be considered at council level. **President stated that all requested reports had been made available to the general membership. As such the proposer withdraw the resolution**

### **Resolution 13**

**Proposer:** Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder:** Eng. M. P. D. Lathsara, M-6442

This resolution is to request the publication of investigative report on the alleged election fraud

### **Introduction**

The Council of the Institution of Engineers Sri Lanka for the Session 2016/2017, at its 2<sup>nd</sup> Council Meeting held on 04<sup>th</sup> November 2016, unanimously decided to have an investigation on an alleged election fraud that has taken place during the acceptance of nominations to the Council Election 2016. This investigation was to be conducted by an independent investigator selected by the President of IESL.

The outcome of this investigation is of utmost importance to the members of IESL as it directly impinged on their franchise.

### **Resolution**

This house resolves that the Council of the IESL for Session 2017/2018 shall take necessary action to publish to the members of IESL an appropriate extract of the aforementioned investigative report within 60 days of first meeting of the new Council.

### **Comments of the Council**

It was the stand of the Council that Secretariat should circulate reports already available in respect of this incident among all Council Members.

Eng. BRO Fernando at the outset stated that the resolution had brought in with bad faith, and explained to the house all steps in detail he followed in compiling the report over the alleged election fraud, that had occurred in 2016. He stated the investigation was carried out properly and the comprehensively compiled report was handed over to then President Eng. Wimalasena Gamage.

Eng. Sudantha stated, he being the victim of this fraud requested then President W. Gamage and the council to have a full fledged investigation and have him acquitted from all charges. He further stated that, after the investigation was carried out by Eng. BRO Fernando, CRO stated that his name was included in to the candidate list and then only he felt that he was relieved from all sort of charges.

Executive Secretary stated that the investigation report was available for circulation; as such, **the proposer stated not to proceed with the resolution and hence withdrew it.**

#### **Resolution 14**

**Proposer:** Eng. S T D O Warapitiya

**Seconder:** Eng. B H H Liyanage

#### **This resolution is to Re-establish the previous qualifying Procedure for Engineering Diploma Holders to obtain AMIE(SL)**

The IESL College of Engineering (IESLCE) was established several years back. It is conducting Engineering courses in several disciplines. Its certificate is treated by the IESL as equivalent to the Engineering degrees awarded by the 3 Engineering Faculties at the Universities of Peradeniya, Moratuwa and Ruhuna. With the formation of this IESLCE, the previously existed path for Engineering Diploma holders to obtain AMIE(SL) was terminate. Instead they also had to join this IESLCE which is a profit oriented subsidiary of IESL.

During the past period there was a massive objection from the general membership of IESL against continuation of this IESL College of Engineering. Due to such objections, the Council had a plan to temporarily suspend the direct recruitment of A/Level passed students. Instead, only the Engineering Diploma holders (NDT, HNDE, NDES...) will be recruited. However, we have understood that still there is an attempt to recruit another batch out of A/Level passed students. Hence we wish to bring up a permanent decision.

Further we have following four concerns with regard to establishing the IESLCE.

1. Was there any request from our general membership, to conduct this type of Engineering course or a College by IESL?
2. Was there any requirement in the country to conduct this type of Engineering course by IESL?
3. Is it ethical to conduct such a College directly by the regulatory body itself?
4. Where did the funds for construction of College, come from?

In our point of view, the answer for above first three questions, is “No” and for the last question the IESL is answerable to its members.

Meanwhile we have understood that several members who are willing to continue this IESLCE have certain benefits (salary or lecture fees and several other opportunities).

Further, regarding the College of IESL, our views are as follows:

1. Conducting of such a College, definitely creates a **Conflict of Interest**, as IESL is the sole body for regulating Engineering Profession in Sri Lanka. Also IESL is empowered to provide Accreditation and Recognition of Engineering degrees in Sri Lanka under Washington Accord full membership status.
2. If the country needs more Engineers, IESL shall discuss that matter with the Government and Universities to increase the intakes of State Universities by enhancing resources and facilities.

3. Conducting engineering course (Part I, Part II and Part III) for Engineering Diploma holders (NDT, NDES, HNDE) has been accepted worldwide as an alternative route for acquiring the Engineering qualifications. Those who seek qualification from this alternative route may have missed the Engineering faculty entrance due to high competition prevailing in the GCE A/L exam and selected to enter such courses on merit basis. Further, they have an engineering background and most of them starts following IESL Part I & Part II after having certain field experience.

There are plenty of opportunities available in the country to obtain Engineering Degrees utilizing private funding where regulation is utmost important to protect general public from fake engineers.

Hence, this house resolves that;

1. The path for Diploma holders (NDT, HNDE & NDES) to obtain academic qualification required for Associate Membership of IESL (AMIE) shall be assured by re-establishing the previously existed system (ie Part I, Part II & Part III of IESL)
2. Further enrolment for IESL College of Engineering shall not be done. Rights of the present students of IESL College of Engineering shall be reserved. With the completion of the academic course of such present students, IESL College of Engineering shall be discontinued.
3. IESL shall not engage in any activity, with the intention of making profit.
4. IESL shall not form or maintain any subsidiary with the intention of making profit.
5. Any cost which may arise on discontinuation process shall be borne by IESL.

#### **Comments of the Council**

The Council observed, that the item number 1, i.e. “The path for Diploma holders (NDT, HNDE & NDES) to obtain academic qualification required for Associate Membership of IESL (AMIE) shall be assured by re-establishing the previously existed system (i.e. Part I, Part II & Part III of IESL)” contradicts the Council decisions already been taken in respect of IESLCoE.

**President announced that the resolution could not be taken up, as the seconder was not present at the time it was taken for deliberations.**

**The outgoing President Eng. Jayavilal Meegoda** addressing the house thanked the members, who placed trust and confidence to be the President of this prestigious institution and guidance and support to accomplish the five themes namely; Empowering and facilitating members, Improvements at the Secretariat, creating collaborative thinking environment, creating public understanding and Entrepreneurship. **Eng. Meegoda** further expressed his satisfaction on the achievements made during the session with the help of many enthusiastic members of IESL. Many new features were introduced under these themes namely, organizing **IESL day** in all the Engineering faculties and introduction of new competitions for student members: **IESL-UTE RaspberryPie** challenge, **Insee-IESL concrete mix competition**,

**DroneX** by YMS, establishment of **Water forum** and **INNOWATER2017**, **Entrepreneurship forum**, **safety forum** etc.

Large number of young members involved in the organizing of **Cricket Fiesta**, New year Festival, Christmas Party, Community Service Projects, Engineers' Night etc. Many **infrastructure improvements** were carried out in the Secretariat for the benefit of members. Long awaited need for **e-voting** solution was implemented and the **Engineering council bill** was passed in the parliament. IEA recognized IESL to be a provisional member of the **Sydney accord**. The winners of the **Jiy competition won Grand awards at Intel ISEF 2017**. Eng. Meegoda requested members to support the incoming President and the council to achieve the vision and mission of IESL.

The incoming President **Eng. (Prof.) Ms. N Ratnayake** addressing the assembly stated that it was indeed a privilege to serve as the President of this prestigious institution. She wished to express her sincere gratitude to all members of the institution for keeping confidence on her. She assured everyone that she would do her utmost to gain our common goals and to contribute towards the sustainable development of the country. IESL has enormous responsibility to ensure and maintain the engineering education standards and professionalism among our members when practicing engineering. We must think globally but should act locally, she emphasized.

Government's vision is to make our country a rich nation by year 2025. In order to attain such a goal, our country should gradually be transferred in to a business hub in the Indian Ocean. There is a significant demand for high quality software products, which we have not adequately capitalized on. We need to move towards a digitally empowered economy, she stressed.

She emphasized that it is our duty to take the challenge; while being so keen to protect our profession and identity as Sri Lankan engineers, at the same time, IESL could not ignore the rapid changes going on in the world. She wondered if we could attain our aspirations by adhering to current scenarios, or we should change ourselves.

She expressed her gratitude to all those attended the AGM and for all those who helped to make this event a success.

AGM concluded at **1620 hrs.**

**Eng. Granie R Jayalath**  
**Honorary Secretary**  
**Session 2016/2017**

# RESOLUTIONS

## **RESOLUTIONS PROPOSED BY THE COUNCIL**

### **Resolution1**

At the 98<sup>th</sup> Annual General Meeting held in October 2004, it was resolved that a Subscription Review Committee of three Corporate Members be appointed by the President to study all matters pertaining to an increase in the annual subscription payable by various categories of members.

This House resolves to revise the subscription fees for the year 2019 as given below:

<b>Class of Membership</b>	<b>Existing Rates</b>	<b>Proposed Rates for the year 2019</b>
Fellow	6,900	7,245
Member	5,600	5,880
Associate Member	4,200	4,410
Associate	3,600	3,780
Companion	3,600	3,780
Affiliate	3,600	3,780
Student Member	1,000	1,000

The above rates will be subject to existing taxes and a rebate of 10% to be offered for all members except for Student Members, who pay subscription fees for the year 2019 on or before January 31, 2019.

## **RESOLUTIONS PROPOSED BY MEMBERS**

### **Resolution 2**

**Proposer :** Eng. (Lt.Col.) Dr. C. D. Gamage (M-5744)

**Seconded :** Eng. M S M Musthalie (M – 6840)

According to the By-Law 98(i), "Sectional Committees shall be formed to engage in learned society activities, and for this purpose shall arrange meetings, Seminars, Discussions, Visits and the like, "Moreover, the Sectional Committees of the IESL engage in sector specific policy, regulation, and rules formulation activities that span across multiple Council sessions. The Chairmen of Sectional Committees have a pivotal role in ensuring the success of these endeavours.

Therefore, this House resolves to encourage members seeking election to the position of Chairmen of Sectional Committees to participate in the activities of the respective Sectional Committees for at least one session in the 3 years preceding their nomination.

# PROGRAMME

*Inauguration of the*

## **112<sup>th</sup> Annual Sessions**

*on*

**Tuesday – October 16, 2018**

*at*

**Bandaranaike Memorial International Conference Hall (BMICH)**

8.30 am - 9.00 am	<i>Registration / Arrival of Invitees and Members</i>
9.00 am - 9.10 am	<i>Arrival of the Chief Guest, the Guest of Honour and the Keynote Speaker</i>
9.10 am - 9.20 am	<i>Introduction of Past Presidents and Members of the Council to the Chief Guest</i>
9.20 am - 9.30 am	<i>Ceremonial Procession</i>
9.30 am - 9.40 am	<i>Lighting of the Ceremonial Oil Lamp</i>
9.40 am - 9.45 am	<i>National Anthem</i>
9.45 am - 10.05 am	<i>Welcome and Presidential Address : <b>Eng. (Prof.) Mrs. Niranjani Ratnayake, President - 2017/2018</b></i>
10.05 am - 10.20 am	<i>Address by the Chief Guest: <b>Deshabandu Hon. Karu Jayasuriya, Speaker of the Parliament of Democratic Socialist Republic of Sri Lanka</b></i>
10.20 am - 10.45 am	<i>Presentation of Awards and Certificates</i> <ul style="list-style-type: none"><li>• <i>Honorary Life Membership Certificates</i></li><li>• <i>Fellowship &amp; International Professional Engineers Certificates</i></li><li>• <i>Award Winners</i></li><li>• <i>Medallion to Immediate Past President, <b>Eng. Jayavilal Meegoda</b></i></li></ul>
10.45 am - 11.00 am	<i>Address by the Guest of Honour</i>
11.00 am - 11.30 am	<i>Address by the Keynote Speaker: <b>Mr. Vajira Kulatilaka, Director/Chief Executive Officer- NDB Capital Holdings Ltd</b></i>
11.30 am - 11.35 am	<i>Induction of the President for the Session 2018/2019</i>
11.35 am - 11.55 am	<i>Address by the <b>President - 2018/2019, Eng. (Prof.) T M Pallewatta</b></i>
11.55 am - 12.00 noon	<i>Presentation of Mementoes to the Chief Guest, the Guest of Honour and the Keynote Speaker</i>
12.00 noon - 12.05 pm	<i>Vote of Thanks: <b>Eng.(Prof.) S B S Abayakoon, President Elect - 2018/2019</b></i>
12.05 pm	<i>Refreshments</i>

# **112<sup>TH</sup> ANNUAL SESSIONS–PROGRAMME**

**OCTOBER 12, 13, & 14**

TECHNO 2018 Exhibition

at BMICH

**(Sirimavo Bandaranaike Memorial Exhibition Centre)**

**TUESDAY - OCTOBER 16**

**Inauguration of 112<sup>th</sup> Annual Sessions**

9.00 a.m.

at

BMICH – Colombo

**(Main Hall)**

**WEDNESDAY - OCTOBER 17**

**Annual Sessions Seminar (FEISCA Regional Conference)**

on

**‘Engineering the Sustainable Development Goals – National  
Strategies and Challenges’**

9.00 a.m.

at

Union Ballroom – Hilton Colombo Residencies

**FEISCA Executive Committee Meeting**

6.30 p.m.

at

Hilton Colombo Residencies, Colombo

**THURSDAY- OCTOBER 18 to FRIDAY – OCTOBER 19**

9.00a.m.

Presentation of Technical Papers

at

Wimalasurendra Auditorium - IESL

**SATURDAY– OCTOBER 20**

Young Members' Technical Conference

9.00 a.m.

at

Wimalasurendra Auditorium - IESL

**SUNDAY - OCTOBER 21**

Visit to

**MAS Fabric Park, Thulhiriya**

(Buses will leave IESL at 9.00 a.m.)

**SATURDAY – OCTOBER 27**

Annual General Meeting

8.30 a.m.

at

'Nugasevana' - B M I C H

**FRIDAY - NOVEMBER 2**

Techno Sri Lanka Awards Ceremony

7.00 p.m.

at

Galle Face Hotel - Colombo

TECHNICAL PAPERS PROGRAMME

**THURSDAY – OCTOBER 18, 2018**

**MORNING SESSION – A**

**CIVIL ENGINEERING – STRUCTURAL ENGINEERING**

- |                    |   |  |
|--------------------|---|--|
| 9.00 – 9.20 a.m    | - | Modeling of Beam- Column Interconnections against Seismic Loadings<br>By : Ms. S. S. Jayasinghe and Eng. B. H. J. Pushpakumara   |
| 9.20 – 9.40 a.m    | - | Predicting Bending Behaviour of Deployable Booms Made of Thin Woven Fibre Composites<br>By : Eng. H.S. Wijesuriya, Eng. D.C.D.K. Karannagodage, Ms. S. Nadarajah, Eng. (Dr.) H.M.Y.C. Mallikarachchi   |
| 9.40 – 10.00 a.m.  | - | Seismic Performance Evaluation of a Wind Governed Concrete Tall Building<br>By : Mr. Shilpa Nirman Thilakarathna, Prof. Priyan Mendis, Eng. Shiromal Fernando and Dr. Tharaka Gunawardena  |
| 10.00 – 10.20 a.m. | - | Suitability, Challenges and Implications of Pre-Cast Concrete Partition Wall Panels for Mullti-Storey Buildings in Sri Lanka<br>By : M. S. B. Haadi, D. R. S. S. Yapa, Eng. W. J. B. S. Fernando and Prof. Priyan Mendis   |
| 10.20 – 10.40 a.m. | - | Condition Assessment and Structural Enhancement of Historical Buildings in Colombo, Sri Lanka<br>By : Eng. S. L. Soysa, Eng. S. S. Mathangaweera and Eng. W. J. B. S. Fernando   |
| 10.40 – 11.00 a.m. | - | Investigation on Structural issues Caused due to Lack of Quality Assurance and Quality Control (QA/QC) Practices and Methods to Rectify the Observed issues in Construction Sites<br>By : Eng. L. L. Galappaththi, Eng. K. K. A. Perera and Eng. A. K. Jayawardana |
| 11.00 – 11.20 a.m. | - | Remote Sensing System of Wind Data Monitoring for Tall Buildings<br>By : Eng. B. S. Perera, Eng. Arthur De Alwis, Prof. P. Mendis and Eng. W. J. B. S. Fernando  |
| 11.20 – 11.40 a.m. | - | Rehabilitation of Historical Building- A Case Study<br>By : Eng. Y. Kantheepan, Eng. W. C. M. T. M. Chandrasekara, Mr. T. Welhena, Eng. S. S. Mathangaweera, Eng. W. A. D. T. P. Darshana, Eng. T. P. G. U. Alwis and Eng. W. J. B. S. Fernando                    |

- |                    |  |
|--------------------|--|
| 11.40 – 12.00 noon | - Application of Steel-Concrete Composite Columns in Building Construction<br>By : Eng. B. Kiriparan, Eng. W. J. B. S. Fernando, Eng. Bhathiya Waduge, Eng. Arthur De Alwis, Prof. Priyan Mendis and Eng. Dilina Hettiarachchi |
| 12.00 – 12.20 p.m. | - Optimization of Box Culverts<br>By : Eng. S. S. L. D. Chinthaka and Dr. K. Baskaran  |
| 12.20 – 12.40 p.m. | - Practices of Large Volume Concrete Pouring in High-Rise Building Foundations<br>By : Eng. S. U. Jayakody and Eng. K.A. B. P. Kuruppu   |
| 12.40 – 1.00 p.m.  | - A Comprehensive Bridge Inspection System for Highway Bridges in Sri Lanka<br>By : Eng. W.P.R. Indrajith and Dr. K. Baskaran  |

**THURSDAY – OCTOBER 18, 2018**

**MORNING SESSION – B**

**CIVIL ENGINEERING – GEO-TECHNICAL ENGINEERING**

- |                    |  |
|--------------------|--|
| 9.00 – 9.20 a.m.   | - Finding a Relationship between Los Angeles Abrasion Value (LAAV) and Aggregate Impact Value (AIV) of Rock Aggregates with other Physical Properties for Locally Available Rocks.<br>By : Miss. M. M. K. Shanelka Bandara, Miss. Kasuni G Galagedara, Miss. W. M. B. Madushika and Eng. R. Mahinda Rathnasiri   |
| 9.20 – 9.40 a.m.   | - Landform Process Centered Approach for Planning the Built Environment with Particular Reference to Managing the Impacts of Floods & Landslides<br>By : Eng. Granie R. Jayalath and Mr. Sudara K. Jayalath  |
| 9.40 – 10.00 a.m.  | - Influence of Matric Suction on Pull-Out Resistance of Soil Nail<br>By : Eng. P. Rajeevkarana and Eng. (Prof.) S. A. S. Kulathilaka   |
| 10.00 – 10.20 a.m. | - Stability Analysis of the Failure at Meethotamulla Waste Fill<br>By : Eng. S. H. S. Jayakody, Eng. (Mrs.) G. W. D. N. Galhena, Eng. (Dr.) W. Asiri Karunawardena and Eng. (Prof.) S. A. S. Kulathilaka   |
| 10.20 – 10.40 a.m. | - Monitoring Construction Vibrations- A Case Study<br>By : Eng. Y. Kantheepan, Eng. W. C. M. T. M. Chandrasekara and Eng. W. J. B. S. Fernando   |
| 10.40 – 11.00 a.m. | - Design and Development of Bio-Reactors and Leachate Barricades for Landfill Leachate Treatment<br>By : Ms. S. M. R. Joseph, Mr. B. Dilsharan, Mr. N. D. Punchihewa, Dr. M. Vithanage, Mr. Y. Jayawardhana, Mr. D. M. Wijerathne, Ms. J. Kulkarani and Ms. D. M. G. D. Dematawa and Eng. (Dr.) B.C.L. Athapattu |

- 11.00 – 11.20 a.m. - Modelling Stratification Ascendancy of Kirulapone Canal at Wellawatte Outfall  
By : Eng. (Ms.) G. L. E. P. Perera, Eng. G. C. R. Dayaratne, Mr. H. K. M. Perera and Eng. (Dr.) B. C. L. Athapattu
- 11.20 – 11.40 a.m. - Post Impact Evaluation of Rajagiriya Flyover (A Case Study)  
By : Eng. (Dr.) Tissa Liyanage, Eng. Maheen T. Ranasinghe and Eng. Mahesh A. Prasad

#### **CIVIL ENGINEERING - MATERIALS ENGINEERING**

- 11.40 – 12.00 noon - Recycling Reverse Osmosis Reject Water for Burnt Clay Brick Production  
By : Eng. U.L.S. Yasarithne, Eng. T.W.L.R. Thalaspitiya, Eng. (Dr.) B.C.L. Athapattu and Eng. T.A.B. Karunasinghe
- 12.00 – 12.20 p.m. - Effect of Polyethylene Terephthalate (PET) Fibres as Binder Additive in Hot Mix Asphalt Concrete  
By : Miss. Nishanthini Jegatheesan, Eng. (Dr.) T.M. Rengarasu and Eng. (Dr.) W.M.K.R.T. Wasala Bandara
- 12.20 – 12.40 p.m. - Laboratory Investigation of Hot Mix Asphalt Design using Reclaimed Asphalt Pavement  
By : Eng. S. Kajugaran and Eng. (Prof.) Wasantha K. Mambearachchi-
- 12.40 – 1.00 p.m. - Potential use of Clay Fines to Increase the Strength of Conventional Unbound Pavement Material  
By : Ms. A. L. Thanusha and Ms. S. Kirupajini

#### **THURSDAY – OCTOBER 18, 2018**

#### **AFTERNOON SESSION – A**

#### **CIVIL ENGINEERING – STRUCTURAL ENGINEERING**

- 2.00 – 2.20 p.m. - Investigation on Concrete Fins as Blast Resistors in Buildings  
By : Dr. K. Baskaran and Eng. R. M. B. Prasad
- 2.20 – 2.40 p.m. - Fold-Line Mechanics of Thin-Folded Membranes  
By : Eng. (Ms.) D. M. S. P. Dassanayake, Ms. H C Weerasinghe, Eng. S Mierunalan and Eng. (Dr.) H. M. Y. C. Mallikarachchi
- 2.40 – 3.00 p.m. - Investigation of Structural Defects in Government Hospital Buildings in Sri Lanka  
By : Dr. K. Baskaran and Eng. (Mrs.) A. L. A. Dilrukshi

- 3.00 – 3.20 p.m. - Non-Destructive Test Based Method for Identifying and Rating the Condition of Existing Buildings  
By : Mr. D. C. T. Madanayaka and Eng. B. H. J. Pushpakumara
- 3.20 – 3.40 p.m. - Significance of Solar Radiation on Design of Reinforced Concrete Water Retaining Structures  
By : Eng. A. Erwin Barthelot and Eng. (Prof.) S. M. A. Nanayakkara
- 3.40 – 4.00 p.m. - Application of LS-DYNA to Simulate the Behaviour of Important Structures under Blast Loads  
By : Eng. Thimira M. Abeysinghe, Eng. (Ms.) Sarah Malhari Fernando, Eng. W. J. B. S. Fernando and Prof. Priyan Mendis

#### CIVIL ENGINEERING – TRANSPORT

- 4.00 – 4.20 p.m. - Road Vehicle Instabilities in High Winds in Sri Lanka  
By : Eng. (Dr.) Asiri U. Weerasuriya, Mr. K. A. B. Weerasinghe and Eng. (Dr.) Ishani Dias
- 4.20 – 4.40 p.m. - Growth of Import and Export at Colombo Sea Port and its Transport & Economic Reflections  
By : Eng. (Dr.) Tissa Liyanage, Ms. Krishani R. Perera, R. A. M. M. Perera and Mr. C. P. E. S. Gayashan Dalpethado
- 4.40 – 5.00 p.m. - Effective Utilization of Context Sensitive Design combined with Grievance Redress Mechanism in Road Construction Projects  
By : Eng. Pradeep C. Ranasinghe
- 5.00 – 5.20 p.m. - Vulnerability Assessment for the Roadside Slope Failures: Case Study for Selected Roads in Badulla and Ratnapura Districts  
By : Eng. A. M. Neranjan, Eng. (Dr.) Jayalath Edirisinghe and Eng. (Dr.) P. B. G. Dissanayake
- 5.20 – 5.40 p.m. - Identifying the Factors Related to Motorcycle Crash Severities in Urban Roads in Sri Lanka  
By : Eng. (Dr.) T. W. K. I. M. Dias, Mr. D. N. P. Abeysiri and Eng. (Prof.) J. M. S. J. Bandara
- 5.40 – 6.00 p.m. - Analysing the Existing Conditions of Freight Transportation in Horana  
By : Eng. R.K.T.K. Ranawaka and Eng. (Dr.) R.M.N.T. Sirisoma

**THURSDAY – OCTOBER 18, 2018**  
**AFTERNOON SESSION – B**  
**CIVIL ENGINEERING – WATER RESOURCES**

- |                  |   |
|------------------|---|
| 2.00 – 2.20 p.m. | -      Assessment of the Impact of Drought on NWSDB Water Sources by using Severity and duration of Drought<br>By: Eng. Ashan L. Pathirane and Eng. (Mrs.) W. K. Illangasinghe  |
| 2.20 – 2.40 p.m. | -      Hydraulic Modeling of Nikaweratiya Water Supply Scheme<br>By : Mr. Damith Chanaka and Eng. (Mrs.) W. K. Illangasinghe  |
| 2.40 – 3.00 p.m. | -      Development of Reservoir Simulation Model for Effective Irrigation Water Management of Magalla Reservoir at Nikaweratiya, Sri Lanka<br>By : Eng. D. S. Sampath, Mr. M. D.T Buddhimal, Prof. (Mrs.) T. Mikunthan and Mr. M. Prabhakaran |
| 3.00 – 3.20 p.m. | -      Refinement of Reverse Osmosis Concentrate through Bio-Char Embedded Bio-Geo Filter<br>By : Eng. U.L. S. Yasarathne, Eng. T.W.L.R. Thalaspitiya, Eng. (Dr.) B. C. L. Athapattu, Dr. M. Vithanage and Eng. T.A.B. Karunasinghe           |
| 3.20 – 3.40 p.m. | -      Aguwewa in Cascade Systems: Does it Serves the Purpose<br>By : Ms. D. S.Jayaweera, Mrs. K. M. S. Thilakarathna, Eng. (Dr.) B.C.L. Athapattu and Eng. (Dr.) G. N. Paronavithana   |
| 3.40 – 4.00 p.m. | -      Hydraulic Performance of Urban Canals in Colombo: Implications on the Transport of Suspended Constituents<br>By : Eng. (Dr.) P. I. A. Gomes, L. A. Sumendra and B. A. V. W. Fernando   |
| 4.00 – 4.20 p.m. | -      Critical Hydraulic Modelling Aspects of a Jetty in a Partially Sheltered Bay<br>By : Eng. (Dr.) S. Wickramaratne, Eng. D. E. N. Senaratne and Eng. (Ms.) I. L. Abeygunesekera  |
| 4.20 – 4.40 p.m. | -      Moragahakanda reservoir – Most recent Maldevelopment Identified from the Water Resources Development Plan, 1959<br>By : Eng. D.L.O. Mendis   |

#### CIVIL ENGINEERING- ENVIRONMENTAL ENGINEERING

- 4.40 – 5.00 p.m. - Recycling Building Wastes and Dewatered Alum Sludge in Permeable Reactive Barriers (PRBs) to treat the Heavy Metals of the Ground Water contaminated by Landfill-leachate  
By : Eng. (Dr.) (Mrs.) W.K.C.N. Dayanthi and Eng. Arulmoly Branavan
- 5.00 – 5.20 p.m. - Integration of Municipal Solid Waste Management with Urban Development and Formulation of Planning Guidelines for Municipal Solid Waste Management (MSWM) in Urban Residential Areas Aiming towards Waste Minimization  
By : Eng. Plnr. T.A. Gamage
- 5.20 – 5.40 p.m. - Use of Waste Materials in Permeable Reactive Barriers (PRBs) to Treat Dissolved Organic Carbon in the Groundwater Contaminated by Landfill – Leachate  
By : Eng. (Mrs.) I. U. Nagasinghe and Eng. (Dr.) (Mrs.) W.K.C.N. Dayanthi
- 5.40 – 6.00 p.m. - Evaluation of Critical Risk Factors (CRF) in local condominium developments through Analytical Hierarchical Process (AHP)  
By : Eng. Damitha Ranasinghe and Dr. Chandana Siriwardana

#### **FRIDAY – OCTOBER 19, 2018**

##### **MORNING SESSION – A** **ELECTRICAL ENGINEERING**

- 9.00 – 9.20 a.m. - Determination of Appropriate Unit Size Configurations of Major Thermal Power Plants for Long Term Generation Expansion Planning : A Sri Lankan Case Study  
By : Eng. K. H. A. Kaushalya, Eng. K. A. M. N. Pathiratne, Eng. G. B. Alahendra and Eng. M. B. S. Samarasekara
- 9.20 – 9.40 a.m. - Design of Type Tested Low Voltage Electrical Panel Boards  
By : Eng. (Dr.) Himel C. Jayatilaka
- 9.40 – 10.00 a.m. - The Use of Decentralised Concentrated Solar Power Systems in Sri Lanka  
By : Eng. S. Paskaran and Prof. John Miles
- 10.00 – 10.20 a.m. - Evaluation of Variability Characteristics of Distributed Solar PV Production from Grid Integration Perspective  
By : Eng. A. W. M. R. B. Wijekoon, Eng. D. C. Hapuarachchi and Eng. M. B. S. Samarasekara

- 10.20 – 10.40 a.m. - Analysis of Climate Change Mitigation Strategies in Power Generation Expansion Planning Studies  
By : Eng. (Ms.) M. D. V. Fernando and  
Eng. M. B. S. Samarasekara
- 10.40 – 11.00 a.m. - An Artificial Neural Network for Solar Power Generation Forecasting Using Weather Parameters  
By : Eng. P. A. G. M. Amarasinghe and  
Eng. (Dr.) S. K. Abeygunawardane
- 11.00 – 11.20 a.m. - Development of Generalized Decision Support Methodology for Blackout Restoration: A Case Study of Sri Lankan Power System  
By : Eng. K. L. U. Sirisena, Dr. D. Prasad Wadduwage and  
Eng. D. G. Rienzie Fernando

#### ELECTRONIC ENGINEERING

- 11.20 – 11.40 a.m. - Accuracy of Smartphone Location Services for Geo-tagged Data Collection: A Field Study  
By : Eng. I. P. Senanayake, Eng. (Dr.) C. L. Jayawardena and  
Eng. J. D. S. U. Jayakodi
- 11.40 – 12.00 noon - Applicability of Microwave Pre-heating Techniques for Economic Recovery of Garnet from Rocks  
By : Eng. J. D. S. U. Jayakodi, Mr. R. B. Dasanayake and  
Eng. (Dr.) G. V. I. Samaradivakara

#### ELECTRICAL & TELECOMMUNICATION ENGINEERING

- 12.00 – 12.20 p.m. - Understanding the Challenges in the Sri Lankan Mobile Telecommunication Industry: A Global Value Chain Analysis  
By : Eng. K. N. G. Dias
- 12.20 – 12.40 p.m. - The Survey on Digital Non-linearity Compensation Techniques for Optical Fibre Communication Systems  
By : Eng. I. S. Silva, U. L. S. I. Perera and Dr. S. G. Edirisinghe
- 12.40 – 1.00 p.m. - Smart, Easy End-User Installation And Reliable Node Coordinator System & Protocol Solution For Iot Applications Using Cost-Effective Embedded Systems.  
By : Eng. T. Thevananthan and Eng. V. Joy Vahini

**FRIDAY – OCTOBER 19, 2018**  
**MORNING SESSION – B**  
**MECHANICAL & MANUFACTURING ENGINEERING**

- |                    |   |
|--------------------|---|
| 9.00 – 9.20 a.m.   | - Development of a Method to Analyze Stress-Stain in a Dynamic System<br>By : Eng. Kapila Peiris, Eng. Harsha Kumarasinghe and Eng. Ashan Krishantha  |
| 9.20 – 9.40 a.m.   | - Design and Development of a Pineapple Peeling Machine<br>By : Eng. P. G. A. I. Siriwardhana and Eng. D. C. Wijewardene  |
| 9.40 – 10.00 a.m.  | - Design and Simulation of a Shape Memory Alloy Based Microgripper for Minimally Invasive Surgery<br>By : Eng. K. Pradeep Rathnayake and Eng. H. S. Lakmal Perera   |
| 10.00 – 10.20 a.m. | - Aerodynamic Analysis of Rear Wings and Rear Spoilers of Passenger Automobiles<br>By : Ms. R. G. S. K. Rajapaksha, Mr. K. D. P. C. Kurukulasooriya, Mr. H. M. T. M. Herath, Eng. S. L. M. D. Rangajeewa and Eng. (Dr.) R. M. P. S. Bandara   |
| 10.20 – 10.40 a.m. | - Variation of Combustion Characteristics with Fuel Viscosity in Heavy Fuel Oil (HFO) Fired Gas Turbines<br>By : Eng. Nuhuman Marikkar, Eng. Tharindu Jayath, Eng. Kithsiri Egodawatta, Eng. Shakthi Dissanayake, Mr. Matthieu Vierling, Mr. Sven Catrin, Dr. Maher Aboujaib and Dr. Michel Molière |
| 10.40 – 11.00 a.m. | - Numerical and Computational Aerodynamic Analysis of Clark Y-14 Airfoil<br>By : Ms. K. M. U. S. Chandrasena, Ms. N. S. W. Samarasinghe and Eng. S. L. M. D. Rangajeewa   |
| 11.00 – 11.20 a.m. | - Performance Analysis of Different Long Truck Roof Fairing Shapes using CFD simulations<br>By : Mr. W. A. I. S. Jayawardana, Mr. H. D. Wickramasinghe, Mr. T. H. D. D. Wijerathne and Eng. S.L.M.D. Rangajeewa   |
| 11.20 – 11.40 a.m. | - Designing of a Stability Augmentation System for a Trainer Aircraft<br>By : Mr. R. W. M. R. C. D. Wanigasekara, Ms. H. P. Keragala, Mr. B. S. D. Sedara and Eng. S. L. M. D. Rangajeewa   |
| 11.40 – 12.00 noon | - Driver assisted steering system for reversing an articulated Vehicle<br>By : Eng. R. N. Ranaweera, Dr. D. H. S. Maithripala, Prof. A. D. Polpitiya and Mr. S. K. Seneviratne  |

- 12.00- 12.20 p.m. - Performance Evaluation and Exergy Analysis of Different Working Fluids used in Organic Rankine Cycle for Power Generation Operates under Constant Temperature Heat Reservoirs.  
By : Eng. T. Kankeyan, Eng. (Dr.) M. A. Wijewardane, Eng. (Dr.) R. A. C. P. Ranasinghe and Eng. (Dr.) G. A. S. Jayasekara
- 12.20 – 12.40 p.m. - Design and Development of a Semi -Automated Sand Blasting Machine for Small -Scale Industry  
By : Mr. M. N. M. Saheed and Eng. H. S. Lakmal Perera

#### AGRICULTURAL ENGINEERING

- 12.40 – 1.00 p.m. - Trend in Irrigation Water Requirement for Paddy Cultivation in Polonnaruwa District under Changing Climate  
By: Eng. D. M. T. S. Dissanayake

#### **FRIDAY – OCTOBER 19, 2018** **AFTERNOON SESSION – A** **ELECTRICAL & TELECOMMUNICATION ENGINEERING**

- 2.00 – 2.20 p.m. - The Survey on Nonlinear Phase Noise Compensation Techniques in Optical Fiber Communication  
By : U. L. S. L. Perera, Eng. I. S. Silva and Dr. S. G. Edirisinghe
- 2.20 – 2.40 p.m. - Design and fabrication of Handheld CNC Platform for Engineering Teaching  
By : Eng. Achala Pallegedara and Eng. Rahal Nanayankkara

#### COMPUTER SCIENCE & ENGINEERING

- 2.40 – 3.00 p.m. - A Novel Entity Profiling and Collusion Detection Algorithm  
By : Eng. Asoka Korale, Eng. Fuard Ahamed, Eng. Kaushalya Kularatnam and Eng. Liam Smith

#### BIOMEDICAL ENGINEERING

- 3.00 – 3.20 p.m. - Development of Toe Operated Prosthetic Hand  
By: Eng. A. A. S. P. Jayasinghe
- 3.20 – 3.40 p.m. - A Feature Selection Method for Current Biomedical Studies  
By : Ms. U. L. M. Rodrigo and Prof. A. D. Polpitiya
- 3.40 – 4.00 p.m. - A Study on Manipulability of a 9 DoF Trans-humeral Ortho-Prosthesis  
By : Eng. R. A. M. Abayasiri and Eng. (Prof.) R. A. R. C. Gopura

### ENGINEERING MANAGEMENT

- 4.00 – 4.20 p.m. - Assessment of Electronic Document and Communication Management Systems in Construction Projects  
By : Eng. K. E. S. Perera and Dr. C. S. A. Siriwardana
- 4.20 – 4.40 p.m. - Perception of Engineering Students towards the importance of Engineering Ethics for their future Profession  
By : Eng. D.P.S. Wijesinghe and Eng. (Dr.) (Mrs.) V. P. T. Jayawardane
- 4.40 – 5.00 p.m. - A Study to Investigate the Application of Risk Management Techniques in Sri Lankan Construction Projects  
By : Eng. A.L.M. Risath and Eng. (Dr.) Chandana Siriwardana
- 5.00 – 5.20 p.m. - Developing of Land-Use and Economic Inputs for A PECAS Activity Allocation Module  
By : Eng. S.M.P.M. Premasiri and Eng. (Dr.) G.L.D.I. De Silva

### OTHER

- 5.20 – 5.40 p.m. - Protective Coating applications – Importance of Appropriate Specifications and necessity of Quality Assurance during the implementation in the Local context  
By : Eng. A. K. Jayawardana, Eng. K. K. A. Perera, Mr. A. A. A. S. Rajaratne, Eng. W. J. B. S. Fernando and Prof. Priyan Mendis

### **FRIDAY – OCTOBER 19, 2018**

#### **AFTERNOON SESSION – B**

#### **MATERIAL SCIENCE & ENGINEERING**

- 2.00 – 2.20 p.m. - Synthesis and Characterization of Reduced Graphene Oxide for Supercapacitors  
By : Mr. P. S. D. Perera, Eng. (Prof.) S. U. Adikary, Dr. I. R. M. Kottegoda and Dr. R. C. I. De Silva
- 2.20 – 2.40 p.m. - Investigation of Degradation Characteristics of Polymer Products during Engineering Applications  
By : Eng. A. M. P. B. Samarasekara and Eng. K. G. Alahapperuma
- 2.40 – 3.00 p.m. - Preparation of cellulose based polymer composites for engineering applications  
By : Eng. A. M. P. B. Samarasekara, Mr. S.P.D.A. Kumara, Mr. A.J.S. Madhusanka, Dr. D.A.S. Amarasinghe and Prof. L. Karunanayake

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|------------------|---|--|
| 3.00 – 3.20 p.m. | - | Investigation of Mechanical and Thermal Properties of Nanofibrillated Cellulose (NFC) Reinforced Polyolefin Composite<br>By : Eng. A. M. P. B. Samarasekara, Ms. K. D. H. N. Kahawita, Dr. D.A.S Amarasinghe and Prof. L. Karunanayake |
| 3.20 – 3.40 p.m. | - | Development of Antimicrobial Nanosilver Based Wrapping Film<br>By : Eng. A. M. P. B. Samarasekara, Ms. W.A.D.P. Madhuwanthi, Ms. D.N.S. Dammage and Dr. D.A.S Amarasinghe<br>CHEMICAL & PROCESS ENGINEERING                            |
| 3.40 – 4.00 p.m. | - | Trace Metal Modified Engineered Carbon Nano Tubes for Arsenic Removal<br>By : Eng. A. Ashiq, Eng. (Prof.) Basim Abussaud, Dr. M. Vithanage and Eng. (Dr.) B. C. L. Athapattu   |
| 4.00 -4.20 p.m.  | - | Using Textile Waste as Brick Material<br>By : Eng. Ramith Ukwaththa  |
| 4.20 – 4.40 p.m. | - | Study on use of lignin based antioxidant in a solid tire tread compound<br>By : Eng. H. D. A. Gunasekara, Eng. (Dr.) S.M. Egodage and Dr. A.H.L.R. Nilmini   |
| 4.40 – 5.00 p.m. | - | Effect of short nylon fiber loading on high load bearing press-on-band tire tread compound<br>By: Eng. B. M. H. I. B. Wattegedara and Eng. (Dr.) S. M. Egodage   |
| 5.00 – 5.20 p.m. | - | Effect of Chemical Pretreatment of Rice Husk for Bio-energy Production<br>By : Ms. W. M. C. E. Fernando, Eng. (Ms.) J. M. N. Jayaweera and Prof. K. B. Wijesekara  |
| 5.20 – 5.40 p.m. | - | A Numerical Study on Torrefaction of Organic Waste in Sri Lanka<br>By : Eng. (Ms.) W. A. M. K. P. Wickramarachchi, Eng. (Mrs.) K. U. C. Perera and Eng. (Dr.) M. Narayana  |
| 5.40 – 6.00 p.m. | - | Numerical Simulation of Carbon Dioxide Capture in Rubber Wood Gasification<br>By : Eng. (Mrs.) K U C Perera and Eng. (Dr.) M. Narayana   |

# PAST OFFICE BEARERS

## THE INSTITUTIONS OF ENGINEERS, SRI LANKA

YEAR	PRESIDENT	HONY. SECRETARY	HONY. TREASURER
1906	F A Cooper, CMG,MICE	A Rothwell	R A Powell – AMICE
1907	H T S Ward, MICE	A Rothwell	R A Powell – AMICE
1908	P D Warren, CMG, FRGS	A Rothwell	R A Powell – AMICE
1909	C A Lovegrove, AMICE	J A Balfour, AMICE	R A Powell – AMICE
1910	R E Tickell, MICE	H T Creasy, CBE, MICE	R A Powell – AMICE
1911	R Skelton, AMICE	H T Creasy, CBE, MICE	G N Loggin, CMG, MICE
1912	F A Cooper, CMG, MICE	A Woodeson, OBE, FRIBA, FSI	W J Price, AMICE
1913	J A Balfour, AMICE	A Woodeson, OBE, FRIBA, FSI	W J Price, AMICE
1914	A D Prouse, MICE	A Woodeson, OBE, FRIBA, FSI	W J Price, AMICE
1915	A D Prouse, MICE	A Woodeson, OBE, FRIBA, FSI	W J Price, AMICE
1916	T H Chapman, Lt.Col, OBE, VD, MICE, MIWE	A Woodeson, OBE, FRIBA, FSI	W J Price, AMICE
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1918	W C S Ingles, AMICE	A Woodeson, OBE, FRIBA, FSI	R G Bartholomew, AMICE
1919	W C S Ingles, AMICE	A Woodeson, OBE, FRIBA, FSI	R G Bartholomew, AMICE
1920	H F Tomalin, MICE, FRIBA, FRGS	A Woodeson, OBE, FRIBA, FSI	Col. T G Jayawardene, VD
1921	D McMillan, MICE	A Woodeson, OBE, FRIBA, FSI	Col. T G Jayawardene, VD
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1923	M W Cole-Bowen, BA(Dublin), BAI, MICE	A Woodeson, OBE, FRIBA, FSI	Col. T G Jayawardene, VD
1924	J A Stracham, CMG, MICE, MIStructE, MBIPS	A Woodeson, OBE, FRIBA, FSI	Col. T G Jayawardene, VD
1925	J A Stracham, CMG, MICE, MIStructE, MBIPS	A Woodeson, OBE, FRIBA, FSI	Col. T G Jayawardene, VD
1926	N M Ingram	A Woodeson, OBE, FRIBA, FSI	Col. T G Jayawardene, VD
1927	N M Ingram	A Woodeson, OBE, FRIBA, FSI	C H Vince, PASI
1928	W Brown, BSc(Edin), MICE	A Woodeson, OBE, FRIBA, FSI	C H Vince, PASI
1929	A H G Dawson	A Woodeson, OBE, FRIBA, FSI	C H Vince, PASI
1930	A H G Dawson	A Woodeson, OBE, FRIBA, FSI	C H Vince, PASI
1931	E W Head, OBE, MIMechE, MILocoE	A Woodeson, OBE, FRIBA, FSI	C H Vince, PASI
1932	G W Dodds, MICE	A D Parham, FRIBA, FSI, MTPI	G K Thornhill, FSI, FRGS
1933	B G Meaden, MICE	A D Parham, FRIBA, FSI, MTPI	W J Price, MICE
1934	W J Thornhill, OBE, MICE , ARTC(Glas)	A D Parham, FRIBA, FSI, MTPI	W J Price, MICE
1935	G K Thornhill, OBE, FSI, FRGS, FRAS, FRMetS	A D Parham, FRIBA, FSI, MTPI	W J Price, MICE
1936	J S Kennedy, MC, MA, BSc(Glas), MICE	A D Parham, FRIBA, FSI, MTPI	W J Price, MICE

YEAR	PRESIDENT	HONY. SECRETARY	HONY. TREASURER
1937	E G Eastman, OBE, FSI, FAI	A D Parham, FRIBA, FSI, MTPI	W J Price, MICE
1938	H K de Kretser, MICE, MIM & CYE, FRSANI	A D Parham, FRIBA, FSI, MTPI	W J Price, MICE
1939	H Wijenathan, BSc(Eng)Hons Lond	A D Parham, FRIBA, FSI, MTPI	W J Price, MICE
1940	T A Owles, OBE, MICE	A D Parham, FRIBA, FSI, MTPI	W J Price, MICE
1941	W J Price, MICE	A D Parham, FRIBA, FSI, MTPI	T H Leader, AMICE
1942	W J Price, MICE	A D Parham, FRIBA, FSI, MTPI	T H Leader, AMICE
1943	Lieut.Col. C H Brazel, MC, MIEE, MIMechE	A D Parham, FRIBA, FSI, MTPI	T H Leader, AMICE
1944	Lieut.Col. C H Brazel, MC, MIEE, MIMechE	A D Parham, FRIBA, FSI, MTPI	T H Leader, AMICE
1945	D Lusk, ARCSc(Dublin), AMIEE	A D Parham, FRIBA, FSI, MTPI	H F Billimoria, MBE, BArch (Hons)L'pool, FRIBA
1946	Col. Stanley Fernando, OBE, ED,CE, MISTructE	{ H F Billimoria, MBE, BArch(Hons) L'pool, FRIBA (Secretary) Muhandiram J A L P Wijewardene, + ISO (Assistant Secretary)	D A Peiris, AMISTructE
1947	Col. Stanley Fernando, OBE, ED,CE, MISTructE		D A Peiris, AMISTructE
1948	S G Taylor, CBE, BSc(Eng) Lond, MICE		D A Peiris, AMISTructE
1949	C M Jennings, MICE, MIWE		D A Peiris, AMISTructE
1950	T N Wynne-Jones, OBE, FRIBA, FRSanI, MISTructE		T P de S Munasinghe, MICE
1951	L W G Starbuck, Assoc.IEE	- Do -	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1952	W A Guthrie, OBE, BSc(Eng) Birmingham, FRSA, MICE	- Do -	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1953	T A Burns, BSc(Eng)	- Do -	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1954	S Rajanayagam,, OBE, BSc(Eng) Lond, ACGI, AMIEE	- Do -	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1955	E C Wijeyesekera, MBE, BSc(Eng) Lond, MICE, MinsT.	- Do -	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1956	R L Brohier, OBE, FRICS, FRGS	{ S Rajanayagam, OBE, BSc(Eng)(Lond) ACGI, AMIEE, (Secretary) Muhandiram J A L P Wijewardene, + ISO (Assistant Secretary)	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1957	E C Fernando, MBE, BSc(Eng) Lond, AMICE, MIEE, AMIMechE		C Rasiah, BSc(Lond), BA(Cantab), AMICE
1958	B D Rampala, MBE, BSc(Lond) AMIMechE, MLocoE, MinsT		C Rasiah, BSc(Lond), BA(Cantab), AMICE
1959	T P de S Munasinghe, MICE	S Rajanayagam, OBE, BSc(Eng)(Lond) ACGI, AMIEE, (Secretary) Muhandiram J A L P Wijewardene, + ISO (Assistant Secretary)	C Rasiah, BSc(Lond), BA(Cantab), AMICE

YEAR	PRESIDENT	HONY. SECRETARY	HONY. TREASURER
1960	W T I Alagaratnam, OBE, ACE(Madras), MICE, MIWE	S Rajanayagam, OBE, BSc(Eng)(Lond),ACGI, AMIEE, Secretary) Muhandiram J A L P Wijewardene, + ISO (Assistant Secretary)	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1961	D W E Meegama, BSc(Eng) Glasgow, MICE	S Rajanayagam, OBE, BSc(Eng)(Lond),ACGI, AMIEE, Secretary) Muhandiram J A L P Wijewardene, + ISO (Assistant Secretary)	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1962	E C de Alwis, BSc(Eng)Lond, MICE, AMIMEchE	{ S Rajanayagam, OBE, {BSc(Eng) Lond, ACGI, MIEE (Secretary) A Ragunather, BSc(Eng)Lond, AMIMEchE, (Asst. Secretary) (upto 11-7-1962) A C Wickramasinghe, AMICE, AMIPHE, (Asst. Secretary)	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1963	A E C de S Gunasekera, JP, MICE	S Rajanayagam, OBE, BSc(Eng)Lond ACGI, MIEE (Secretary) A C Wickramasinghe, AMICE, AMIPHE, (Asst. Secretary)	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1964	H R Premaratne, BSc(Eng) Edin, MICE	S Rajanayagam, OBE, BSc(Eng)Lond ACGI, MIEE (Secretary) A C Wickramasinghe, AMICE, AMIPHE, (Asst. Secretary)	C Rasiah, BSc(Lond), BA(Cantab), AMICE
1965	E B Anketell, BSc(Eng) Glasgow, MICE, FIPHE, MIWE, MRSH	C Rasiah, BSc(Lond), BA(Cantab), MICE, MIWE(Secretary) A F Deane (Asst.Secretary & (Asst. Treasurer)	A C Wickremasinghe, AMICE, AMIPHE
1966	V C de Silva, BSc(Eng) Lond, AMICE,	C Rasiah, BSc(Lond), BA(Cantab), CEng, FICE, MIWE	A C Wickremasinghe, AMICE, AMIPHE
1967	S Arumugam, BSc(Lond), BSc(Eng)Lond, MICE, MIWE	C Rasiah, BSc(Lond), BA(Cantab), CEng, FICE, MIWE	A C Wickremasinghe, AMICE, AMIPHE
1968	Prof. R H Paul, BSc(Spl) MA(Cantab), CEng, MIEE, FRSA L C Williams, BE(Civil) Madras, MICE	C Rasiah, BSc(Lond), BA(Cantab), MICE, MIWE(Secretary) A F Deane (Asst.Secretary & (Asst. Treasurer)	A C Wickremasinghe, AMICE, AMIPHE
1969	Dr. A N S Kulasinghe, BSc(Eng) Hons(Lond)CEng, FICE, MIE(India), FIMechE	C Rasiah, BSc(Lond), BA(Cantab), CEng, FICE, MIWE	{ A F Deane, Acting Honorary Treasurer (From 6-1-69 to 30-6-69) A C Wickremasinghe, CEng, MICE AMIPHE( from 01.07.69)
1970	A McNeil Wilson, CEng, MIMechE	C Rasiah, BSc(Lond), BA(Cantab), CEng, FICE, MIWE	A C Wickremasinghe, CEng, MICE, AMIPHE
1971	V N Rajaratnam, CEng, MICE	C Rasiah, BSc(Lond), BA(Cantab), CEng, FICE, MIWE	A C Wickremasinghe, CEng, MICE, AMIPHE
1972	Dr. S L de Silva, BSc(Lond), PhD(Lond), Dip Chem. Eng.(Manch)	C Rasiah, BSc(Lond), BA(Cantab), CEng, FICE, MIWE	A C Wickremasinghe, CEng, MICE, AMIPHE
1973	Prof. T Sivaprakasapillai BSc(Lond), BSc(Eng), Lond, ACGI, CEng, FICE	C Rasiah, BSc(Lond), BA(Cantab), CEng, FICE, MIWE	A C Wickremasinghe, CEng, MICE, AMIPHE
1974	T W Mendis, CEng, FIEE, FIMechE	C Rasiah, BSc(Lond), BA(Cantab), CEng, FICE, MIWE	A C Wickremasinghe, CEng, MICE, AMIPHE

YEAR	PRESIDENT	HONY. SECRETARY	HONY.TREASURER	EXECUTIVE SECRETARY
1975	B R P Goonawardene CEng, MIMechE, FIE(Sri Lanka)	H C D de Silva, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE	J B Weeraratne, CEng, FIE(Sri Lanka), MICE (upto 17-8-75) S H C de Silva, BSc(Eng)Lond, CEng, MIE(Sri Lanka), MICE, DHE(Delft), BC(Tech)Lond, from 18-8-75)	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE (from 1-5-75)
1976	M Chandrasena, BSc(Eng)Lond, CEng, FIE(Sri Lanka) AMIWE, MIMechE, FICE	H C D de Silva, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE	S H C de Silva, BSc(Eng)Lond, CEng, MIE(Sri Lanka), MICE, DHE(Delft), BC(Tech)Lond	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE
1977	P H Perera, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE, MStructE, (From 23.2.76) J A S Johnpillai, CEng, FIE(Sri Lanka), FIEE, MBIM	L R L Perera, BSc(Eng), CEng, FIE(Sri Lanka), MICE, MIMechE, FIAGR, (From 10-12-76)	S H C de Silva, BSc(Eng)Lond, CEng, MIE(Sri Lanka), MICE, DHE(Delft), BC(Tech)Lond	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE
1978	U N Gunasekera, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MStructE	L R L Perera, BSc(Eng), CEng, FIE(Sri Lanka), MICE, MIMechE, FIAGR,	S H C de Silva, BSc(Eng)Lond, CEng, MIE(Sri Lanka), MICE, DHE(Delft), BC(Tech)Lond	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE
1979	Dr. K Poologasundaram, BSc(Eng), DIC, PhD, CEng, FIE(Sri Lanka), MICE, (upto 14.3.79) A R P Wijeyesekera, CEng, FIE(Sri Lanka), FIMechE, Officiating President from 15.3.79	C T Pereira, BSc(Eng), CEng, MIE(Sri Lanka), MIMechE (upto 19-4-79) D L Taldena, BSc(Eng), CEng, MIE(Sri Lanka), MEngSc(NSW) (from 19-4-79)	W Premaratne, BSc, CEng, FIE(Sri Lanka), FIMechE, MIProdE	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE
1980	A R P Wijeyesekera, CEng, FIE(Sri Lanka), FIMechE	M R Prelis, BSc(Eng), MS(Purdue USA), CEng, FIE(Sri Lanka), AIIE(USA), MIMechE	G J P Gunawardane, BSc(Eng), CEng, FIE(Sri Lanka), MICE	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE
1981	T Wijesinghe, BSc(Eng), MEng(NSW), CEng, FIE(Sri Lanka), MICE (upto 28.11.80) A Maheswaran, BSc(Eng), CEng, FIE(Sri Lanka), MICE	L J Weeraratne, BSc(Eng), CEng, MICE, FIE(Sri Lanka), (upto 30-1-81) P A Subramaniam, BSc(Eng), MSc, CEng, FIE(Sri Lanka), MICE (from 30.01.81)	L R L Perera, BSc(Eng), CEng, FIE(Sri Lanka), MICE, MIMechE, FIAGR	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE
1982	Dr. S M A Perera, BSc(Eng), DIC, PhD, CEng, FIE(Sri Lanka), MICE	P A Subramaniam, BSc(Eng), MSc, CEng, FIE(Sri Lanka), MICE (upto 15.03.82) A D S Gunawardana, BSc(Eng), DIC, CEng, MIE(Sri Lanka) (from 5-4-82)	S H C de Silva, BSc(Eng)Lond, DHE(Delft), CEng, FIE(Sri Lanka), Assoc. BC(Tech)Lond, MICE	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE
1983	L Sydney de Silva, BSc(Eng), Dip.CE(CTC), CEng, FIE(Sri Lanka), FICE, FCIT, FPWI(Eng)	A D S Gunawardana, BSc(Eng), DIC, CEng, MIE(Sri Lanka)	M C Opatha, BSc(Eng), CEng, MIE(Sri Lanka)	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE

<b>YEAR</b>	<b>PRESIDENT</b>	<b>HONY. SECRETARY</b>	<b>HONY. TREASURER</b>	<b>EXECUTIVE SECRETARY</b>
1984	L R L Perera BSc(Eng), CEng, FIE(Sri Lanka), MICE, MIMechE, FIAgriE	R L de S Munasinghe, DipCE, CEng, FIE(Sri Lanka)	M C Opatha, BSc(Eng), CEng, MIE(Sri Lanka)	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE
1985	W Premaratne BSc., CEng, FIE(Sri Lanka) FIMechE, MIProdE, JPUM	H E G F de Silva, BSc(Eng), CEng, FIE(Sri Lanka), FIEE	M C Opatha, BSc(Eng), CEng, MIE(Sri Lanka)	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE
1986	Prof. K K Y W Perera BScEng, MSc, PhD, CEng, FIE(Sri Lanka), FIEE(Lond), MIEEE,	D L Taldena, BSc(Eng), MEngSc, CEng, MIE(Sri Lanka), MIEE	M C Opatha, BSc(Eng), CEng, MIE(Sri Lanka)	J P Senaratne, BSc(Eng)Lond, CEng, FIE(Sri Lanka), MICE
1987	D L O Mendis, BScEng, MSc(Agri), CEng, FIE(Sri Lanka),	D L Taldena, BSc(Eng), MEngSc, CEng, MIE(Sri Lanka), MIEE	A D S Gunawardena, BSc(Eng), DIC, CEng, MIE(Sri Lanka)	J P Senaratne, (upto 31-7-1987) D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE (from 1-8-87)
1988	G J P Gunawardane, BSc(Eng), DIC, MSc(Eng), CEng, FIE(Sri Lanka)	E J Sunil Perera, BSc(Eng), MEng, PGDip(Indust.Eng.), CEng, FIE(Sri Lanka)	S Panchacharavel, BSc(Eng), CEng, FIE(Sri Lanka), MICE	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
1989	S M B Dolapihilla, FIMechE, MIMarE, CEng, FIE(Sri Lanka)	E J Sunil Perera, BSc(Eng), MEng, PGDip(Indust.Eng.), CEng, FIE(Sri Lanka)	D B J Ranatunga, BSc(Eng), MEngSc, CEng, FIE(Sri Lanka)	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
1990	Prof.A Thurai Raja, BSc(Eng), PhD(Cantab), CEng, FIE(Sri Lanka), FICE, FNAS	E J Sunil Perera, BSc(Eng), MEng, PGDip(Indust.Eng.), CEng, FIE(Sri Lanka)	D B J Ranatunga, BSc(Eng), MEngSc, CEng, FIE(Sri Lanka)	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
1991	D G Senadhipathy, BScEng, CEng, FIE(Sri Lanka), MIEE	Mrs. D G G Karunaratne, MSc(Civil), MEng(Env.Eng.), FIE(Sri Lanka), MICE	N Saravanapavananthan, BSc(Eng)Hons(Lond), FIE(Sri Lanka), FIWE	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
1992	Prof. D S Wijeyesekera DEC(Eng), PhD(Edin), FIE(Sri Lanka), FCIT(Lond), FIET((Lond), MICE(Lond)	Ms. L P Batuwitige, MSc(Ireland), MEng(SL), CEng, MIE(Sri Lanka)	L Tilakaratna, BScEngHons, CEng, MIE(Sri Lanka), MIMechE	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
1993	Prof. S Karunaratne BScEng(Hons) Cey, DipEE(Lond), MScEng(Glasgow), CEng, FIE(Sri Lanka), FIEE(Lond)	N N Kamaladasa, BSc(Eng), CEng, MIE(SL) (upto 7.1.1993) D L Taldena, BSc(Eng), MEngSc, CEng, FIE(Sri Lanka), MIEE, (from 7.1.1993)	L Tilakaratna, BScEngHons, CEng, MIE(Sri Lanka), MIMechE	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
1994	Rear Admiral K R L Perera VSV, BSc Eng, MSc, CEng, FIE(Sri Lanka), FIMechE, FIMarE	L W Seneviratne, BSc Eng, PG.Dip, MEng(Hydrol), CEng, FIE(Sri Lanka), MIAH, MICE	L Tilakaratne, BSc Eng Hons, CEng, MIE(Sri Lanka), MIMechE	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
1995	Dr. Tudor Gunawardhana, BSc Eng, MEngSc, PhD, CEng, FIE(Sri Lanka), FNASc	H D S de Alwis, BSc Eng, Grad.Dip(Aust), MAppSc(Aust), CEng, MIE(Sri Lanka)	L Tilakaratna, BScEngHons, CEng, MIE(Sri Lanka), MIMechE	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
1996	Denzil Senanayake BSc Eng(Cey), DIP HE(Surrey), CEng, FIE(Sri Lanka)	H D S de Alwis, BSc Eng, Grad.Dip(Aust), MAppSc(Aust), CEng, MIE(Sri Lanka)	L Tilakaratna, BScEngHons, CEng, MIE(Sri Lanka), MIMechE	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE

<b>YEAR</b>	<b>PRESIDENT</b>	<b>HONY. SECRETARY</b>	<b>HONY. TREASURER</b>	<b>EXECUTIVE SECRETARY</b>
1997	S H C de Silva, BSc Eng, DHE(Delft), CEng, FIE(Sri Lanka), MICE, FIE(India)	H D S de Alwis, BSc Eng, Grad.Dip(Aust), MAppSc(Aust), CEng, MIE(Sri Lanka)	K W Perera, BSc Eng, CEng, MIE(Sri Lanka)	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
1998	A N P Wickremasuriya BSc Eng, CEng(SL), FIE(Sri Lanka), CEng(UK), FIMechE,	H D S de Alwis, BSc Eng, Grad.Dip(Aust), MAppSc(Aust), CEng, MIE(Sri Lanka)	N Saravanapavananthan BSc Eng, (Hons) (Lond), FIWE, FIE(Sri Lanka) (upto 4/9/98) M C Opatha, BSc Eng, CEng, FIE(Sri Lanka), (From 4/9/98)	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
1999	D G D C Wijeratne BSc Eng, MEng, CEng, FIE(Sri Lanka), FIEE	K L T S de Silva, BSc Eng, MEng.Sc.(NSW), Dip. Env.Law(ANU), CEng, FIE(Sri Lanka), MIE(Aust), MICE,	M Zubair BSc Eng, Dip.EE, CEng, FIE(Sri Lanka), FIEE	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
2000	Ms. R L Haturusinha BSc Eng, ME(WRD)Roorkee, CEng, FIE(Sri Lanka)	K L T S de Silva, BSc Eng, MEng.Sc.(NSW), Dip. Env.Law(ANU), CEng, FIE(Sri Lanka), MIE(Aust), MICE,	M M P Perera BSc Eng(Hons), CEng, MIE(Sri Lanka)	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE
2001	(Gp.Capt) P Mervyn Gunasekera BSc Eng, MSc(Const.Mgt), CEng, FIE(Sri Lanka), MICE, MASCE, AIFE(UK), CCE,	H D S de Alwis, BSc Eng, Grad.Dip(Aust), MAppSc(Aust), CEng,MIE(Sri Lanka)	M M P Perera BSc Eng(Hons), CEng, MIE(Sri Lanka)	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE (upto 31-10-2001)
2002	B R O Fernando GFH(Lond), DFH(Lond), CEng, FIE(Sri Lanka), FIEE, FISMM(UK),	M Zubair, BSc Eng, Dip.EE, CEng, FIE(Sri Lanka), FIEE	M M P Perera, BSc Eng(Hons), CEng, FIE(Sri Lanka)	Russel de Zilwa BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK) (from 1-11-2001)
2003	Prof. L L Ratnayake BSc Eng(Hons), MSc(B'ham), CEng, FIE(Sri Lanka), MCILT(Lond)	R J Gunawardana BSc Eng, CEng, FIE(Sri Lanka)	M M P Perera BSc Eng(Hons), CEng, FIE(Sri Lanka)	Russel de Zilwa BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK)
2004	Priyal De Silva BSc Eng, MEng (Moratuwa), CEng, FIE(Sri Lanka), FCILT(Lond), FPWI(England), FIE(Aust), CPEng	S Panchacharavel BSc Eng, CEng, FIE(Sri Lanka), MICE	Madhawa Perera BSc Eng, CEng, FIE(Sri Lanka),	Russel de Zilwa BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK)
2005	L C R De Silva BSc Eng, CEng, FIE(Sri Lanka), MIMechE, SIRM	Tudor Munasinghe Dip.Civ.Eng, PGDip(WRE), MICE(UK), MistructE(UK) MCIWEM(UK), CEng, MIE(Sri Lanka) (upto 4/3/2005)	Madhawa Perera BSc Eng, CEng, FIE(Sri Lanka),	Russel de Zilwa BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK)
2006	D B J Ranatunga BSc Eng (Hons), MEng Sc, MBA, CEng, FIE(Sri Lanka),	M Zubair BSc Eng, Dip.EE, CEng, FIE(Sri Lanka), FIEE	Madhawa Perera BSc Eng, CEng, FIE(Sri Lanka),	Russel de Zilwa BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK)
2007	D L Taldena BSc Eng(Hons), MEngSc(NSW Aust), IntPE, CEng, FIE(Sri Lanka, MIET	Gratian A Peiris BSc Eng, CEng, MIE(Sri Lanka)	Madhawa Perera BSc Eng, CEng, FIE(Sri Lanka),	Russel de Zilwa BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK) (upto 28-01-2008)

YEAR	PRESIDENT	HONY. SECRETARY	HONY. TREASURER	EXECUTIVE SECRETARY
2008	R J Gunawardana BSc Eng, MBA, CEng, FIE(Sri Lanka)	E A L Sarathchandra BSc Eng, IntPE, CEng, MIE(Sri Lanka)	J Meegoda BSc Eng(Hons), MBA(SJP), PGDip(Norway), CEng, FIE(Sri Lanka), MIEE	Dhammika Welhenge BSc Eng, CEng, MIE(Sri Lanka) (from 01-01-2008 to 31-01-2009)
2009	D P Mallawaratchie BScEng(Hons), MAsC(Canada), CEng, FIE(Sri Lanka), MICE (upto 25-05-2009)  H D S De Alwis, BSc Eng, Grad.Dip(Canberra), MApp Sc(Canberra), CEng, FIE(Sri Lanka), IntPE(Sri Lanka), MCIWEM(UK) (President-Elect) Officiated as President (from 26/5/2009)	Dr. S A K Abayawardana BScEng(Hons),Dip.ChemE.(UCL), PhD(Lond), DIC, CEng, FIE(Sri Lanka), IntPE(Sri Lanka), FICHEM(Lond),	J Meegoda BSc Eng(Hons), MBA(SJP), PGDip(Norway), CEng, FIE(Sri Lanka), MIEE	Ms. A Wimalasuriya BSc Eng, CEng, MIE(Sri Lanka), MIEE (from 08-07-2009)
2010	Dr. H D S De Alwis BSc Eng, Grad.Dip(Canberra), MApp Sc(Canberra), DEng, CEng, FIE(Sri Lanka), MCIWEM(UK) (upto 20-08-2010)  Prof. A K W Jayawardane BSc Eng(MRT), MSc(Lough), PhD(Lough), CEng, FIE(Sri Lanka), IntPE(Sri Lanka) – (President-Elect) Officiated as President (from 21/08/2010)	D D S Jayawardena, CEng, FIE(Sri Lanka), FIMechE	S A D A Subasinghe MSc(Q&R)Eng, MIET, MIMechE, CEng, FIE(Sri Lanka) (upto 31/12/2009)  M K Chandrasekera BSc Eng, CEng, FIE(Sri Lanka), IntPE(Sri Lanka) (from 01/01/2010)	Ms. A Wimalasuriya BSc Eng, CEng, MIE(Sri Lanka), MIET
2011	Prof. A K W Jayawardane BSc Eng(MRT), MSc(Lough), PhD(Lough), CEng, FIE(Sri Lanka), IntPE(Sri Lanka)	K D Abeysiriwardena BSc Eng, PGDip(SE), CPEng, MIE(Aust), CEng, MIE(Sri Lanka), MIET	J Meegoda BSc Eng(Hons), MBA(SJP), PGDip(Norway), CEng, FIE(Sri Lanka), MIET	Ms. A Wimalasuriya BSc Eng, CEng, MIE(Sri Lanka), MIET
2012	Dr. Ananda Ranasinghe BSc Eng(Hons), PhD, MTech(Const.Mgmt), MEng(Struct Eng), CEng, FIE(Sri Lanka),IntPE(Sri Lanka), AIStructE, MICE, Attorney-at-Law	P M P Wijeratne BSc Eng, CEng, MIE(Sri Lanka), MIEP(Sri Lanka), CMTMI, APGBC(SL), ACB	J Meegoda BSc Eng(Hons), MBA(SJP), PGDip(Norway), CEng, FIE(Sri Lanka), MIET	Ms. A Wimalasuriya BSc Eng, CEng, MIE(Sri Lanka), MIET
2013	Tilak De Silva, BSc Eng., MSc, FBCS, FIET, FIE(Sri Lanka), MIEE, CEng, CITP	K S Mangala Silva, BSc Eng(Hons), MEng(Structural), MSSE(SL), MIE(Sri Lanka), CEng	P C C Perera, BSc Eng(Hons), Dip(Com.Arb), MIE(Sri Lanka), CEng	Ms. A Wimalasuriya BSc Eng, MIET, MIE(Sri Lanka), CEng
2014	W J L S Fernando, BSc Eng.(Hons), MEng, MIET, FIE(Sri Lanka), CEng	P C C Perera, BSc Eng(Hons), Dip(Com.Arb), MIE(Sri Lanka), CEng	A P R De Silva, BSc Eng(Hons), MEng(Const. Mgt.), MIE(Sri Lanka), CEng	Ms. A Wimalasuriya BSc Eng, MIET, MIE(Sri Lanka), CEng
2015	Dr. S B Wijekoon, BSc Eng, MEng, MBA, D.Tech, MICE, FIPM(SL), FIE(Sri Lanka), IntPE(Sri Lanka), CEng	J A G R Jayalath,BSc Eng(Hons), MEng, MEcon, PGDip(CM), PGDip.(IT), FIHT(UK), MIRC(India), MCILT, FIE(Sri Lanka), CEng	A P R De Silva, BSc Eng(Hons), MEng(Const. Mgt.), MIE(Sri Lanka), CEng	Ms. A Wimalasuriya BSc Eng, MIET, MIE(Sri Lanka), CEng (upto December 31, 2015)

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2016	Wimalasena Gamage, BSc Eng, PGDip.Eng.Hy (Delft), PGDM(OUSL), FIE(Sri Lanka), CEng	J A G R Jayalath, BSc Eng(Hons), MEng, MEcon, PGDip(CM), PGDip(IT), FIHT(UK), MIRC(India), MCILT, FIE(Sri Lanka), CEng	A P R De Silva, BSc Eng(Hons), MEng(Const. Mgt.), FIE(Sri Lanka), CEng	Dr. L Jagath A Peiris BSc Eng, MBA, DBA, MIET (UK), MSOE(UK), MIPlantE(UK), IntPE(Sri Lanka), FIE(Sri Lanka), CEng (upto February 20, 2017)
2017	Jayavilal Meegoda, BSc Eng(Hons), CEng, FIE(SL), Int PE, MBA, PGDip(Norway), MIEEE(USA)	J A G R Jayalath, BSc Eng, MEng (NL), MEcon (SL), PGDip(CM), PGDip(IT), FIHT(UK), FIE(Sri Lanka), CEng, MIRC (India), MCILT	A P R De Silva, BSc Eng(Hons), MEng(Const. Mgt.), FIE(Sri Lanka), CEng	W N A M Abeysekera, BSc Eng. MBA, MCPM, MIE(Sri Lanka), CEng
2018	Prof.(Mrs.) N Ratnayake, BSc Eng(Hons), MEng(Wales), MIEPSL, FIE(Sri Lanka), CEng	K S Mangala Silva, BSc Eng(Hons), MEng(Structural), MSSE(SL), MIE(Sri Lanka), CEng	M G Hemachandra, BSc Eng(Hons), Dip(Mgmt), Dip. in Com. Arbitration, MBA(Infrastructure), MIE(Sri Lanka), CEng	W N A M Abeysekera, BSc Eng. MBA, MCPM, MIE(Sri Lanka), CEng



