

**THE INSTITUTION OF ENGINEERS,  
SRI LANKA**

# **TRANSACTIONS**

## **2017**

**PART A**

**ANNUAL SESSIONS 2017  
ANNUAL REPORTS 2016/2017  
ANNUAL GENERAL MEETING - 2016/2017**



“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.”

# **THE INSTITUTION OF ENGINEERS, SRI LANKA**

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## PRESIDENT'S REPORT

Dear Members,

I am pleased to place before you the annual report of the 2016 /2017 Session for which the members of this prestigious institution placed their trust and confidence in me to be its President and steer it through the challenges to achieve the objectives and goals towards its overall vision.

I would like to mention that even before taking on the responsibility of presidency I had embarked upon achieving these goals, both as the President Elect and Vice President / Chairman of various committees; PSMC, CPD, L & P, EEESC, BSESC, JIY, Techno, in the past few years. Paving the way for a record number of 400 Associate Members to successfully getting elevated to Corporate Membership status, increasing number of cycles of Professional Review (PR) to four from two, holding Professional Review 'B' Paper examination for the first time in the history of the IESL in an overseas Chapter, increasing number of participants in CPD programmes by many folds, the JIY competition being what it is today, with its affiliations to the Intel ISEF and winning international awards annually by JIY winners compared to its simple stature when I first assumed its chairmanship are a few to be named. These were the noteworthy results of my very hard efforts with the support of members, even before I took up the presidency. The Federation of Engineering Institutions of South and Central Asia at its 14th General Assembly bestowed upon me its presidency gave me the unique opportunity, when inducted subsequently as President of IESL as well, of holding parallel presidencies of both institutions.



The reins of Presidency empowered me to provide focus on many other priorities. With the help and assistance of the Council, Standing Committees, Council appointed committees and provincial, overseas and student chapters, I was able to navigate through the session under the following themes:

1. Empowering and facilitating our own members
2. Improvements at the secretariat
3. Creating collaborative Thinking Environment
4. Creating public understanding
5. Entrepreneurship

I am greatly satisfied as most of the initiatives either have been completed or moving in right direction as at now. In achieving the first objective of empowering and facilitating our own members, much attention was paid for development of our provincial, overseas and student chapters. As members, you must have seen in SLEN and other communications the enthusiastic work carried out by our members in these chapters. The young Member Section was so aggressive this year and got thousands of students enrolled from all state Engineering faculties. The IESL day, a novel concept introduced during the session was held in all state faculties in a grand scale with the participation of academics and undergraduates. The Young Member Section organized several novel competitions

to engage young undergraduates and students, namely, IESL-UTE RaspberryPi Challenge, Insee-IESL Concrete Mix Competition, CAD Eager by University of Ruhuna, Hackathon by University of Moratuwa, Spaghetti Bridge by University of Peradeniya, DroneX by South Eastern University and Tic Tac Toe by University of Jaffna. With the objective of recognizing and appreciating innovations done in the water sector by different stakeholders, newly established IESL Water Forum organized INNOWATER 2017, which is open to all age groups.

IESL cricket fiesta was a day to remember, participated by young and old equally. The year was full of events. The events like Awurudu Ullala, Christmas party were organized centrally. The Engineers' Night 2017 was attended by nearly 500 members. This is the largest ever participation in the history for this event. Many CSR projects were implemented this year. One of them was the rehabilitation of Flood affected electrical installation of Welgama Kanishta Vidyalaya, in Bulathsinhala by YMS. The two professional review exams were conducted successfully in Colombo, Provinces and Qatar Chapter. A subcommittee appointed to review Code of Ethics and the revisions were circulated to members. The revised Code of Ethics are approved by the Council and need to be approved by the membership. The journal "Engineer", has been accepted for inclusion in the Web of Science Emerging Sources Citation Index (ESCI) and will be granted the full facilitation of the index soon. Journals in ESCI are searchable, discoverable and citable; authors and researches get real time insight into a journal's citation performance. The conducting of CPD programs recorded remarkable achievements during the session with 34 short term courses with a record number of 1,780 participants.

Anyone visiting the Secretariat would notice the infrastructure improvements that had taken place in 2017. Members have got modern wash room complex, modified Lecture rooms, member rest area. Much more projects are in planning and execution stages including refurbishment of Wimalasurendra Auditorium with modern facilities. Installation of grid connected solar power system at IESL headquarters has been started. Implementation of quality systems for improving physical environment and process improvements at IESL secretariat is under implementation.

Fulfilling a long-awaited members' need, e-Voting solution, was implemented this year. The new membership management system project, started on 15th August 2017 is targeted to be completed on or before 15th February 2018. The new system with many features would facilitate most of our member requirements in transacting with the Secretariat.

Professional recognition and status of IESL members have been established and elevated through new Engineering Council bill. IESL was able to obtain provisional membership for Sydney Accord this year. It will facilitate IESL recognizing three-year degree programs at appropriate level of membership. During the session IESL carried out successful visits to accredit & recognize several engineering degree programs of state universities. Workshops were held for academics on the accreditation process. The IESL accreditation manual is being revised to suit current context. IESL conducted a series of successful workshops to review professional rules. The amended rules will be enforced soon with Council approval.

While acting as national think tank, IESL engaged in Condominium Management Authority in revising the construction standards & regulations and disseminated Engineering knowledge via national newspapers like Sunday Times through the selected articles from our Members. IESL also contributed in revising the Procurement manuals prepared by the National Procurement Commission. Updated registers for arbitrators/adjudicators, structural engineers and building service engineers were published.

During the session, IESL was actively involved in negotiations of free trade agreements. IESL provided the inputs to the Government in revision of visa laws. The visa laws in the country have not gone

through a major revision over a long period. They need to be altered as per the current context. As a leading professional Organization, IESL has a special interest to safeguard our local professionals and engineering practice by ensuring only the qualified professionals from other countries based on Sri Lanka's skill demand to get Work Visa. Establishment of proper visa framework is mandatory when a country enters into International Free Trade and Service agreements.

IESL appointed a committee to prepare guidelines with regard to Higher Engineering Education. The committee comprised of the Deans of the state Engineering faculties and senior Members from the Industry. Among other tasks this committee need to advise on the minimum qualification required for students to enter engineering higher education. The committee will conduct surveys with different stakeholders in this regard.

The national engineering conference on the theme "Engineering the Digital Economy" was held in September 2017 in grand scale with the facilitation of eminent resource personnel. Two students of the JIY winners who secured top places in the Sri Lanka Science and Engineering Fair (SLSEF) participated in the Intel ISEF 2017 at Los Angeles, USA. Master Wiswajith Gangodawila of Mayurapada Central College won the prestigious grand award in the category of Engineering Mechanics for the product "Systematic Wall Constructing Tool". This is the 8th year that students selected under the JIY program of the IESL have made the country and IESL proud by winning international grand awards since they started participating in the Intel ISEF 2008.

IESL Foreign Chapters were very active during the session. The Qatar chapter held their AGM, conducted several CPD programs and organized "B" paper examination in Qatar. The Chapter leaders encouraged their members to get the Engineering Charter, resulting in several members applying for Professional Review. The concept paper on Knowledge sharing program initiated by NSW Chapter was approved by the Council. The NSW Chapter is also working with IESL in formulation of street light standards, standards regarding road safety, and drafting procedure for licensing electricians. IESL is also working with PUCSL, NERD and Vocational training institutions to license the electricians.

IESL was successful in stopping some of the alternative Engineering institutions being formed. One such instance was the attempt to establish a separate "Building Services Engineers Association" of which the objectives and scopes were already covered under IESL and its specific sectional committee. It needed parliamentary lobbying with the support of members of parliament.

The Entrepreneurship forum was established to support IESL members, who are budding entrepreneurs. The Entrepreneur Talk program was launched this year by getting successful entrepreneurs sharing their knowledge with our membership. It is a platform for budding entrepreneurs to learn from the veterans. A separate stall at Techno exhibition was allocated free of charge for the startups of IESL members.

The Techno Sri Lanka 2017 was conducted successfully on 13th to 15th October 2017 with a record attendance of members of IESL. It celebrated its 32nd anniversary this year.

All these achievements were possible due to the tremendous support I received from the Past Presidents, Council Members, Chairmen and Members of Sectional Committees, Standing Committees, Provincial Chapters, District Centers, Overseas Chapters, staff of the IESL Secretariat and the general membership. I take this opportunity to express my deep appreciations for all their support. I would like to express special thanks to the President Elect and Vice Presidents who stood by me at all times and deputized me whenever I could not attend meetings and events. I must thank specially the members who responded to my request at last Annual sessions to rally round IESL and contribute even at a small scale to make IESL a better place for all of us and to deliver value to the Sri Lankan society. There were several new faces that supported me immensely in IESL activities.

Looking beyond my session, IESL shall not only celebrate its successes, we cannot remain complacent. There are number of challenges within us and in the external environment. We should create a better path for engineering profession and its practitioners.

I look forward to continuing my service for the betterment of IESL, my colleagues, the Engineering Profession and my country with the same enthusiasm I did during my presidency and during my long association with IESL. I take this opportunity to wish the incoming President, the Council, the IESL Secretariat and the members all the success.

**Eng. Jayavilal Meegoda**

B.Sc(Eng) Hons, C.Eng, FIE(SL), Int.PE(SL), MBA, PGD(Norway), MIEEE(USA)

**President, Institution of Engineers, Sri Lanka**

**President, Federation of Engineering Institutions of South and Central Asia**



## **COUNCIL REPORT – 2016/2017**

The Session 2016/2017 commenced on October 22, 2016 with the first meeting of the Council held immediately after the Annual General Meeting 2016.

### **1. BOARD OF TRUSTEES**

Eng. Ranjith Gunawardana served as the Chairman of the Board of Trustees for a brief period and was succeeded by Eng.(Prof.) A K W Jayawardane. 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.

### **2. BENEVOLENT FUND**

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

Eng. (Prof.) A K W Jayawardane – Chairman as the Chairman, Board of Trustees  
Eng. Jayavilal Meegoda - President  
Eng. W Gamage- Immediate Past President  
Eng. A P R De Silva – 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. 8,154,524.77 as at 15/09/2017.

|  |                  |
|--|------------------|
| Balance as at 15-09-2016                   | Rs. 6,995,557.86 |
| Contribution from 15-09-2016 to 15-09-2017 | Rs. 1,158,966.91 |
| Balance as at 15-09-2017                   | Rs. 8,154,524.77 |

### **3. BY LAWS REVISION COMMITTEE**

The By-Laws Revision Committee for the Session 2016/2017 comprised of the following:

Eng. Jayavilal Meegoda - Chairman  
Eng. (Prof.) Mrs. N Ratnayake  
Eng. Priyal De Silva  
Eng. (Dr.) Ananda Ranasinghe

Eng. (Dr.) Kamal Laksiri  
Eng. Indika Walpitage  
Eng. Kosala Kamburadeniya  
Eng. R M Palitha Abayawardana  
Eng. Arjuna Manamperi  
Eng. K S Mangala Silva  
Eng. Lalith Pallegama  
Eng W M U P Kumara

During the Session the Committee deliberated on the proposed revisions to the following By Laws:

By Laws 108, 109, 113, 114 & 86(b)

A decision was taken to carefully review all the By Laws and remove any discrepancies, contradictions, anomalies etc. early.

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

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

Eng. Jayavilal Meegoda  
Eng. (Prof.) D S Wijeyesekera  
Eng. W S Madhawa Perera  
Eng. Arjuna Manamperi  
Eng. M A S U Kumara  
Eng. Wininda Kith Piyarathna  
Eng. R Rupasinghe  
Eng. Asantha G. Sumanarathna  
Eng. P W Wickramasekara  
Eng. Saliya K Kaluarachchi  
Eng. S T Perera

#### **5. MEMBERSHIP**

Professional Standard & Management Committee (PSMC) for the 2016/2017 Session had held 11 regular meetings during the Session 2016/2017. In addition, 3 special meetings were held to discuss important issues related to the Professional Review Process.

The total Member count at the end September 2016 was 17,002 and the count as at 15<sup>th</sup> September 2017 is 19,545. The table illustrates the additions, movements and removals from each category during the session.

| MEMBERSHIP         | Total as at 25.08.2016 | ADDITIONS   |         |             | DELETIONS   |          |           |   | Total as 15.09.2017 | Net change during the session |
|--------------------|------------------------|-------------|---------|-------------|-------------|----------|-----------|---|---------------------|-------------------------------|
|                    |                        | Transferred | Elected | Re-instated | Transferred | Deceased | Suspended | For non-payment of Subscriptions for 2016 |                     |                               |
| FELLOWS            | 498                    | 14          |         | 03          |             | 08       |           | 08  | 499                 | +1                            |
| HONORARY FELLOWS   | 03                     |             |         |             |             |          |           |   | 03                  | 0                             |
| MEMBERS            | 4,367                  | 290         | 03      | 111         | 14          | 05       |           | 171                                       | 4,581               | +214                          |
| ASSOCIATE MEMBERS  | 8,717                  | 1,233       | 308     | 245         | 290         |          |           | 863                                       | 9,350               | +633                          |
| AFFILLIATE MEMBERS | 67                     |             | 41      | 5           |             |          |           | 23  | 90                  | +23                           |
| COMPANION          | 11                     |             |         |             |             |          |           |   | 11                  | 0                             |
| ASSOCIATES         | 31                     |             |         |             |             |          |           | 3   | 28                  | -3                            |
| STUDENT MEMBERS    | 3,308                  |             | 2,905   | 3           | 1,233       |          |           |   | 4,983               | +1,675                        |
| TOTAL              | 17,002                 | 1,537       | 3,257   | 367         | 1,537       | 13       |           | 1,068                                     | 19,545              | +2,543                        |

Please Note:

1. Student Membership is not currently maintained with the Membership Management System.
2. During 2016/17 session 30 Fellows and 86 Members were transferred to Honorary Life Fellow and Honorary Life Member categories respectively. These are not indicated separately in the above Table.
3. Total number of Chartered Engineers added during the year is 293 (290 transferred and 3 elected under direct route).

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

## **6. EDUCATION**

The Education Committee had eleven (11) meetings during the session 2016/2017. 59 Students who have successfully completed IESL Engineering Course (Part I, II and III) were graduated at the Induction and Graduation ceremony. IESL Part I and II examinations were held in Feb/March 2017. The committee has prepared a pathway for engineers attached to Sri Lanka Navy to obtain IESL Associate membership and was approved by the Council. The Council appointed a committee chaired by Education committee Chairman Eng. (Dr) Kamal Laksiri and the other members include, Eng. (Dr) D.R.Dolage, Eng. K.P.I.U. Dharmapala and 4 Deans of the Engineering faculties of the Universities of Moratuwa, Peradeniya and Ruhuna and Open University to prepare a policy for future engineering education of Sri Lanka.

## **7. LIBRARY & PUBLICATION**

The Library and Publications Committee had 11 meetings during the session 2016/2017. The details of the activities are provided in the Library and Publication Committee report.

## **8. CPD COURSES**

The CPD Committee of the Institution organized 34 CPD Courses during the Session and 1,780 participants attended the courses as at September 2017.

The CPD committee prepared a long awaited comprehensive report on Policies & Procedural guidelines indicating how to accept and accredit a CPD program by the IESL. The report was approved by the Council and will be effective from January 2018. During the session, two CPD certificate awarding ceremonies were held to award certificates to those who had successfully completed the courses.

Arrangements have been made to commence nine CPD courses for middle level technicians. Coordinators have been appointed for each course and preparations are underway to commence courses in the near future.

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

**9. UNIVERSITY LIAISON COMMITTEE**

The University Liaison Committee had 4 meetings during the Session. The participation from all Universities of Peradeniya, Moratuwa, Ruhuna, Jaffna, South Eastern and Open University were highly satisfactory.

During the session, Student Chapters were re-activated, an IESL day was organized in each engineering faculty and new competitions were introduced for engineering undergraduates.

**10. 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.

**11. PROVINCIAL CHAPTERS AND DISTRICT CENTRES**

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

**12. 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 **“Technology and Innovation in Banking Industry’ by Eng. Aravinda Perera, (Chairman, Siyapatha Finance Ltd. & Former Managing Director, Sampath Bank PLC)** on October 26, 2016.
- Eng B D Rampala Memorial Oration on the theme **‘Modernized Railway – Answer to Sri Lanka’s Transit Needs’ by Eng./Plnr. Nihal Somaweera** on November 16, 2016
- Eng. (Prof) R H Paul Memorial Oration on the theme **‘Enabling Power Systems of the Future’ by Eng.(Prof.) Kithsiri M Liyanage** on February 9, 2017.
- Eng. Ray Wijewardene Memorial Oration on the theme **‘Nobody to Leader : Achieving Global Leadership with Software’ by Dr. Sanjiva Weerawarana (Founder CEO and Chief Architect of WSO2)** on September 7, 2017.
- Eng. (Prof.) E O E Pereira Memorial Oration on the theme **‘Green Entrepreneurship : A Promising path Towards a Sustainable Future’ by Eng.(Prof.) Ranjith Dissanayake (Senior Professor, Department of Civil Engineering, University of Peradeniya & Chairman, Green Building Council of Sri Lanka)** September 13, 2017.

- Eng. D J Wimalasurendra Memorial Lecture on the theme **‘Maintenance & Management of Hydro Power Assets’** by Eng. G A Jayantha, Additional General Manager, Ceylon Electricity Board on September 18, 2017.

### **13. NATIONAL ENGINEERING CONFERENCE 2017**

The National Engineering Conference was held successfully for the fourth time on September 22, 2017 at the Cinnamon Grand Hotel attended by around 350 participants. **Hon. Harin Fernando, Minister of Telecommunication and Digital Infrastructure was the Chief Guest at the inauguration of the Conference** which had **‘Engineering, the Digital Economy’** as its theme.

The Speakers and their Topics were as follows.

Mr. Ramesh Shanmuganathan – Expectations of Digital Economy  
 Mr. Sunil Hettiarachchi – Productivity in the Public Sector  
 Dr. Suresh De Mel – Challenges of the Digital Economy  
 Dr. Harsha Subasinghe – Digital Entrepreneurship  
 Mr. K Elangovan – Digital Buildings  
 Mr. Poorna Bandara - Building tomorrow’s work force

The attendance of seminar was highly satisfactory.

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

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

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

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

### **16. INDUCTION AND GRADUATION CEREMONY**

The Induction and Graduation Ceremony was held at the BMICH on August 25, 2017 with Dr. Indrajit Coomaraswamy, Governor of the Central Bank of Sri Lanka as the Chief Guest. Vidya Jyothi Eng.(Prof.) K K Y W Perera, Chancellor of the University of Moratuwa and a Past President of IESL graced the occasion as the Guest of Honor. Two Hundred and Eighty Seven (287) candidates who successfully completed the Professional Review were inducted as Chartered Engineers and Fifty Nine (59)

Students who successfully completed the IESL Engineering Course were presented with certificates.

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

**1. The Migara Rathnatunga Awards – 2016/2017:** For University Undergraduates for their performance during Industrial Training

| Category                                    | Name   | University               |
|---|--|--------------------------|
| Civil Engineering<br>Civil Engineering      | Ms K.P.S.T. Pathirana<br>Mr. A.A.I.S. Abeyesiriwardana | Peradeniya<br>Peradeniya |
| Electronics & Telecommunication Engineering | Mr. C. N. Suriyarachchi                                | Moratuwa                 |
| Electronics & Telecommunication Engineering | Mr. H.A.R.T. Wijsekera                                 | Moratuwa                 |
| Mechanical Engineering                      | Mr. T.M.K.B. Tennakoon                                 | Peradeniya               |
| Production Engineering                      | Ms. J.A.S. Jayasinghe                                  | Peradeniya               |
| Computer Science and Engineering            | Mr. W.C.D.C. Widanage                                  | Moratuwa                 |
| Chemical & Process Engineering              | Ms. D.C.J. Warnasuriya                                 | Moratuwa                 |

The following undergraduates were presented with a Certificate.

| Category                            | Name                       | University |
|-------------------------------------|----------------------------|------------|
| Civil & Environmental Engineering   | Ms. S.M.T.L. Samarakoon    | Ruhuna     |
| Civil & Environmental Engineering   | Ms. N. Jegatheesan         | Ruhuna     |
| Civil & Environmental Engineering   | Mr. T. Prasanthan          | Ruhuna     |
| Civil Engineering                   | Mr. N H V T N Nanayakkara  | Moratuwa   |
| Civil Engineering                   | Mr. M H V Lasantha         | Moratuwa   |
| Civil Engineering                   | Mr. R D W K Rubasinghe     | Moratuwa   |
| Civil Engineering                   | Ms R.M.A.DE. S. Thanapathy | Peradeniya |
| Electrical Engineering              | Mr. D.S. Saputhanthri      | Moratuwa   |
| Electrical & Information Eng.       | Mr. D.M.D. Premasiri       | Ruhuna     |
| Mechatronics Engineering            | Mr. D.R.G.R.P. Kulathunga  | OUSL       |
| Electronic & Communication Eng.     | Mr. M.S.S. Perera          | OUSL       |
| Electronic & Communication Eng.     | Ms. W.H.C. Brito           | OUSL       |
| Electrical & Electronic Engineering | Ms. P.D.U.N. Pathirage     | Peradeniya |
| Electrical & Electronic Engineering | Mr. H.M.N.M. Herath        | Peradeniya |

|  |   |  |
|--|---|--|
| Mechanical & Manufacturing Eng.<br>Mechanical & Manufacturing Eng.<br>Mechanical & Manufacturing Eng.<br>Mechanical Eng.<br>Mechanical Eng.<br>Mechanical Eng. | Mr. K.M.N.U. Kosgoda<br>Mr. G.B.K.Perera<br>Ms. D.M.W. Karadeniya<br>Mr. I.U.Ruhunage<br>Mr. T. A. Paranamana<br>Mr. B.S. Jurangpathy | Ruhuna<br>Ruhuna<br>Ruhuna<br>Moratuwa<br>Moratuwa<br>OUSL |
| Computer Engineering   | Ms. D. N. U. Naranpanawa  | Peradeniya   |
| Chemical & Process Eng.<br>Chemical & Process Eng.<br>Chemical & Process Eng.  | Ms. N.S. Weerasekara<br>Mr. R.M.M.S.B.Rathnayake<br>Ms. G.L.D.P.Gunawardana   | Peradeniya<br>Peradeniya<br>Moratuwa                       |
| Material Science & Engineering<br>Material Science & Engineering   | Ms. S.P.A. Madushani<br>Mr. R.W.D.H.S.Rajasekara  | Moratuwa<br>Moratuwa                                       |
| Textile Engineering  | Ms. T.P.Gamage  | Moratuwa   |
| Earth Resources Engineering  | Mr. W.D.S. Perera   | Moratuwa   |

**2. Eng. E W Karunaratna Award – 2016/2017:** For the best Undergraduate Project in Electrical Engineering

| <b>Project Name</b>                                   | <b>Presenter</b>    | <b>University</b>                |
|---|---------------------|----------------------------------|
| Early Detection Device for Microbial Spoilage of Food | Mr. M.P.U. Isuranga | The Open University of Sri Lanka |

The following undergraduates were presented with Certificates:

| <b>Project Name</b>  | <b>Presenters</b>   | <b>University</b>                |
|--|---|----------------------------------|
| Visible Light Communication through Smart Lighting System              | Mr. S.D.R.D. Samaraweera<br>Mr. D.D.C.D. Rupasinghe<br>Ms. R.M.S.P. Rathnayaka                  | Ruhuna                           |
| Reactive Power Compensation Study for Sri Lanka Power System           | Mr. B.M.M. Fernando   | The Open University of Sri Lanka |
| Wind Turbine Emulator for a Microgrid                                  | Ms. M.K.G.Y. Sewwandi<br>Ms. K.A.H. Lakshika<br>Mr. T. S. S. Senarathna<br>Mr. V. Y. Wong       | Moratuwa                         |
| Reduction of Solar PV Payback Period Using Optimally Placed Reflectors | Mr. D.T.P.Wijesuriya<br>Mr. K.D.S.H. Wickramathilaka<br>Mr. L.S. Wijesinghe<br>Mr. D.M. Vithana | Moratuwa                         |
| Design and Implement a Handheld  | Mr. W.E.P.S. Ediriweera   | Moratuwa                         |



|  |  |            |
|--|--|------------|
| Partial Discharge Detector for Condition Monitoring of Power System Assets                               | Mr. R.M.A.P. Rajakaruna<br>Mr. R.A.K.G. Ranasinghe<br>Mr. K.S. Priyanayana   |            |
| Integrated Automation Facility for Enhanced Learning   | Mr. S.S. Tissera<br>Mr. H.T.C. Leelananda<br>Ms. K.P.S. Lakshani<br>Mr. C.G.S. Jayawickrama  | Moratuwa   |
| A Tool For Estimating Remaining Life Time of Power Transformers  | Mr. K.L.I.M.P.B. Jayarathna<br>Ms. L.I. Ranasinghe<br>Ms. S.M.B.P. Samarakoon<br>Mr. W.D.A.G. Hilary<br>Mr. N.M.T.N. Rathnayake        | Moratuwa   |
| Design and Implementation of Measurement based Approach to Estimate the Synchronous Generator Parameters | Mr. M.A.D.T. Madurasinghe<br>Mr. M.G.N.I. Amarasekara<br>Mr. H.G.S.K. Perera<br>Mr. H.A.J.K. Hettiarachchi<br>Ms. D.M.M.W. Dissanayake | Moratuwa   |
| Electrooculography (EOG) based prosthetic arm  | Mr. K.I.K.R.C.S. Kandakkulama,<br>Mr. M.I.D. Samarasekara<br>Miss. H.H.N. Sankalani  | Peradeniya |
| Hyperspectral image analysis for feature detection   | Mr. T.S.J. Oorloff<br>Ms. S.S.P. Vithana<br>Ms. A.M.R. Abeysekara  | Peradeniya |
| Vision Based Mobile Robot for Reconnaissance   | Mr. T.H.M.N.C. Thelasingha<br>Mr. U.V.B.L. Udugama<br>Ms. E.M.S.P. Ekanayake   | Peradeniya |
| Underwater Visible Light MIMO Communication System   | Mr. M.S.M. Akram<br>Mr. L.G.D. Aravinda<br>Mr. M.K.P.D. Munaweera  | Peradeniya |
| Outdoor Human Navigation with GPS and Sensor System  | Mr. K.M.K. Weerakoon<br>Mr. K.S. Rupasinghe<br>Mr. T.P. Withanarachchi   | Peradeniya |

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

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

#### YOUNG MEMBERS TECHNICAL CONFERENCE – 2016

##### Award Winners

| Title of Paper   | Author/s  | Award       |
|--|---|-------------|
| Integration of Battery Energy Storage for Grid Scale Solar PV System | Eng. V G C Priyanga and Eng. (Ms.) R A R A Ranasinghe | FIRST PLACE |

|   |                               |              |
|---|-------------------------------|--------------|
| Modelling & Controlling Techniques for Aquaponics Systems   | Eng. P C P De Silva           | SECOND PLACE |
| Importance of Steps to be followed in Ingredient Mixing for the Best Quality Sprayable Polychloroprene Contact Adhesive | Eng. (Ms.) R A B L Ranasinghe | THIRD PLACE  |

**4. Late Eng. N D Peiris Memorial Award – 2016**

Award for the best 'A' Paper on Water Supply and Sanitation at the Professional Review Examinations of August/September 2016 and November/December 2016.

Award Winner : Eng. U D Morawaka

**5. Late Eng. L S De Silva Memorial Award – 2016:**

Award for the best performance of 'B' Paper at the Professional Review Examination August/September 2015 and February/March 2016.

Award Winner : Eng. K Kasinathan

**6. Following Junior Inventors were awarded scholarships:**

| No | Name                             | School  | Product Name                  |
|----|----------------------------------|---|-------------------------------|
| 1  | Master W S Udantha Abeywickrama  | Darmashoka College, Ambalangoda                       | Hydraulic Operated Vice       |
| 2  | Master G K N W Gangodawila       | Mayurapada Madya Maha Vidyalaya, Narammala            | Brick Wall Constructing Tool  |
| 3  | Master H D Lakmal Jayasinghe     | Sandalankawa National College, Sandalankawa           | Modified Level                |
| 4  | Master WBWMRE Bandara Dorstiyawa | Mayurapada Madya Maha Vidyalaya, Narammala            | Advance Vice                  |
| 5  | Master H D Ravindu Lakshitha     | Walisinghe Harishchandra Maha Vidyalaya, Anuradhapura | Aquatic Waste & Plant Remover |

**17. REGISTERING OF INTERNATIONAL PROFESSIONAL ENGINEERS**

The Registration Board had 4 meetings during the session. Four new International professional Engineers were admitted during the year. The names are stated below.

- |                              |             |
|------------------------------|-------------|
| 1. Eng. K G Chandrasena      | IntPE - 100 |
| 2. Eng. A M L Attanayake     | IntPE – 101 |
| 3. Eng. Kosala Kamburadeniya | IntPE – 102 |
| 4. Eng. A D J Seneviratne    | IntPE – 103 |

## **18. 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 programmes for reaccreditation:

- B.Sc Engineering Degree Programme in Civil Engineering conducted by the University of Peradeniya for the intake years from 2016 to 2016
- B.Sc Engineering Degree Programme in Mechanical Engineering conducted by the University of Peradeniya for the intake years from 2015 to 2019
- B.Sc Engineering (Honours) Degree Programme in Chemical and Process Engineering conducted by the University of Moratuwa for the intake years from 2016 to 2020
- B.Sc Eng (Honours) Degree Programme in Computer Science and Engineering conducted by the University of Moratuwa for the intake years from 2017 to 2019.
- B.Sc Eng (Honours) Degree Programme in Materials Science and Engineering Degree Programme of the University of Moratuwa for the intake years from 2016 to 2017
- B.Sc Engineering Degree Programme in Mechanical and Manufacturing Engineering conducted by the University of Ruhuna for the intake years from 2016 to 2020

The evaluation of the above mentioned four year full time degree programmes was done in accordance with the Engineering Degree Programme Accreditation Manual.

B. The B.Sc Engineering (Honours) Degree Programme in Earth Resources Engineering conducted by the University of Moratuwa was accredited for the first time and the accreditation granted will cover the intake years from 2011 to 2020. The evaluation of this four year full time degree programme was done in accordance with the Engineering Degree Programme Accreditation Manual.

- C. The period of accreditation granted to the B.Sc Engineering Degree Programme in Chemical and Process Engineering conducted by the University of Peradeniya was amended to include the intake years 2011, 2014 and 2020.
- D. An accreditation visit was made to the University of Peradeniya in September 2017 to assess its four year B.Sc Degree Programme in Computer Engineering for reaccreditation in accordance with the Engineering Degree Programme Accreditation Manual. The results of the evaluation are still pending.
- E. The following degree programmes conducted by the University of Vocational Technology (UNIVOTEC) which are of three years duration for week day students and four and a half years duration for weekend students were assessed in February 2017 for accreditation for the first time in accordance with the Engineering Technology Programme Accreditation Manual and received accreditation on the condition that both categories of students enrolling will have NVQ 5/ 6 entry qualifications, to cover the intake years 2013 and 2014.
- Bachelor of Technology Degree Programme in Building Services Technology
  - Bachelor of Technology Degree Programme in Manufacturing Technology
  - Bachelor of Technology Degree Programme in Mechatronics Technology

Graduates of the above engineering technology programmes who enrolled in 2013 and 2014 would qualify for admission to the class of Affiliate Membership of the Institution.

- F. An application was made in February 2017 to the Sydney Accord seeking provisional signatory status at the Accord. The signatories at their meeting held in Alaska, USA on June 21, 2017 decided to admit IESL as a provisional signatory of the Sydney Accord. The assessment of the UNIVOTEC degrees was done as a prerequisite to making the application for provisional signatory status at the Accord.
- G. A one day workshop on curriculum mapping and aligning of assessments was conducted on January 16, 2017 at the IESL by Prof. Julia Lamborn, Associate Dean (Education) of the Faculty of Engineering, Monash University, Australia for academic staff of universities in the field of civil engineering.

H. Eng. Priyal de Silva participated in an accreditation visit to McGill University, Canada as an observer in November 2016 to get familiarized with the procedure followed by Engineers Canada in conducting multi-programme accreditation visits.

I. A subcommittee was appointed by the Accreditation Board to make necessary revisions to the Engineering Programme Accreditation Manual.

#### **19. SRI LANKA ENGINEERING COUNCIL ACT**

The Sri Lanka Engineering Council Act was passed by the Parliament on 23<sup>rd</sup> February 2017. This Act provides for the establishment of the “Engineering Council” 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 the matters connected therewith.

#### **20. CORPORATE PLAN**

A subcommittee was appointed to monitor the implementation of tasks outlined in the Corporate Plan prepared for the period 2016-2020.

#### **21. OVERSEAS CHAPTERS**

The proposed extension of the constitution of the IESL Queensland Chapter was approved. The details of the activities of Overseas Chapters are provided in their respective Chapter reports.

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

IESL nominee, Eng. Priyalde Silva participated as an International Observer for accreditation conducted by Canadian Engineers Accreditation Board (CEAB) for the engineering study programmes at McGill University, Montreal, Canada, in November 2016

Eng. Jayavilal Meegoda, President & Eng. (Dr) Kamal Laksiri, Vice President represented the Institution at the 31<sup>st</sup> Indian Engineering Congress held in Kolkata, India from 16 – 18, December 2016.

Eng. Jayavilal Meegoda, President, Eng. Prof. (Mrs.) N. Ratnayake, President Elect and Eng. Prof. S.B.S. Abayakoon, Vice President attended the 57th Annual Convention of Institution of Engineers, Bangladesh on 27th January 2017. Eng. Prof.

(Mrs.) N. Ratnayake, President Elect presented the country paper at the Regional Seminar on “Regional Cooperation for ICT Sector Infrastructure Development & Service Plan” held on 28<sup>th</sup> January 2017, along with the Annual Sessions of IEB.

Eng. Jayavilal Meegoda - President participated the INTEL ISEF competition held in Los Angeles on 14<sup>th</sup> -22<sup>nd</sup> May 2017.

Eng. Jayavilal Meegoda - President participated the annual Convention of New South Wales (NSW) Chapter on 14<sup>th</sup> May 2017

Eng. Jayavilal Meegoda – President, Eng. Wimalasena Gamage – Immediate Past President, Eng.(Prof.) Mrs. Niranjanie Ratnayake – President Elect and Eng. (Ms) Arundathi Wimalasuriya – Director (Accreditation) represented the Institution at the midterm meetings of the International Engineering Alliance (IEA) Meetings 2017 held from June 18-23, 2017 in Anchorage, Alaska, United States.

During this session too, IESL conducted the Professional Review ‘B’ Paper Aug/Sept examination in Qatar on 3<sup>rd</sup> September 2017. Eng. (Prof) Mrs. Niranjanie Ratnayake, President Elect visited IESL Qatar Chapter and attended as an Observer.

## **23. FEISCA**

The 52nd Executive Committee Meeting of the Federation of Engineering Institutions of South and Central Asia (FEISCA) will be held on 21<sup>st</sup> October 2017 at 18.00hrs at the Cinnamon Grand Hotel under the Chairmanship of Eng. Jayavilal Meegoda, President - FEISCA.

A FEISCA Regional Conference on the theme **“Energy Policy for Regional Cooperation & Development”** will be held on 21<sup>st</sup> October 2017 at the Hotel Taj Samudra, 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 2016/2017:

Eng. (Dr.) Kamal Laksiri  
Eng. (Prof.) Sarath Abayakoon  
Eng. (Prof.) D A R Dolage

The following served as the Ex-officio Members of the Board of Directors for the Session 2016/2017.

|                               |                          |
|-------------------------------|--------------------------|
| Eng. Jayavilal Meegoda        | President                |
| Eng. Wimalasena Gamage        | Immediate Past President |
| Eng. (Prof.) Mrs. N Ratnayake | President-Elect          |
| Eng. Neil Abeysekera          | CEO/Executive Secretary  |

**25. ECONOMIC & TECHNOLOGY CORPORATION AGREEMENT (ETCA)**

IESL was represented at the discussions with relevant government officials on the proposed ETCA by the President, President – Elect, Dr. Kamal Laksiri -Vice President and Council Member Eng. A. Manamperi.

**26. PROMOTING THE IMAGE OF ENGINEERS AMONG THE PUBLIC**

Engineering related articles by members are being published in the Sunday Times Newspaper – Business Section.

**27. 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. J Meegoda
- IESL representation at the 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. Tilak De Silva
- National Advisory Council on Construction, Ministry of Housing & Construction – Eng.(Dr.) Kamal Laksiri
- Main Planning Committee of the UDA - Eng. J Meegoda & Eng. K S Senanayake
- 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
- Evaluation Panel on CIDA Award of Eminence – Eng. W Gamage
- Committee for Drafting Standards, Rules and Regulations for Environmental and Public Health in the Construction Industry at CIDA – Eng. Prof. (Mrs.) N. Ratnayake
- Committee for drafting Standards, Rules and Regulations for Ethical and Social Responsibility in Construction Industry – Eng. Shavindranath Fernando
- Construction Competition for Excellence Award, NCASL – Eng. M N A Samad & Eng. K S Senanayake
- Faculty Industry Consultative Board of the Faculty of Engineering, University of Moratuwa – Eng. J Meegoda
- Technical Evaluation Committee of the National Institute of Plantation Management – Eng. Manjula Samarasinghe
- Technical Evaluation Committee and Buildings Committee of the National Science Foundation – Eng. Manjula Samarasinghe & Eng. Tharaka Abeysekera
- Program Review Panel for BSc Eng in Information & Communication Engineering – Eng. (Dr.) Chandana Gamage
- Committee to submit proposals for the Improvement of GCE(A/L) technological stream, Ministry of Education – Eng. Dayan Herath
- Steering Committee of Plumber Licensing System and Development of Regulatory measures for Water Fittings – Eng. P H Sarath Gamini

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

The photograph of the Immediate Past President - Eng. Wimalasena Gamage was unveiled during a ceremony held on August 4, 2017.

## **29. OBITUARIES**

The Council records with deep regret the passing away of the following members brought to its notice during the Session 2016/2017.

|                        |         |
|------------------------|---------|
| Eng. S Chandrapalan    | M-1920  |
| Eng. N A L Cooray      | HLM-359 |
| Eng. W R F Fonseka     | HLF-642 |
| Eng. H G Tilakaratna   | 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 Dharmaratna   | M-335   |
| Eng. V Navaratnarajah    | HLM-113 |
| Eng. Nimal Rajapaksha    | F-888   |
| Eng. K. Ariyananda       | M-645   |
| Eng. K Suntheralingam    | F-504   |

### **30. IMPROVEMENTS TO INFRASTRUCTURE FACILITIES**

During the Session, construction of a new washroom complex at the ground floor-rear building, installation and commissioning of 50 kWp grid connected Solar power system, renovation of the wash room facilities of 1<sup>st</sup> and 2<sup>nd</sup> floors of Main building, expansion of the Finance division located at ground floor of the main building and Member Rest area at the Ground floor- rear building, improvements to three lecture halls of the rear building were initiated and majority of them were completed.

### **31. MEMBERSHIP MANAGEMENT SYSTEM**

A new membership management system is to be introduced as the existing Wild Apricot system has capacity issues. Tender has been awarded to Procons Infotech (Pvt) Ltd and the proposed system is to be implemented within the first quarter of next session.

### **32. E-VOTING**

A long felt need for Electronic Voting for the Elections to the Council had been introduced and successfully implemented in this session.

### **33. REVISION OF CODE OF ETHICS**

Recommendations of the Sub-committee appointed by the Professional Affairs Committee on existing Code of Ethics were approved by the Council and will be tabled at the AGM for adoption.

#### **34. PROCUREMENT GUIDELINES OF GOVERNMENT OF SRI LANKA**

Subcommittee appointed to study and prepare the proposals to the existing Procurement Guidelines submitted IESL comments and observations to the National Procurement Commission.

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

##### **a. New Appointments**

- i. Eng. Neil Abeysekera as the Deputy Executive Secretary from January 6, 2017
- ii. Mr. Sasitha Madanasinghe as the Accountant from January 1, 2017
- iii. Mr. Dhammika Ratnayake as the Assistant Librarian from December 15, 2016
- iv. Eng. M A Panditharatne as the Deputy Executive Secretary (Membership) from September 1, 2017
- v. Eng. Neil Abeysekera as the CEO/Executive Secretary from September 11, 2017
- vi. Ms. Dilini Jayasinghe as the Director – Education from October 23, 2017
- vii. Ms. W A N Wanigabadu as the Manager (Finance) from October 24, 2017

##### **b. Resignations/ Retirements**

- i. Eng. (Dr.) Jagath Peiris, Chief Executive Officer/Executive Secretary from February 20, 2017
- ii. Ms. Shiranthi Kulatunga, Manager (Finance) from April 16, 2017

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

The following were the Returning Officers for the elections 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 could 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 could 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 are 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 Piyarathna                                       | 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<br>Representatives – Fellows | Paper<br>Votes | E-Votes | Total<br>No. of<br>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<br>Representatives – Members (Above 40) | Paper<br>Votes | E-Votes | Total<br>No. of<br>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<br>Representatives – Members (Below 40) | Paper<br>Votes | E-Votes | Total<br>No. of<br>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.

### 37. **TECHNO 2017**

Techno 2017 was officially launched on June 12, 2017 at the Hotel Galadari. The exhibition was opened to the public on October 13, 14 & 15, 2017 at the BMICH, Colombo. The theme for this year's Techno Exhibition is "Empowering Innovation – Smart, Inventive, Disruptive Technologies for Sustainable Development".

### 38. **ANNUAL SESSIONS 2017**

Hon. Patalie Champika Ranawaka, Minister of Megapolis and Western Development will be the Chief Guest and Hon. (Dr) Harsha De Silva, Deputy Minister of Policy Planning and Economic Development will be the Guest of Honor for the ceremonial inauguration of the 111<sup>th</sup> Annual Sessions that is scheduled to be held on October 20, 2017 at the BMICH. Prof. Tim Broyd, President of the Institution of Civil Engineers, is invited to be the Keynote Speaker.

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

- (i) The **E O E Pereira Award** for the Best Paper presented at the Annual Sessions 2016 to Eng. N.K. Jayasooriya, Eng. H.L.K. Perera and Eng. (Prof.) J.M.S.J. Bandara for their Paper titled “Assessing the Suitability of Providing Separate Openings for U-Turns at Signalized Intersections”
- (ii) The **IESL Award** for the Best Paper by a Corporate Member published in the “Engineer” Journal during the Session 2016/2017 to Eng.(Prof.) K D W Nandalal, Eng. H P G M Caldera and Eng. V R P C Piyathisse for their Paper titled “A Comparison of Methods for Estimating Missing Daily Rainfall Data”.
- (iii) The **S D & C C Award** – for the Best Paper by an Associate Member published in the ‘Engineer’ Journal during the Session 2016/2017 to Eng. C P G Jayalath, Eng. N S Miguntanna and Eng. H A K C Perera for their Paper titled “Burnt Clay Bricks as an Alternative Filter Media for Pebble Matrix Filters (PMF)”
- (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 December 31, 2017

(i) Honorary Life Fellows

|    |                              |       |
|----|------------------------------|-------|
| 01 | Eng. T B Madugalle           | F-422 |
| 02 | Eng. R S A Peiris            | F-436 |
| 03 | Eng. K Herath                | F-455 |
| 04 | Eng. D L Wijesinghe          | F-467 |
| 05 | Eng. T K G Ranasinghe        | F-482 |
| 06 | Eng. (Dr.) M A R V Fernando  | F-514 |
| 07 | Eng. S Withana               | F-565 |
| 08 | Eng. K M N S Fernando        | F-583 |
| 09 | Eng. G J N L Soysa           | F-609 |
| 10 | Eng.(Prof) M Kumaraswamy     | F-614 |
| 11 | Eng.(Dr.) S A K Abayawardana | F-648 |
| 12 | Eng.SMKSMGB Senanayake       | F-689 |
| 13 | Eng. D R N Ferdinando        | F-700 |
| 14 | Eng. M V R Perera            | F-704 |
| 15 | Eng. M W Leelaratne          | F-724 |
| 16 | Eng. (Dr.) A Ranasinghe      | F-740 |
| 17 | Eng. W S M Perera            | F-756 |
| 18 | Eng. (Ms.) G S Munasinghe    | F-782 |
| 19 | Eng. (Ms.) V Nallathamby     | F-784 |



|    |                              |        |
|----|------------------------------|--------|
| 20 | Eng. R J Gunawardana         | F-792  |
| 21 | Eng. A K Lokuliyana          | F-794  |
| 22 | Eng.(Ms.) T P Lamabadusuriya | F-799  |
| 23 | Eng. M Y Zainudeen           | F-833  |
| 24 | Eng. C Wijayaratne           | F-845  |
| 25 | Eng. L T Wijesuriya          | F-852  |
| 26 | Eng. W Gamage                | F-860  |
| 27 | Eng. G N A Seneratyapa       | F-966  |
| 28 | Eng.(Prof.) A R T De Silva   | F-987  |
| 29 | Eng. E N H Liyanage          | F-1044 |
| 30 | Eng. D A Karunadasa          | F-1050 |

(ii) Honorary Life Members

|    |                          |       |
|----|--------------------------|-------|
| 01 | Eng. K Suntharalingam    | M-504 |
| 02 | Eng. W Gallage           | M-598 |
| 03 | Eng. S I R Croos         | M-692 |
| 04 | Eng. J A S A Jayasinghe  | M-693 |
| 05 | Eng. P Kumarasingham     | M-694 |
| 06 | Eng. I H D Sumanaratne   | M-695 |
| 07 | Eng. M H Abeygunawardane | M-700 |
| 08 | Eng. T Thavasilingam     | M-722 |
| 09 | Eng. R N C Fernando      | M-725 |
| 10 | Eng. G A W R Fernando    | M-726 |
| 11 | Eng. A A Sirisena        | M-735 |
| 12 | Eng. C L E Koelmeyer     | M-736 |
| 13 | Eng. O J S Perera        | M-737 |
| 14 | Eng. D G R Jayasinghe    | M-740 |
| 15 | Eng. S S Ranatunge       | M-741 |
| 16 | Eng. J Karunanayake      | M-742 |
| 17 | Eng. S Sarukasan         | M-755 |
| 18 | Eng. P J Samaratunge     | M-766 |
| 19 | Eng. H L Jayawardena     | M-768 |
| 20 | Eng. S Weeratunga        | M-771 |
| 21 | Eng. D S Jayasinghe      | M-779 |
| 22 | Eng. D R Abeywickrema    | M-784 |
| 23 | Eng. Kalinga U Pelpola   | M-786 |
| 24 | Eng. N Bogahalande       | M-793 |
| 25 | Eng. B D C H De Tissera  | M-798 |
| 26 | Eng. T J Weerasinghe     | M-803 |
| 27 | Eng. R M P Jayaratne     | M-805 |
| 28 | Eng. K K Gunawardana     | M-816 |
| 29 | Eng. A P P Seneviratne   | M-817 |
| 30 | Eng. B A Gunaratne       | M-827 |
| 31 | Eng. A Anantharajah      | M-833 |
| 32 | Eng. A J A Gunawardena   | M-837 |

|    |                              |        |
|----|------------------------------|--------|
| 33 | Eng. S D Jayakody            | M-855  |
| 34 | Eng. L U Nirodhawardene      | M-857  |
| 35 | Eng. M S T Fonseka           | M-870  |
| 36 | Eng. N E F De S W Gooneratne | M-872  |
| 37 | Eng. L S Perera              | M-886  |
| 38 | Eng. J M Samoon              | M-889  |
| 39 | Eng. K Theivasagayam         | M-891  |
| 40 | Eng. S S Ediriweera          | M-906  |
| 41 | Eng. K Mahanandan            | M-909  |
| 42 | Eng. K Selvarasa             | M-911  |
| 43 | Eng. S A Fernando            | M-936  |
| 44 | Eng. A M Dedigama            | M-937  |
| 45 | Eng. B S Liyanagama          | M-959  |
| 46 | Eng. K Sriskandarajah        | M-970  |
| 47 | Eng. H T Senaratne           | M-973  |
| 48 | Eng. H. M. G Herath          | M-985  |
| 49 | Eng. M A M S Munasinghe      | M-997  |
| 50 | Eng. (Ms.) H Y Fernando      | M-1015 |
| 51 | Eng. M N R Cooray            | M-1018 |
| 52 | Eng. H M Jayatillake         | M-1020 |
| 53 | Eng. D N D Perera            | M-1070 |
| 54 | Eng. N H L S Fernando        | M-1081 |
| 55 | Eng. K L S Kaviratne         | M-1092 |
| 56 | Eng. D Kapurubandara         | M-1095 |
| 57 | Eng. A P H Perera            | M-1102 |
| 58 | Eng. N S Jayaratne           | M-1116 |
| 59 | Eng. D A P S Daranagama      | M-1131 |
| 60 | Eng. Y Weerasinghe           | M-1142 |
| 61 | Eng. R L Alwis               | M-1150 |
| 62 | Eng. M Thuraisamy            | M-1218 |
| 63 | Eng. S U Gunasekera          | M-1221 |
| 64 | Eng. G V Ratnasara           | M-1226 |
| 65 | Eng. T Jayasinghe            | M-1230 |
| 66 | Eng. V L A Ratnayake         | M-1231 |
| 67 | Eng. M Attanayake            | M-1265 |
| 68 | Eng. P Wijayasurendra        | M-1281 |
| 69 | Eng. B W N Rupasinghe        | M-1291 |
| 70 | Eng. N Y Fernando            | M-1400 |
| 71 | Eng. R.S.M.P.B. Ramanayake   | M-1427 |
| 72 | Eng. N N I R Fernando        | M-1469 |
| 73 | Eng. V Ratnasothy            | M-1502 |
| 74 | Eng. K K A B Samarasinghe    | M-1585 |
| 75 | Eng. D L Kumudu              | M-1642 |
| 76 | Eng. T A Wickramasinghe      | M-1758 |
| 77 | Eng. A V A P Amarasinghe     | M-1762 |
| 78 | Eng. S Samarasekara          | M-1889 |
| 79 | Eng. P S Ranasinghe          | M-2353 |

|    |                              |        |
|----|------------------------------|--------|
| 80 | Eng. W A U Gunawardena       | M-2381 |
| 81 | Eng. Jayantha J P Ameratunga | M-2476 |
| 82 | Eng. K R G Gunasinghe        | M-2523 |
| 83 | Eng. M A Francis             | M-2869 |
| 84 | Eng. J P Abeysinghe          | M-2892 |
| 85 | Eng. R G P Nanayakkara       | M-2980 |
| 86 | Eng. S Pathinather           | M-4385 |

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

|    |   |        |
|----|---|--------|
| 01 | Eng. D V Abeysinghe                     | F-1045 |
| 02 | Eng. X V Coonghe                        | F-1046 |
| 03 | Eng. W G C L Weerasekara                | F-1047 |
| 04 | Eng. N U K Ranatunga                    | F-1048 |
| 05 | Eng. A M G Perera                       | F-1049 |
| 06 | Eng. D A Karunadasa                     | F-1050 |
| 07 | Eng. W M A V Fernando                   | F-1051 |
| 08 | Eng. Kosala Kamburadeniya               | F-1052 |
| 09 | Eng. (Mrs.)GWTC Kandamby                | F-1053 |
| 10 | Eng. B H T Kulasekara                   | F-1054 |
| 11 | Eng. A D J Seneviratne                  | F-1055 |
| 12 | Eng. P B Abeykoon                       | F-1056 |
| 13 | Eng. S H U De Silva                     | F-1057 |
| 14 | Eng.(Air Vice Marshal)<br>R J Pathirage | F-1058 |

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

|     |                           |             |
|-----|---------------------------|-------------|
| 01. | Eng. K G Chandrasena      | IntPE - 100 |
| 02. | Eng. A M L Attanayake     | IntPE – 101 |
| 03. | Eng. Kosala Kamburadeniya | IntPE – 102 |
| 04. | Eng. A D J Seneviratne    | IntPE – 103 |

### **39. ENGINEERS' NIGHT 2017**

IESL Engineers' Night was held on August 12, 2017 at the Hotel Taj Samudra with a record participation of more than 400 members.

### **40. IESL CHRISTMAS PARTY**

Christmas party was held with the participation of Members, spouses and children on Saturday, December 10, 2016 at the Members Lounge.

#### **41. IESL NEW YEAR FESTIVAL**

The IESL held its 'Avrudu Ullela 2017' new year festival on 29th April 2017, from 8.00am to 5.00pm, at the Women's International Club, Colombo 07. Members and their families participated in traditional festivities of the Sinhala and Tamil New Year.

#### **42. COUNCIL MEETINGS : ATTENDANCE RECORD DURING THE SESSION 2016/2017**

A total of 16 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 6, 2017 is given below.

|     | <b>Name</b>                  | <b>Post</b>                       | <b>Total</b> |
|-----|------------------------------|-----------------------------------|--------------|
| 01. | Eng. Jayavilal Meegoda       | President                         | 16           |
| 02. | Eng. Wimalasena Gamage       | Immediate Past President          | 12           |
| 03. | Eng. W J L S Fernando        | Past President                    | 12           |
| 04. | Eng (Prof.) Mrs. N Ratnayake | President-Elect                   | 15           |
| 05. | Eng.(Dr.) L B K Laksiri      | Vice President                    | 14           |
| 06. | Eng.(Prof.) S B S Abayakoon  | Vice President                    | 14           |
| 07. | Eng.(Prof.) D A R Dolage     | Vice President                    | 15           |
| 08. | Eng. Granie R Jayalath       | Honorary Secretary                | 16           |
| 09. | Eng. A P Ranjith De Silva    | Honorary Treasurer                | 16           |
| 10. | Eng. T M R Dissanayake       | Chairman – Agri & Plant. ESC      | 06           |
| 11. | Eng. S S Gunawardana         | Chairman – Building Services ESC  | 14           |
| 12. | Eng. K G H Kodagoda          | Chairman – Chem & Process ESC     | 09           |
| 13. | Eng. M N A Samad             | Chairman – Civil ESC              | 13           |
| 14. | Eng. Kosala Kamburadeniya    | Chairman – Elect / Electronic ESC | 16           |
| 15. | Eng.(Lt.Col) Dr. C D Gamage  | Chairman – IT & C ESC             | 16           |
| 16. | Eng. A Manamperi             | Chairman – Mechanical ESC         | 16           |
| 17. | Eng. K P I U Dharmapala      | Representative Fellow             | 11           |
| 18. | Eng. M K Hapuarachchi        | Representative Fellow             | 13           |
| 19. | Eng.(Prof.) T M Pallewatta   | Representative Fellow             | 15           |
| 20. | Eng. P Thangamayil           | Representative Fellow             | 15           |
| 21. | Eng.(Mrs) S H Gunawardana    | Representative Fellow             | 09           |
| 22. | Eng. I R P Gunatilaka        | Representative Fellow             | 07           |
| 23. | Eng. P C Jinasena            | Representative Member             | 12           |

|     |                          |                       |    |
|-----|--------------------------|-----------------------|----|
| 24. | Eng. M R Ranatunga       | Representative Member | 11 |
| 25. | Eng. M G Hemachandra     | Representative Member | 12 |
| 26. | Eng. Mangala Silva       | Representative Member | 09 |
| 27. | Eng. A P K Mutunayake    | Representative Member | 09 |
| 28. | Eng. D Dharmaratne       | Representative Member | 10 |
| 29. | Eng. M D S Wijayabandara | Representative Member | 11 |
| 30. | Eng. P A Samira Anuradha | Representative Member | 13 |
| 31. | Eng. H D B P Herath      | Representative Member | 14 |
| 32. | Eng. S A P C Siriwardana | Representative Member | 10 |

**43. 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.

\* \* \* \* \*

**INDEPENDENT AUDITOR'S 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 statements of the Institute and its subsidiary ("Group") which comprise the statement of financial position as at 31<sup>st</sup> December, 2016 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 as set out on pages 05 to 25.

**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 Standard for Small and Medium-sized Entities and for such internal control as the 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 judgement, 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 the 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 qualified audit opinion.

**Basis for Qualified Opinion**

The financial statements of IESL College of Engineering (Private) Limited (the "subsidiary company") for the year ended 31<sup>st</sup> December, 2015 were pending approval by the members of the Institute at the Annual General Meeting held last year. The opening balances for the consolidated financial statements for the year ended 31<sup>st</sup> December, 2016 were derived based on the financial statements of the subsidiary company for the year ended 31<sup>st</sup> December, 2015 which is pending approval.

**Qualified Opinion**

In our opinion, except for the effects of the matter described in the Basis for Qualified Opinion paragraph, the consolidated financial statements give a true and fair view of the financial position of the Group as at 31<sup>st</sup> December, 2016 and its financial performance and its cash flows for the year then ended in accordance with Sri Lanka Accounting Standard for Small and Medium-sized Entities.

**Emphasis of matter**

Without qualifying our opinion, we draw attention to the uncertainty on the results of the legal case filed against the Institute and the subsidiary company on the operations of the subsidiary company as stated in note 32.1 to the financial statements. The outcome of the case will have an implication on the going concern of the subsidiary company. However, the financial statements of the group and the subsidiary company for the year ended 31<sup>st</sup> December 2016 have been prepared based on the going concern assumption by the Council.

**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<sup>st</sup> December, 2016 and of its financial performance and cash flows for the year then ended in accordance with Sri Lanka Accounting Standard for Small and Medium-sized Entities.



**CHARTERED ACCOUNTANTS**

Colombo

12<sup>th</sup> October, 2017

VR/um

THE INSTITUTION OF ENGINEERS, SRI LANKA  
STATEMENT OF COMPREHENSIVE INCOME  
FOR THE YEAR ENDED 31ST DECEMBER, 2016

|   | Note | Group        |              | Entity       |              |
|---|------|--------------|--------------|--------------|--------------|
|   |      | 2016<br>Rs.  | 2015<br>Rs.  | 2016<br>Rs.  | 2015<br>Rs.  |
| Revenue from students' and members' activities          | 4    | 302,247,177  | 240,584,287  | 110,264,295  | 90,490,037   |
| Direct expenditure on students' and members' activities | 5    | (52,717,204) | (38,757,783) | (15,951,565) | (14,541,860) |
| Contribution before employee costs and overheads        |      | 249,529,973  | 201,826,504  | 94,312,730   | 75,948,177   |
| <b>Operating expenditure</b>                            |      |              |              |              |              |
| Employees' costs  | 6    | (69,784,213) | (47,831,911) | (32,173,634) | (28,212,278) |
| Publications, newsletters and others                    | 7    | (8,429,941)  | (6,662,850)  | (6,116,570)  | (5,546,485)  |
| Utilities   | 8    | (25,480,450) | (17,830,929) | (12,208,286) | (11,404,886) |
| General administration expenses                         | 9    | (56,291,278) | (73,354,996) | (15,731,847) | (14,456,488) |
| Depreciation on property, plant and equipment           | 14   | (22,555,537) | (14,061,596) | (8,795,982)  | (7,328,014)  |
| Provincial centre expenses                              | 10   | (3,365,000)  | (3,360,000)  | (3,365,000)  | (3,360,000)  |
| Net surplus/(deficit) of operating activities           |      | 63,623,554   | 38,724,222   | 15,921,411   | 5,640,026    |
| Other income  | 11   | 28,812,554   | 21,137,966   | 43,820,174   | 23,755,420   |
| Other expenses  | 12   | (22,236,947) | (16,390,391) | (20,085,189) | (16,357,355) |
| Finance charges   | 13   | (1,526,296)  | (1,148,386)  | (1,526,296)  | (1,148,386)  |
| Net surplus/(deficit) on non-operating activities       |      | 5,049,311    | 3,599,189    | 22,208,689   | 6,249,679    |
| Net surplus/(deficit) before taxation                   |      | 68,672,865   | 42,323,411   | 38,130,100   | 11,889,705   |
| Income tax expenses                                     |      | (6,756,231)  | (6,236,191)  | -            | -            |
| Surplus/(deficit) for the year                          |      | 61,916,634   | 36,087,220   | 38,130,100   | 11,889,705   |
| Other comprehensive income                              |      | -            | -            | -            | -            |
| Total comprehensive income for the year                 |      | 61,916,634   | 36,087,220   | 38,130,100   | 11,889,705   |

Figures in brackets indicate deductions.

The accounting policies and notes on pages 05 to 25 form an integral part of these financial statements.

Colombo 07  
12th October, 2017





THE INSTITUTION OF ENGINEERS, SRI LANKA  
STATEMENT OF FINANCIAL POSITION  
AS AT 31ST DECEMBER, 2016

|                                      |      | Group              |                    | Entity             |                    |
|--------------------------------------|------|--------------------|--------------------|--------------------|--------------------|
|                                      | Note | 2016<br>Rs.        | 2015<br>Rs.        | 2016<br>Rs.        | 2015<br>Rs.        |
| <b>ASSETS</b>                        |      |                    |                    |                    |                    |
| <b>Non-current assets</b>            |      |                    |                    |                    |                    |
| Property, plant and equipment        | 14   | 140,816,874        | 129,729,823        | 99,529,132         | 101,685,108        |
| Intangible Assets                    | 15   | 2,773,735          | -                  | -                  | -                  |
| Capital work-in-progress             | 16   | -                  | 5,784,754          | -                  | -                  |
| Other financial assets               | 17   | 7,006,423          | 6,623,216          | 7,006,423          | 6,623,216          |
| Investment in subsidiary             | 18   | -                  | -                  | 10                 | 10                 |
| <b>Total non-current assets</b>      |      | <b>150,597,032</b> | <b>142,137,793</b> | <b>106,535,565</b> | <b>108,308,334</b> |
| <b>Current assets</b>                |      |                    |                    |                    |                    |
| Inventories                          | 19   | 2,288,635          | 2,782,600          | 2,117,695          | 2,474,760          |
| Accounts receivables                 | 20   | 15,753,725         | 16,448,226         | 10,199,736         | 6,194,730          |
| Amount due from related party        | 21   | -                  | -                  | -                  | 3,793,500          |
| Deposits, prepayments and advances   | 22   | 9,684,382          | 4,352,666          | 8,619,680          | 3,993,666          |
| Financial assets                     | 23   | 132,717,460        | 108,933,207        | 132,717,460        | 108,933,207        |
| Cash and cash equivalents            | 24   | 65,634,683         | 61,682,113         | 38,449,685         | 30,324,827         |
| <b>Total current assets</b>          |      | <b>226,078,885</b> | <b>194,198,812</b> | <b>192,104,256</b> | <b>155,714,690</b> |
| <b>Total assets</b>                  |      | <b>376,675,917</b> | <b>336,336,605</b> | <b>298,639,821</b> | <b>264,023,024</b> |
| <b>FUNDS AND LIABILITIES</b>         |      |                    |                    |                    |                    |
| Accumulated fund                     |      | 326,462,234        | 264,545,600        | 266,351,639        | 228,221,539        |
| Library fund                         | 25   | 500,362            | 500,362            | 500,362            | 500,362            |
| Funds backed by specific investments | 26   | 10,740,705         | 10,142,869         | 10,740,705         | 10,142,869         |
|                                      |      | <b>337,703,301</b> | <b>275,188,831</b> | <b>277,592,706</b> | <b>238,864,770</b> |
| <b>Non-current liabilities</b>       |      |                    |                    |                    |                    |
| Retirement benefit obligation        | 27   | 6,833,913          | 6,069,513          | 6,833,913          | 6,069,513          |
| <b>Total non-current liabilities</b> |      | <b>6,833,913</b>   | <b>6,069,513</b>   | <b>6,833,913</b>   | <b>6,069,513</b>   |
| <b>Current liabilities</b>           |      |                    |                    |                    |                    |
| Accounts payable                     | 28   | 12,542,106         | 27,127,194         | 7,900,908          | 11,365,440         |
| Receipts in advance                  | 29   | 6,716,140          | 17,790,494         | 5,443,940          | 4,870,494          |
| Amount due to related party          | 30   | -                  | -                  | 2,000              | -                  |
| Income tax payable                   |      | 1,132,127          | 5,032,480          | -                  | -                  |
| Bank overdraft                       | 24   | 11,748,330         | 5,128,093          | 866,354            | 2,852,807          |
| <b>Total current liabilities</b>     |      | <b>32,138,703</b>  | <b>55,078,261</b>  | <b>14,213,202</b>  | <b>19,088,741</b>  |
| <b>Total funds and liabilities</b>   |      | <b>376,675,917</b> | <b>336,336,605</b> | <b>298,639,821</b> | <b>264,023,024</b> |
| Commitments and contingencies        |      |                    |                    |                    |                    |

31 & 32

Figures in brackets indicate deductions.

The accounting policies and notes on pages 05 to 25 form an integral part of these financial statements.

The members of the Council is responsible for the preparation and presentation of these financial statements.

Approved and signed for and on behalf of the Council.

Eng. Mr. J. Meegoda  
President

Eng. Mr. A.P.R. De Silva  
Treasurer

Colombo 07  
12th October, 2017  
VR/um



THE INSTITUTION OF ENGINEERS, SRI LANKA  
STATEMENT OF CHANGES IN FUNDS AND RESERVES  
FOR THE YEAR ENDED 31ST DECEMBER, 2016

Group

|  | Accumulated<br>fund<br>Rs. | Library<br>fund<br>Rs. | Funds<br>backed by<br>specific<br>investments<br>Rs. | Total<br>Rs. |
|--|----------------------------|------------------------|--|--------------|
| Balance as at 01st January, 2015   | 228,458,380                | 500,362                | 10,577,756   | 239,536,498  |
| Net surplus/(deficit) for the year   | 36,087,220                 | -                      | -  | 36,087,220   |
| Other comprehensive income for the year  | -                          | -                      | -  | -            |
| Balance before transfers to/from reserves  | 264,545,600                | 500,362                | 10,577,756   | 275,623,718  |
| Increase/decrease in donor's restricted<br>contributions for specific operations | -                          | -                      | (434,887)  | (434,887)    |
| Balance as at 31st December, 2015  | 264,545,600                | 500,362                | 10,142,869   | 275,188,831  |
| Balance as at 01st January, 2016   | 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  | -                          | -                      | -  | -            |
| Balance before transfers to/from reserves  | 326,462,234                | 500,362                | 10,142,869   | 337,105,465  |
| Increase/decrease in donor's restricted<br>contributions for specific operations | -                          | -                      | 597,836  | 597,836      |
| Balance as at 31st December, 2016  | 326,462,234                | 500,362                | 10,740,705   | 337,703,301  |

Entity

|  | Accumulated<br>fund<br>Rs. | Library<br>fund<br>Rs. | Funds<br>backed by<br>specific<br>investments<br>Rs. | Total<br>Rs. |
|--|----------------------------|------------------------|--|--------------|
| Balance as at 01st January, 2015   | 216,331,834                | 500,362                | 10,577,756   | 227,409,952  |
| Net surplus/(deficit) for the year   | 11,889,705                 | -                      | -  | 11,889,705   |
| Other comprehensive income for the year  | -                          | -                      | -  | -            |
| Balance before transfers to/from reserves  | 228,221,539                | 500,362                | 10,577,756   | 239,299,657  |
| Increase/decrease in donor's restricted<br>contributions for specific operations | -                          | -                      | (434,887)  | (434,887)    |
| Balance as at 31st December, 2015  | 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  | -                          | -                      | -  | -            |
| Balance before transfers to/from reserves  | 266,351,639                | 500,362                | 10,142,869   | 276,994,870  |
| Increase/decrease in donor's restricted<br>contributions for specific operations | -                          | -                      | 597,836  | 597,836      |
| Balance as at 31st December, 2016  | 266,351,639                | 500,362                | 10,740,705   | 277,592,706  |

Figures in brackets indicate deductions.

The accounting policies and notes on pages 05 to 25 form an integral part of these financial statements.

Colombo 07  
12th October, 2017



THE INSTITUTION OF ENGINEERS, SRI LANKA  
STATEMENT OF CASH FLOWS  
FOR THE YEAR ENDED 31ST DECEMBER, 2016

|   | Group               |                     | Entity              |                     |
|---|---------------------|---------------------|---------------------|---------------------|
|   | 2016<br>Rs.         | 2015<br>Rs.         | 2016<br>Rs.         | 2015<br>Rs.         |
| <b>Cash flow from operating activities</b>                                  |                     |                     |                     |                     |
| Net surplus/(deficit) before taxation                                       | 68,672,865          | 42,323,411          | 38,130,100          | 11,889,705          |
| Adjustments for:  |                     |                     |                     |                     |
| Depreciation on property, plant and equipment                               | 22,555,537          | 14,061,596          | 8,795,982           | 7,328,014           |
| Amortization of Intangible Assets   | 601,739             | -                   | -                   | -                   |
| Dividend income   | -                   | -                   | (16,670,823)        | (450,000)           |
| Provision for gratuity  | 764,400             | 1,189,488           | 764,400             | 1,189,488           |
| Loss on disposal of property, plant and equipment                           | -                   | 18,886              | -                   | -                   |
| WHT receivable write off  | -                   | 696,838             | -                   | 696,838             |
| <b>Net surplus from operating activities before working capital changes</b> | <b>92,594,541</b>   | <b>58,290,219</b>   | <b>31,019,659</b>   | <b>20,654,045</b>   |
| <b>Working capital changes</b>  |                     |                     |                     |                     |
| Decrease/(increase) in inventories  | 493,965             | (1,175,479)         | 357,065             | (867,639)           |
| Decrease/(increase) in receivables  | 694,501             | (1,633,146)         | (4,005,006)         | 6,416,741           |
| Decrease/(increase) in amounts due from related parties                     | -                   | -                   | 3,793,500           | 2,440,440           |
| (Decrease)/increase in amounts due to related parties                       | -                   | -                   | 2,000               | -                   |
| Decrease/(increase) in deposits, prepayment and advance                     | (5,331,716)         | 4,973,104           | (4,626,014)         | 4,269,073           |
| (Decrease)/increase in accounts payable                                     | (14,585,086)        | 13,204,540          | (3,464,532)         | 1,841,244           |
| (Decrease)/increase in receipts in advance                                  | (11,074,354)        | (3,339,048)         | 573,446             | (10,083,048)        |
| <b>Cash generated from/(used in) operations</b>                             | <b>(29,802,690)</b> | <b>12,029,971</b>   | <b>(7,369,541)</b>  | <b>4,016,811</b>    |
| Gratuity paid   | -                   | (1,237,450)         | -                   | (1,237,450)         |
| Tax paid  | (8,804,272)         | (1,698,467)         | -                   | -                   |
| <b>Net cash flow from operating activities</b>                              | <b>53,987,579</b>   | <b>67,384,273</b>   | <b>23,650,118</b>   | <b>23,433,406</b>   |
| <b>Cash flow from investing activities</b>                                  |                     |                     |                     |                     |
| Purchase of property, plant and equipment                                   | (30,166,634)        | (50,025,295)        | (6,640,006)         | (17,222,743)        |
| Purchase of Intangible Assets   | (1,066,674)         | -                   | -                   | -                   |
| Expenses incurred on capital work-in-progress                               | -                   | (7,556,723)         | -                   | (1,771,969)         |
| Investment in other financial assets  | (24,167,460)        | (3,716,586)         | (24,167,460)        | (3,716,586)         |
| Dividend received   | -                   | -                   | 16,670,823          | 450,000             |
| <b>Net cash flow from investing activities</b>                              | <b>(55,400,768)</b> | <b>(61,298,604)</b> | <b>(14,136,643)</b> | <b>(22,261,298)</b> |
| <b>Cash flow from financing activities</b>                                  |                     |                     |                     |                     |
| Dividend tax paid   | (1,852,314)         | -                   | -                   | -                   |
| Receipts/payments from fund backed by specific investments                  | 597,836             | (434,887)           | 597,836             | (434,887)           |
| <b>Net cash flow from/(used in) financing activities</b>                    | <b>(1,254,478)</b>  | <b>(434,887)</b>    | <b>597,836</b>      | <b>(434,887)</b>    |
| <b>Net increase/(decrease) in cash and cash equivalents</b>                 | <b>(2,667,667)</b>  | <b>5,650,782</b>    | <b>10,111,311</b>   | <b>737,221</b>      |
| <b>Cash and cash equivalents at the beginning of the year (Note A)</b>      | <b>56,554,019</b>   | <b>50,903,236</b>   | <b>27,472,019</b>   | <b>26,734,798</b>   |
| <b>Cash and cash equivalents at the end of the year (Note B)</b>            | <b>53,886,352</b>   | <b>56,554,018</b>   | <b>37,583,330</b>   | <b>27,472,019</b>   |
| <b>At the beginning of the year</b>   |                     |                     |                     | <b>Note A</b>       |
| Cash in transit   | -                   | 2,000               | -                   | -                   |
| Cheques in hand   | 3,440,898           | 631,402             | 3,440,898           | 631,402             |
| Cash in hand  | 380,313             | 1,673,657           | 274,924             | 1,659,745           |
| Petty cash  | 2,624               | 578                 | 2,624               | 578                 |
| Cash at bank - Time deposits  | 25,386,349          | 24,317,578          | -                   | -                   |
| Cash at bank - Current accounts   | 21,000,548          | 15,711,132          | 21,000,548          | 15,711,132          |
| Cash at bank - Savings accounts   | 11,471,380          | 12,640,055          | 5,605,832           | 11,127,349          |
| Bank overdraft  | (5,128,093)         | (4,073,166)         | (2,852,807)         | (2,395,408)         |
|   | <b>56,554,019</b>   | <b>50,903,236</b>   | <b>27,472,019</b>   | <b>26,734,798</b>   |
| <b>At the end of the year</b>   |                     |                     |                     | <b>Note B</b>       |
| Cash in transit   | -                   | -                   | -                   | -                   |
| Cheques in hand   | 5,045,622           | 3,440,898           | 5,045,622           | 3,440,898           |
| Cash in hand  | 273,255             | 380,313             | 172,605             | 274,924             |
| Petty cash  | 31,813              | 2,624               | 21,645              | 2,624               |
| Cash at bank - Time deposits  | 27,072,135          | 25,386,349          | -                   | -                   |
| Cash at bank - Current accounts   | 21,874,457          | 21,000,548          | 21,874,457          | 21,000,548          |
| Cash at bank - Savings accounts   | 11,337,400          | 11,471,380          | 11,335,355          | 5,605,832           |
| Bank overdraft  | (11,748,330)        | (5,128,093)         | (866,354)           | (2,852,807)         |
|   | <b>53,886,352</b>   | <b>56,554,018</b>   | <b>37,583,330</b>   | <b>27,472,019</b>   |

Figures in brackets indicate deductions.

The accounting policies and notes on pages 05 to 25 form an integral part of these financial statements.

Colombo 07  
12th October, 2017



**THE INSTITUTION OF ENGINEERS, SRI LANKA**  
**SIGNIFICANT ACCOUNTING POLICIES TO THE FINANCIAL STATEMENTS**

**1. CORPORATE INFORMATION**

**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 financial statements of the Institution of Engineers, Sri Lanka for the year ended 31<sup>st</sup> December, 2016 was authorized for issue in accordance with the approval of council members on 12<sup>th</sup> October, 2017.

**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 31<sup>st</sup> December, 2016 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 council of the institute has made an assessment of the group's ability to continue as a going concern and is satisfied that the institution/group has the resources to continue its business into the foreseeable future and they do not intend either to liquidate or to cease operations. Furthermore, council is not aware of any material uncertainties that may cast doubt upon the group's ability to continue as a going concern. Therefore, the financial statements are prepared on a going concern basis.

**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.



## THE INSTITUTION OF ENGINEERS, SRI LANKA

### SIGNIFICANT ACCOUNTING POLICIES TO THE FINANCIAL STATEMENTS

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

The preparation of the group's financial statements require management to make judgements, estimates and assumptions that affect the reported amounts of revenue, expenses, assets and liabilities and the disclosure of contingent liabilities at the reporting date.

### 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 is included in the consolidated financial statements from the date that control commences until the date that control ceases. The accounting policies of subsidiaries have been changed when necessary to align them with the policies adopted by the group. 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. Unrealised gains arising from transactions with equity accounted investees are eliminated against the investment to the extent of the group's interest in the investee. Unrealised losses are eliminated in the same way as unrealised gains, but only to the extent that there is no evidence of impairment.

#### 3.2 Foreign currency translation

All foreign currency transactions are translated into Sri Lanka Rupees, which is the functional currency of the entity using the exchange rates prevailing at the date of the transaction. Foreign exchange gains and losses resulting from the settlement of such transactions are recognized in the statement of comprehensive income.

Monetary assets and liabilities denominated in foreign currencies are translated/re-measured to Sri Lanka Rupee equivalents using year-end spot foreign exchange rates, the resulting gains or losses are accounted in the statement of comprehensive income.

Non-monetary assets and liabilities are translated using exchange rates that existed when the values were determined. The resulting gain or loss is accounted in the statement of comprehensive income.



THE INSTITUTION OF ENGINEERS, SRI LANKA  
SIGNIFICANT ACCOUNTING POLICIES TO THE FINANCIAL STATEMENTS

3.3 Property, plant and equipment

3.3.1 Basis of measurement

a) Cost

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

b) Cost and valuation

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

3.3.2 Depreciation

Depreciation is recognized by using straight line method on the cost of all property, plant and equipment other than leasehold land, in order to write off such amounts over the estimated useful lives of such assets. The estimated useful lives of the assets are as follows:

|                            |          |
|----------------------------|----------|
| Building                   | 20 Years |
| Members lounge             | 20 Years |
| Air conditioner            | 04 Years |
| Computer equipment         | 03 Years |
| Office equipment           | 04 Years |
| Furniture and fittings     | 04 Years |
| President's office         | 10 Years |
| Library books              | 05 Years |
| Bicycles                   | 04 Years |
| Canteen equipment          | 04 Years |
| Lawn mower                 | 04 Years |
| Water pump and accessories | 04 Years |
| Single wheel tractor       | 04 Years |
| Cloaks                     | 04 Years |
| Musical Instruments        | 04 Years |

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.

3.3.3 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.

3.3.4 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.





THE INSTITUTION OF ENGINEERS, SRI LANKA  
SIGNIFICANT ACCOUNTING POLICIES TO THE FINANCIAL STATEMENTS

**3.4 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.

**3.5 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 group makes an estimate of the asset's recoverable amount. An asset's recoverable amount is the higher of an asset's or cash generating units 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.

Impairment losses of continuing operations are recognized in the statement of comprehensive income in those expense categories consistent with the function of the impaired asset, except for property previously revalued where the revaluation was taken to equity. In this case the impairment is also recognized in equity upto the amount of any previous revaluation.

For assets excluding goodwill, 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 group makes an estimate of 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.

That increased amount cannot "exceed" the carrying amount that would have been determined, net of depreciation, 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.

**3.6 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.



THE INSTITUTION OF ENGINEERS, SRI LANKA  
SIGNIFICANT ACCOUNTING POLICIES TO THE FINANCIAL STATEMENTS

**3.7 Financial instruments**

**3.7.1 Financial assets**

**3.7.1.1 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.

**3.7.1.2 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 classified as held-to-maturity when the group has the positive intention and ability to hold them to maturity. They are initially recognized at transaction price.

**3.7.1.3 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.

**3.8 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 long term liabilities are those expected to fall due at point of time after one year from the date of the statement of financial position.

**3.8.1 Financial liabilities**

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

**3.8.1.1 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.

**3.8.2 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.





**THE INSTITUTION OF ENGINEERS, SRI LANKA**  
**SIGNIFICANT ACCOUNTING POLICIES TO THE FINANCIAL STATEMENTS**

**3.9 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 LKAS 19/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.

**3.10 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.

**3.11 Revenue recognition**

**a) Enrolment fee**

Enrolment fee from members and students are recognized as revenue on receipt. The subscription year runs 01<sup>st</sup> January to 31<sup>st</sup> December. Only those membership fees and subscription payment that are attributable to the current financial year are recognized as revenue. Fees and subscription payments that relate to future periods are shown in the statement of financial position as membership fees received in advance under current liabilities.

**b) Examination fee**

Fees of examinations, seminars, courses, and other educational and members' activities are recognized as revenue on completion of such activity.

**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.



**THE INSTITUTION OF ENGINEERS, SRI LANKA**  
**SIGNIFICANT ACCOUNTING POLICIES TO THE FINANCIAL STATEMENTS**

**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 a institution/group of similar transactions, which are not material, are aggregated, reported and presented on a net basis.

**3.12 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.

**3.13 Borrowing costs**

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

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

**3.14.1 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.

**3.14.2 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.

**3.14.3 Related party transactions**

Disclosures are made in respect of the transactions in which the institution/group has the ability to control or exercise significant influence over the financial and operating decisions/policies of the other, irrespective of whether a price is charged.

**3.14.4 Comparative figures**

Where necessary, comparative figures have been re-classified to conform to the current year's presentation.



THE INSTITUTION OF ENGINEERS, SRI LANKA  
NOTES TO THE FINANCIAL STATEMENTS

|  | Group              |                    | Entity             |                   |
|--|--------------------|--------------------|--------------------|-------------------|
|  | 2016<br>Rs.        | 2015<br>Rs.        | 2016<br>Rs.        | 2015<br>Rs.       |
| <b>4. REVENUE FROM STUDENTS' AND MEMBERS' ACTIVITIES</b> |                    |                    |                    |                   |
| Affiliate members  | 144,033            | 93,600             | 144,033            | 93,600            |
| Members' subscriptions                                   | 53,591,770         | 47,047,615         | 53,591,770         | 47,047,615        |
| Entrance fee   | 2,057,325          | 1,489,046          | 2,057,325          | 1,489,046         |
| Exemption/Registration                                   | 1,767,050          | 1,219,351          | 1,767,050          | 1,219,351         |
| IESL examinations  |                    |                    |                    |                   |
| - Part II-Repeat   | 368,000            | 114,000            | 368,000            | 114,000           |
| - Part III   | 1,637,500          | 2,936,500          | 1,637,500          | 2,936,500         |
| IESL study course  |                    |                    |                    |                   |
| - Part III   | 1,140,000          | 1,455,000          | 1,140,000          | 1,455,000         |
| Professional review                                      | 9,349,193          | 8,421,000          | 9,349,193          | 8,421,000         |
| CPD Courses  | 30,265,850         | 27,713,925         | 30,265,850         | 27,713,925        |
| Application processing fee                               | 349,000            | 716,000            | -                  | -                 |
| Registration fee   | 1,590,000          | 1,520,000          | -                  | -                 |
| Royalty Income   | -                  | -                  | 9,943,574          | -                 |
| Individual modules                                       | -                  | 120,000            | -                  | -                 |
| Course fees:   |                    |                    |                    |                   |
| - Advance diploma stage 01                               | 50,099,750         | 37,382,000         | -                  | -                 |
| - Advance diploma stage 02                               | 32,240,300         | 17,795,000         | -                  | -                 |
| - Certificate level stage 01                             | 10,125,000         | 11,950,000         | -                  | -                 |
| - Certificate level stage 02                             | 11,871,000         | 12,763,750         | -                  | -                 |
| - Graduate diploma                                       | 29,345,000         | 33,015,000         | -                  | -                 |
| - Full time - 1st semester                               | 14,495,000         | 12,275,000         | -                  | -                 |
| - Full time - 2nd semester                               | 16,462,500         | 13,950,000         | -                  | -                 |
| - Full Time - 3rd semester                               | 10,050,000         | -                  | -                  | -                 |
| - Full Time - 4th semester                               | 9,625,000          | -                  | -                  | -                 |
| Examination fees:  |                    |                    |                    |                   |
| - Advance diploma stage 01                               | 4,604,000          | 1,121,000          | -                  | -                 |
| - Advance diploma stage 02                               | 2,146,000          | 754,000            | -                  | -                 |
| - Certificate level stage 01                             | 1,282,000          | 1,256,000          | -                  | -                 |
| - Certificate level stage 02                             | 1,178,000          | 1,466,000          | -                  | -                 |
| - Graduate Diploma                                       | 1,405,000          | -                  | -                  | -                 |
| - Full time - 1st semester                               | 1,556,000          | 1,434,000          | -                  | -                 |
| - Full time - 2nd semester                               | 1,246,000          | 1,080,000          | -                  | -                 |
| - Full Time - 3rd semester                               | 810,000            | -                  | -                  | -                 |
| - Full Time - 4th semester                               | 499,000            | -                  | -                  | -                 |
| Module exemption fee:                                    |                    |                    |                    |                   |
| - Graduate diploma                                       | 6,000              | 18,000             | -                  | -                 |
| - Advance diploma stage 01                               | 28,500             | 8,000              | -                  | -                 |
| - Certificate level stage 02                             | -                  | 15,000             | -                  | -                 |
| - Advance diploma stage 02                               | 2,000              | -                  | -                  | -                 |
| Academic test:   |                    |                    |                    |                   |
| - Advance diploma stage 01                               | 145,000            | 60,000             | -                  | -                 |
| - Advance diploma stage 02                               | 460,000            | 25,000             | -                  | -                 |
| - Certificate level stage 02                             | -                  | 15,000             | -                  | -                 |
| - Graduate Diploma                                       | 55,000             | -                  | -                  | -                 |
| Unidentified income                                      | 294,906            | 441,000            | -                  | -                 |
| Refunds  | (921,250)          | (632,000)          | -                  | -                 |
| Discounts  | (137,500)          | (620,000)          | -                  | -                 |
| Surcharge:   |                    |                    |                    |                   |
| - Advance diploma stage 01                               | 426,000            | 730,000            | -                  | -                 |
| - Advance diploma stage 02                               | 313,750            | 577,500            | -                  | -                 |
| - Certificate level stage 02                             | 53,000             | 80,000             | -                  | -                 |
| - Graduate diploma                                       | 135,000            | 659,000            | -                  | -                 |
| - Full time programme                                    | 87,500             | 120,000            | -                  | -                 |
|  | <u>302,247,177</u> | <u>240,584,287</u> | <u>110,264,295</u> | <u>90,490,037</u> |



THE INSTITUTION OF ENGINEERS, SRI LANKA  
NOTES TO THE FINANCIAL STATEMENTS

|   | Group             |                   | Entity            |                   |
|---|-------------------|-------------------|-------------------|-------------------|
|   | 2016<br>Rs.       | 2015<br>Rs.       | 2016<br>Rs.       | 2015<br>Rs.       |
| <b>5. DIRECT EXPENDITURE ON STUDENTS' AND MEMBERS' ACTIVITIES</b> |                   |                   |                   |                   |
| IESL examinations   |                   |                   |                   |                   |
| - Part II - Repeat  | 143,575           | 75,400            | 143,575           | 75,400            |
| - Part III  | 345,600           | 574,414           | 345,600           | 574,414           |
| IESL study course   |                   |                   |                   |                   |
| - Part III  | 914,043           | 434,087           | 914,043           | 434,087           |
| - Other   | 452,591           | 20,725            | 452,591           | 20,725            |
| Professional review   | 5,640,133         | 2,948,376         | 5,640,133         | 2,948,376         |
| CPD Courses   | 8,275,988         | 10,430,140        | 8,275,988         | 10,430,140        |
| Membership related expenses                                       | 179,635           | 58,718            | 179,635           | 58,718            |
| Furniture Hiring Charges  | 260,250           | -                 | -                 | -                 |
| Hall hire charges   | 727,899           | 19,000            | -                 | -                 |
| Inauguration ceremony expenses                                    | 118,551           | 507,652           | -                 | -                 |
| Lab practical charges:  |                   |                   |                   |                   |
| - Advance diploma stage 01  | 4,959,606         | -                 | -                 | -                 |
| - Advance diploma stage 02  | 2,480,829         | 478,176           | -                 | -                 |
| - Certificate level stage 01                                      | 692,000           | 1,622,520         | -                 | -                 |
| - Certificate level stage 02                                      | 1,284,330         | 1,998,293         | -                 | -                 |
| - Full time - 1st semester  | 1,345,500         | 1,888,427         | -                 | -                 |
| - Full time - 2nd semester  | 1,740,525         | 1,785,017         | -                 | -                 |
| - Full Time - 3rd semester  | 261,387           | -                 | -                 | -                 |
| - Full Time - 4th semester  | 155,500           | -                 | -                 | -                 |
| - Part Time - Graduate Diploma                                    | 175,564           | -                 | -                 | -                 |
| Lecture fees:   |                   |                   |                   |                   |
| - Advance diploma stage 01  | 2,713,750         | 2,923,750         | -                 | -                 |
| - Advance diploma stage 02  | 2,660,000         | 2,184,500         | -                 | -                 |
| - Certificate level stage 01                                      | 686,250           | 885,000           | -                 | -                 |
| - Certificate level stage 02                                      | 1,186,250         | 1,269,750         | -                 | -                 |
| - Graduate diploma  | 3,978,750         | 2,660,625         | -                 | -                 |
| - Full time programme   | 296,250           | 1,678,750         | -                 | -                 |
| - Tutorial  | 36,750            | 120,250           | -                 | -                 |
| - English course  | 84,000            | 154,000           | -                 | -                 |
| Full Time - 1st semester  | 466,250           | -                 | -                 | -                 |
| Full Time - 2nd semester  | 1,368,125         | -                 | -                 | -                 |
| Full Time - 3rd semester  | 811,250           | -                 | -                 | -                 |
| Full Time - 4th semester  | 1,111,875         | -                 | -                 | -                 |
| Lecturer's Meeting  | 62,000            | -                 | -                 | -                 |
| Preparation and settings of student hand books                    | 232,000           | 245,500           | -                 | -                 |
| Printing of student ID  | -                 | 78,750            | -                 | -                 |
| Exam duty expenses  | 615,140           | 239,300           | -                 | -                 |
| Paper marking expenses  | 1,062,000         | 1,304,950         | -                 | -                 |
| Paper setting expenses  | 681,000           | 537,000           | -                 | -                 |
| Exam hall booking   | -                 | 3,000             | -                 | -                 |
| Assignment marking expenses                                       | 59,550            | 92,425            | -                 | -                 |
| Student events  | 607,770           | 7,925             | -                 | -                 |
| Group project AD 2: - Group project panel                         | 34,250            | -                 | -                 | -                 |
| Students' insurance   | 39,228            | 16,330            | -                 | -                 |
| Cost of goods sold  | 136,900           | 136,160           | -                 | -                 |
| Outside contractors   | 2,379,860         | 1,378,873         | -                 | -                 |
| Individual Project Fee  | 1,254,500         | -                 | -                 | -                 |
|   | <u>52,717,204</u> | <u>38,757,783</u> | <u>15,951,565</u> | <u>14,541,860</u> |



THE INSTITUTION OF ENGINEERS, SRI LANKA  
NOTES TO THE FINANCIAL STATEMENTS

6. EMPLOYEES' COSTS

|                                     | Group             |                   | Entity            |                   |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|
|                                     | 2016              | 2015              | 2016              | 2015              |
|                                     | Rs.               | Rs.               | Rs.               | Rs.               |
| Salaries and wages                  | 51,876,238        | 33,779,704        | 20,327,053        | 17,532,054        |
| Bonus                               | 3,688,528         | 2,684,850         | 2,137,528         | 1,723,350         |
| Overtime                            | 4,333,729         | 3,717,875         | 3,843,394         | 3,390,224         |
| EPF                                 | 5,351,772         | 3,399,601         | 2,426,046         | 2,067,453         |
| ETF                                 | 1,337,945         | 849,903           | 606,512           | 516,866           |
| Payment in lieu of unutilized leave | 853,377           | 710,117           | 853,377           | 710,117           |
| Provision for gratuity              | 764,400           | 1,189,488         | 764,400           | 1,189,488         |
| Staff training                      | 7,500             | 39,500            | 7,500             | 39,500            |
| Casual wages                        | -                 | 9,000             | -                 | -                 |
| Transport allowance                 | 1,110,433         | 720,333           | 1,110,433         | 720,333           |
| Additional payment                  | -                 | 69,000            | -                 | 69,000            |
| Salary for trainees                 | -                 | 253,893           | -                 | 253,893           |
| Labour charges                      | 362,900           | 213,200           | -                 | -                 |
| Staff insurance                     | -                 | 190,447           | -                 | -                 |
| Temporary labour                    | -                 | 5,000             | -                 | -                 |
| Subscription                        | 97,391            | -                 | 97,391            | -                 |
|                                     | <u>69,784,213</u> | <u>47,831,911</u> | <u>32,173,634</u> | <u>28,212,278</u> |

7. PUBLICATIONS, NEWSLETTERS AND OTHERS

|   |                  |                  |                  |                  |
|---|------------------|------------------|------------------|------------------|
| Photocopy materials                         | 388,382          | 506,437          | 388,382          | 506,437          |
| Printing of journals, transactions and SLEN | 6,247,998        | 4,573,763        | 3,934,627        | 3,457,398        |
| Computer stationery                         | 1,793,561        | 1,582,650        | 1,793,561        | 1,582,650        |
|   | <u>8,429,941</u> | <u>6,662,850</u> | <u>6,116,570</u> | <u>5,546,485</u> |

8. UTILITIES

|                             |                   |                   |                   |                   |
|-----------------------------|-------------------|-------------------|-------------------|-------------------|
| Postage                     | 1,973,254         | 2,204,452         | 1,940,213         | 2,178,087         |
| Telephone, internet and fax | 4,847,876         | 2,232,680         | 1,916,961         | 1,824,407         |
| Electricity                 | 9,590,234         | 6,922,994         | 4,213,823         | 4,186,819         |
| Rates and taxes             | 482,328           | 482,328           | 482,328           | 482,328           |
| Janitory service            | 3,869,285         | 2,646,542         | 1,513,829         | 997,763           |
| Security service            | 4,134,159         | 2,867,316         | 1,820,841         | 1,503,352         |
| Water supply                | 583,314           | 474,617           | 320,291           | 232,130           |
|                             | <u>25,480,450</u> | <u>17,830,929</u> | <u>12,208,286</u> | <u>11,404,886</u> |



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9. GENERAL ADMINISTRATION EXPENSES

|   | Group             |                   | Entity            |                   |
|---|-------------------|-------------------|-------------------|-------------------|
|   | 2016<br>Rs.       | 2015<br>Rs.       | 2016<br>Rs.       | 2015<br>Rs.       |
| Advertising   | 2,431,617         | 7,630,064         | 315,635           | -                 |
| Refreshment expenses for meeting                              | 2,866,684         | 1,761,367         | 1,111,779         | 1,168,644         |
| Secretarial expenses  | 120,645           | 58,573            | -                 | -                 |
| Repairs and maintenance                                       |                   |                   |                   |                   |
| - Office and office equipment                                 | 9,897,999         | 5,204,281         | 428,557           | 507,125           |
| - Computer centre equipment                                   | 514,243           | 326,609           | 69,391            | 70,565            |
| - Furniture and fittings                                      | 220,196           | 75,640            | 220,196           | 75,640            |
| - Building and garden   | 1,337,028         | 896,094           | 1,337,028         | 896,094           |
| - Maintenance agreements                                      | 387,522           | 345,745           | 387,522           | 345,745           |
| - Bicycle   | 4,255             | -                 | 4,255             | -                 |
| - Web site maintenance charges                                | 594,569           | 583,289           | 2,500             | 5,000             |
| - Others  | 57,730            | 10,675            | 57,730            | 10,675            |
| Election and AGM expenses                                     | 2,333,842         | 1,274,739         | 2,333,842         | 1,274,739         |
| Board committee expenses                                      | 1,281,000         | 613,400           | -                 | -                 |
| New year festival   | 347,532           | 320,190           | 347,532           | 320,190           |
| Memorial lectures   | 851,302           | 655,502           | 851,302           | 655,502           |
| Subscriptions to foreign and local organizations              | 587,504           | 662,851           | 587,504           | 662,851           |
| Participation in local and foreign activities                 | 2,494,800         | 1,762,473         | 2,494,800         | 1,762,473         |
| Travelling and transport                                      | 3,763,732         | 2,776,119         | 838,742           | 1,258,079         |
| Insurance   | 909,176           | 325,404           | 540,565           | 325,404           |
| Lease rent on premises  | 1,875             | 1,875             | 1,875             | 1,875             |
| Press notice  | 1,113,925         | 1,520,980         | 1,113,925         | 1,520,980         |
| Seal for structural engineers                                 | 460,565           | 424,405           | 460,565           | 424,405           |
| Miscellaneous expenses  | 347,971           | 2,248,444         | 1,839,471         | 1,250,444         |
| Audit fee   | 583,808           | 451,770           | 371,390           | 316,770           |
| Event launch function   | -                 | 1,553,487         | -                 | 1,553,487         |
| Events  | 1,804,224         | 667,865           | -                 | -                 |
| Tax consultancy fee   | -                 | 18,681            | -                 | -                 |
| Land and building development project: - Land consultancy fee | -                 | 1,018,980         | -                 | -                 |
| SD & CC refurbishment   | -                 | 24,355,272        | -                 | -                 |
| Site supervisor   | -                 | 151,312           | -                 | -                 |
| Online survey project   | 15,741            | 49,801            | 15,741            | 49,801            |
| Finance consultancy fee                                       | 220,000           | 120,000           | -                 | -                 |
| Bank charges  | 59,359            | 60,951            | -                 | -                 |
| Sundry expenses   | 2,551             | 1,351             | -                 | -                 |
| SD & CC rent  | 16,648,063        | 13,721,777        | -                 | -                 |
| Photocopy rent  | 1,166,861         | 535,674           | -                 | -                 |
| Projectors rent   | -                 | 106,826           | -                 | -                 |
| Lab expenses  | 235,011           | 124,951           | -                 | -                 |
| Expenses for canteen  | -                 | 69,545            | -                 | -                 |
| Credit card   | -                 | 1,500             | -                 | -                 |
| Open day ceremony   | 121,500           | 866,534           | -                 | -                 |
| Office Equipment & Accessories                                | 34,859            | -                 | -                 | -                 |
| Student Library   | 430,119           | -                 | -                 | -                 |
| IESL Gym  | 213,000           | -                 | -                 | -                 |
| Amortization of intangible assets                             | 601,739           | -                 | -                 | -                 |
| Tax expense related to Royalty license                        | 1,228,731         | -                 | -                 | -                 |
|   | <u>56,291,278</u> | <u>73,354,996</u> | <u>15,731,847</u> | <u>14,456,488</u> |



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|  | Group             |                   | Entity            |                   |
|--|-------------------|-------------------|-------------------|-------------------|
|  | 2016<br>Rs.       | 2015<br>Rs.       | 2016<br>Rs.       | 2015<br>Rs.       |
| <b>10. PROVINCIAL CENTRE EXPENSES</b>              |                   |                   |                   |                   |
| 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           | -                 |
| 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                                     | 485,000           | 480,000           | 485,000           | 480,000           |
|  | <u>3,365,000</u>  | <u>3,360,000</u>  | <u>3,365,000</u>  | <u>3,360,000</u>  |
| <b>11. OTHER INCOME</b>                            |                   |                   |                   |                   |
| Hire of auditorium and equipment                   | 510,856           | 198,550           | 849,066           | 1,337,050         |
| Interest from short term and long term investments | 12,365,338        | 8,635,353         | 9,532,206         | 7,111,015         |
| Exhibition - Techno                                | 11.1 8,000,845    | 7,816,963         | 8,000,845         | 7,816,963         |
| Rent income  | 913,152           | 547,800           | 913,152           | 2,034,800         |
| Miscellaneous income                               | 11.2 2,013,654    | 1,845,423         | 2,845,373         | 3,334,715         |
| Evaluation Fee                                     | 11.3 2,881,253    | 992,347           | 2,881,253         | 992,347           |
| Annual section income                              | 352,000           | 203,500           | 352,000           | 203,500           |
| Dividend income from college                       | -                 | -                 | 16,670,823        | 450,000           |
| Christmas party income                             | 308,500           | 106,000           | 308,500           | 106,000           |
| Induction and graduation ceremony                  | 11.4 65,252       | 121,557           | 65,252            | 121,557           |
| Awards of excellence ceremony                      | 11.5 -            | 129,652           | -                 | 129,652           |
| National engineering conference                    | 11.6 1,210,499    | 117,821           | 1,210,499         | 117,821           |
| Other payable written back                         | -                 | 423,000           | -                 | -                 |
| Memorial & Public Lectures                         | 100,000           | -                 | 100,000           | -                 |
| Members' night - Income                            | 11.7 91,205       | -                 | 91,205            | -                 |
|  | <u>28,812,554</u> | <u>21,137,966</u> | <u>43,820,174</u> | <u>23,755,420</u> |
| <b>11.1 Techno exhibition income</b>               |                   |                   |                   |                   |
| Income   | 26,483,288        | 23,820,404        | 26,483,288        | 23,820,404        |
| Less: Expenses                                     | (18,482,443)      | (16,003,441)      | (18,482,443)      | (16,003,441)      |
|  | <u>8,000,845</u>  | <u>7,816,963</u>  | <u>8,000,845</u>  | <u>7,816,963</u>  |
| <b>11.2 Miscellaneous income</b>                   |                   |                   |                   |                   |
| Interest on staff loans                            | 109,860           | 85,484            | 109,860           | 85,484            |
| Photocopying                                       | -                 | 10,908            | -                 | 200               |
| Advertisement SLEN                                 | 262,000           | 276,791           | 262,000           | 276,791           |
| Seal for corporate members                         | 603,600           | 513,167           | 603,600           | 513,167           |
| Other income                                       | 1,038,194         | 959,073           | 1,869,913         | 2,459,073         |
|  | <u>2,013,654</u>  | <u>1,845,423</u>  | <u>2,845,373</u>  | <u>3,334,715</u>  |
| <b>11.3 Evaluation fee</b>                         |                   |                   |                   |                   |
| Income   | 3,531,758         | 1,470,000         | 3,531,758         | 1,470,000         |
| Less: Expenses                                     | (650,505)         | (477,653)         | (650,505)         | (477,653)         |
|  | <u>2,881,253</u>  | <u>992,347</u>    | <u>2,881,253</u>  | <u>992,347</u>    |
| <b>11.4 Induction and graduation ceremony</b>      |                   |                   |                   |                   |
| Income   | 3,064,435         | 1,632,000         | 3,064,435         | 1,632,000         |
| Less : Expenses                                    | (2,999,183)       | (1,510,443)       | (2,999,183)       | (1,510,443)       |
|  | <u>65,252</u>     | <u>121,557</u>    | <u>65,252</u>     | <u>121,557</u>    |
| <b>11.5 Awards of excellence ceremony</b>          |                   |                   |                   |                   |
| Income   | -                 | 420,000           | -                 | 420,000           |
| Less : Expenses                                    | -                 | (290,348)         | -                 | (290,348)         |
|  | <u>-</u>          | <u>129,652</u>    | <u>-</u>          | <u>129,652</u>    |
| <b>11.6 National engineering conference</b>        |                   |                   |                   |                   |
| Income   | 4,393,000         | 8,640,000         | 4,393,000         | 8,640,000         |
| Less : Expenses                                    | (3,182,501)       | (8,522,179)       | (3,182,501)       | (8,522,179)       |
|  | <u>1,210,499</u>  | <u>117,821</u>    | <u>1,210,499</u>  | <u>117,821</u>    |
| <b>11.7 Members' night - Income</b>                |                   |                   |                   |                   |
| Income   | 1,521,500         | -                 | 1,521,500         | -                 |
| Less : Expenses                                    | (1,430,295)       | -                 | (1,430,295)       | -                 |
|  | <u>91,205</u>     | <u>-</u>          | <u>91,205</u>     | <u>-</u>          |





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|   | Group             |                   | Entity            |                   |
|---|-------------------|-------------------|-------------------|-------------------|
|   | 2016<br>Rs.       | 2015<br>Rs.       | 2016<br>Rs.       | 2015<br>Rs.       |
| <b>12. OTHER EXPENSES</b>   |                   |                   |                   |                   |
| Professional fee  |                   |                   |                   |                   |
| Legal fee and expenses  | 626,000           | 296,000           | 626,000           | 296,000           |
| Consultancy fee   | 741,300           | 357,260           | 741,300           | 357,260           |
| Annual sessions and international seminars                                    | 6,789,075         | 6,082,025         | 6,789,075         | 6,082,025         |
| Disallowed VAT  | 386,847           | 169,774           | 386,847           | 169,774           |
| Nation building tax   | 3,093,309         | 1,299,416         | 1,712,749         | 1,299,416         |
| Contribution to award funds   | 10,000            | 10,000            | 10,000            | 10,000            |
| Sectional committee expenses  | 12.1 2,117,142    | 342,824           | 2,117,142         | 342,824           |
| Members' night - expense  | 12.2 -            | 459,603           | -                 | 459,603           |
| Awards of excellence ceremony   | 12.3 1,807,053    | -                 | 1,807,053         | -                 |
| Miscellaneous   |                   |                   |                   |                   |
| - "Junior Inventor of the Year" competition and scholarship programme (JIY)   | 12.4 1,072,549    | 1,356,525         | 1,072,549         | 1,356,525         |
| - Washington accord and EMF   | 12.5 1,846,807    | 3,218,743         | 1,846,807         | 3,218,743         |
| - Museum project  | 12.6 23,500       | 42,461            | 23,500            | 42,461            |
| - Sale of inventory items   | 12.7 2,022,146    | 1,599,461         | 2,022,146         | 1,599,461         |
| - Library expenses  | 152,328           | 142,862           | 152,328           | 142,862           |
| - WHT receivable write off  | -                 | 696,838           | -                 | 696,838           |
| - Other expenses  | 1,004,923         | 297,713           | 777,693           | 283,563           |
| - Loss of assets  | -                 | 18,886            | -                 | -                 |
| - Co-service Fees   | 468,968           | -                 | -                 | -                 |
| - Course Development Expenses   | 75,000            | -                 | -                 | -                 |
|   | <u>22,236,947</u> | <u>16,390,391</u> | <u>20,085,189</u> | <u>16,357,355</u> |
| <b>12.1 Sectional committee expense</b>                                       |                   |                   |                   |                   |
| Income  | (223,250)         | (23,611,250)      | (223,250)         | (23,611,250)      |
| Less : Expenses   | 2,340,392         | 23,954,074        | 2,340,392         | 23,954,074        |
|   | <u>2,117,142</u>  | <u>342,824</u>    | <u>2,117,142</u>  | <u>342,824</u>    |
| <b>12.2 Members night - expense</b>   |                   |                   |                   |                   |
| Income  | -                 | (914,000)         | -                 | (914,000)         |
| Less : Expenses   | -                 | 1,373,603         | -                 | 1,373,603         |
|   | <u>-</u>          | <u>459,603</u>    | <u>-</u>          | <u>459,603</u>    |
| <b>12.3 Awards of excellence ceremony</b>                                     |                   |                   |                   |                   |
| Income  | (1,260,000)       | -                 | (1,260,000)       | -                 |
| Less : Expenses   | 3,067,053         | -                 | 3,067,053         | -                 |
|   | <u>1,807,053</u>  | <u>-</u>          | <u>1,807,053</u>  | <u>-</u>          |
| <b>12.4 Junior inventor of the year competition and scholarship programme</b> |                   |                   |                   |                   |
| Income  | -                 | -                 | -                 | -                 |
| Less : Expenses   | 1,072,549         | 1,356,525         | 1,072,549         | 1,356,525         |
|   | <u>1,072,549</u>  | <u>1,356,525</u>  | <u>1,072,549</u>  | <u>1,356,525</u>  |
| <b>12.5 Washington accord and EMF</b>   |                   |                   |                   |                   |
| Income  | (8,292,595)       | (574,495)         | (8,292,595)       | (574,495)         |
| Less : Expenses   | 10,139,402        | 3,793,238         | 10,139,402        | 3,793,238         |
|   | <u>1,846,807</u>  | <u>3,218,743</u>  | <u>1,846,807</u>  | <u>3,218,743</u>  |
| <b>12.6 Museum project</b>  |                   |                   |                   |                   |
| Income  | -                 | (100,000)         | -                 | (100,000)         |
| Less : Expenses   | 23,500            | 142,461           | 23,500            | 142,461           |
|   | <u>23,500</u>     | <u>42,461</u>     | <u>23,500</u>     | <u>42,461</u>     |
| <b>12.7 Sale of inventory item</b>  |                   |                   |                   |                   |
| Income  | (547,100)         | (1,410,419)       | (547,100)         | (1,410,419)       |
| Less : Cost of goods sold   | 2,569,246         | 3,009,880         | 2,569,246         | 3,009,880         |
|   | <u>2,022,146</u>  | <u>1,599,461</u>  | <u>2,022,146</u>  | <u>1,599,461</u>  |
| <b>13. FINANCE CHARGES</b>  |                   |                   |                   |                   |
| Bank charges  | 1,526,296         | 1,148,386         | 1,526,296         | 1,148,386         |
|   | <u>1,526,296</u>  | <u>1,148,386</u>  | <u>1,526,296</u>  | <u>1,148,386</u>  |





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14. PROPERTY, PLANT AND EQUIPMENT

14.1 Entity

| Description of assets      | COST                                  |  | DEPRECIATION                          |                                       |                                  | WDV                                   |                                       |
|----------------------------|---------------------------------------|--|---------------------------------------|---------------------------------------|----------------------------------|---------------------------------------|---------------------------------------|
|                            | Balance<br>as at<br>01.01.2016<br>Rs. | Additions<br>during<br>the year<br>Rs. | Balance<br>as at<br>31.12.2016<br>Rs. | Balance<br>as at<br>01.01.2016<br>Rs. | Charge<br>for<br>the year<br>Rs. | Balance<br>as at<br>31.12.2016<br>Rs. | Balance<br>as at<br>31.12.2015<br>Rs. |
| Freehold                   |                                       |  |                                       |                                       |                                  |                                       |                                       |
| Buildings                  | 111,093,542                           | 2,173,559                              | 113,267,101                           | 34,711,146                            | 3,906,329                        | 74,649,626                            | 76,382,396                            |
| Air conditioners           | 6,850,503                             | 785,104                                | 7,635,607                             | 3,557,320                             | 944,392                          | 3,133,895                             | 3,293,183                             |
| Computer equipment         | 13,928,392                            | 912,004                                | 14,840,396                            | 12,041,271                            | 798,962                          | 2,000,163                             | 1,887,121                             |
| Office equipment           | 9,530,791                             | 440,073                                | 9,970,864                             | 6,604,336                             | 782,799                          | 2,583,729                             | 2,926,455                             |
| Furniture and fittings     | 15,352,336                            | 101,007                                | 15,453,343                            | 9,969,660                             | 1,351,776                        | 4,131,907                             | 5,382,676                             |
| Bicycle                    | 13,810                                | -                                      | 13,810                                | 11,453                                | 589                              | 1,768                                 | 2,357                                 |
| President's office         | 3,100                                 | -                                      | 3,100                                 | 2,990                                 | 11                               | 99                                    | 110                                   |
| Library books              | 5,851,428                             | 202,143                                | 6,053,571                             | 4,237,728                             | 336,822                          | 1,479,221                             | 1,613,700                             |
| Canteen equipment          | 207,799                               | -                                      | 207,799                               | 206,127                               | 418                              | 1,254                                 | 1,672                                 |
| Water pump and accessories | 165,611                               | -                                      | 165,611                               | 163,441                               | 543                              | 1,627                                 | 2,170                                 |
| Members lounge             | 10,383,845                            | 1,161,003                              | 11,544,848                            | 279,707                               | 552,895                          | 10,712,246                            | 10,104,138                            |
| Cloaks                     | 716,540                               | -                                      | 716,540                               | 627,410                               | 22,283                           | 66,847                                | 89,130                                |
| Musical Instruments        | -                                     | 865,113                                | 865,113                               | -                                     | 98,363                           | 766,750                               | -                                     |
|                            | 174,097,697                           | 6,640,006                              | 180,737,703                           | 72,412,589                            | 8,795,982                        | 99,529,132                            | 101,685,108                           |



THE INSTITUTION OF ENGINEERS, SRI LANKA  
NOTES TO THE FINANCIAL STATEMENTS



14. PROPERTY, PLANT AND EQUIPMENT (CONTD..)

14.2 Group

| Description of Assets      | COST                         |                               |                              | DEPRECIATION                 |                         |                              | WDV                          |                              |
|----------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|-------------------------|------------------------------|------------------------------|------------------------------|
|                            | Balance as at 01.01.2016 Rs. | Additions during the Year Rs. | Balance as at 31.12.2016 Rs. | Balance as at 01.01.2016 Rs. | Charge for the year Rs. | Balance as at 31.12.2016 Rs. | Balance as at 31.12.2016 Rs. | Balance as at 31.12.2015 Rs. |
| Freehold                   |                              |                               |                              |                              |                         |                              |                              |                              |
| Buildings                  | 111,093,542                  | 2,173,559                     | 113,267,101                  | 34,711,146                   | 3,906,329               | 38,617,475                   | 74,649,626                   | 76,382,396                   |
| Air conditioners           | 6,850,503                    | 785,104                       | 7,635,607                    | 3,557,320                    | 944,392                 | 4,501,712                    | 3,133,895                    | 3,293,183                    |
| Computer equipment         | 21,571,056                   | 5,804,452                     | 27,375,508                   | 14,128,658                   | 4,193,868               | 18,322,526                   | 9,052,982                    | 7,442,398                    |
| Office equipment           | 33,433,902                   | 5,897,063                     | 39,330,965                   | 10,957,847                   | 7,628,736               | 18,586,583                   | 20,744,382                   | 22,476,055                   |
| Lab equipment              | 3,564,999                    | 16,653,144                    | 20,218,143                   | 625,161                      | 3,518,711               | 4,143,872                    | 16,074,271                   | 2,939,838                    |
| Furniture and fittings     | 15,352,336                   | 101,007                       | 15,453,343                   | 9,969,660                    | 1,351,776               | 11,321,436                   | 4,131,907                    | 5,382,676                    |
| Bicycle                    | 13,810                       | -                             | 13,810                       | 11,453                       | 589                     | 12,042                       | 1,768                        | 2,357                        |
| President's office         | 3,100                        | -                             | 3,100                        | 2,990                        | 11                      | 3,001                        | 99                           | 110                          |
| Library books              | 5,851,428                    | 202,143                       | 6,053,571                    | 4,237,728                    | 336,622                 | 4,574,350                    | 1,479,221                    | 1,613,700                    |
| Canteen equipment          | 207,799                      | -                             | 207,799                      | 206,127                      | 418                     | 206,545                      | 1,254                        | 1,672                        |
| Water pump and accessories | 165,611                      | -                             | 165,611                      | 163,441                      | 543                     | 163,984                      | 1,627                        | 2,170                        |
| Members lounge             | 10,383,845                   | 1,161,003                     | 11,544,848                   | 279,707                      | 552,896                 | 832,603                      | 10,712,245                   | 10,104,138                   |
| Cloaks                     | 716,540                      | -                             | 716,540                      | 627,410                      | 22,283                  | 649,693                      | 66,847                       | 89,130                       |
| Musical Instruments        | -                            | 865,113                       | 865,113                      | -                            | 98,363                  | 98,363                       | 766,750                      | -                            |
|                            | 209,208,471                  | 33,642,588                    | 242,851,059                  | 79,478,648                   | 22,555,537              | 102,034,185                  | 140,816,874                  | 129,729,823                  |

15. INTANGIBLE ASSETS

Group

| Description of Assets | COST                         |                               | AMORTIZATION                 |                         | WDV                          |                              |
|-----------------------|------------------------------|-------------------------------|------------------------------|-------------------------|------------------------------|------------------------------|
|                       | Balance as at 01.01.2016 Rs. | Additions During the Year Rs. | Balance as at 01.01.2016 Rs. | Charge for the Year Rs. | Balance as at 31.12.2016 Rs. | Balance as at 31.12.2015 Rs. |
| <b>Software</b>       |                              |                               |                              |                         |                              |                              |
|                       | -                            | 3,375,474                     | -                            | 601,739                 | 601,739                      | -                            |
|                       | -                            | 3,375,474                     | -                            | 601,739                 | 601,739                      | -                            |

THE INSTITUTION OF ENGINEERS, SRI LANKA  
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16. CAPITAL WORK-IN-PROGRESS

|   | Group       |             | Entity      |             |
|---|-------------|-------------|-------------|-------------|
|   | 2016<br>Rs. | 2015<br>Rs. | 2016<br>Rs. | 2015<br>Rs. |
| Balance as at the beginning of the year | 5,784,754   | 5,346,676   | -           | 5,346,676   |
| Add: Additions during the year          | -           | 7,556,723   | -           | 1,771,969   |
| Less: Capitalized during the year       | (5,784,754) | (7,118,645) | -           | (7,118,645) |
| Balance at the end of the year          | -           | 5,784,754   | -           | -           |

17. 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 deposit

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| 6,756,423 | 6,373,216 | 6,756,423 | 6,373,216 |
| 200,000   | 200,000   | 200,000   | 200,000   |
| 6,956,423 | 6,573,216 | 6,956,423 | 6,573,216 |
| 7,006,423 | 6,623,216 | 7,006,423 | 6,623,216 |

18. INVESTMENT IN SUBSIDIARY

IESL College of Engineering (Pvt) Limited

|   |   |    |    |
|---|---|----|----|
| - | - | 10 | 10 |
| - | - | 10 | 10 |

19. INVENTORIES

|                                      |           |           |           |           |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Ties                                 | 199,201   | 220,800   | 199,201   | 220,800   |
| Stickers                             | 35,699    | 34,916    | 35,699    | 34,916    |
| Dr. A.N.S. Kulasinghe volume - Books | 632       | 632       | 632       | 632       |
| History of engineering Sri Lanka     | 449,673   | 473,680   | 449,673   | 473,680   |
| 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                        | 193,317   | 363,970   | 22,377    | 56,130    |
| Irrigation Development in Sri Lanka  | 158       | 2,995     | 158       | 2,995     |
| Directory of structural engineers    | 2,591     | 5,166     | 2,591     | 5,166     |
| Air, maritime and rail transport     | 1,750     | 1,750     | 1,750     | 1,750     |
| Domestic wiring book                 | 30,007    | 80,920    | 30,007    | 80,920    |
| Log book                             | 26,185    | 13,900    | 26,185    | 13,900    |
| Umbrellas                            | 27,933    | 12,874    | 27,933    | 12,874    |
| Lapel pins                           | 325       | 325       | 325       | 325       |
| Cufflinks/Tie pins                   | 166,764   | 147,288   | 166,764   | 147,288   |
| Directory of adjudicator             | 8,625     | 47,656    | 8,625     | 47,656    |
| Utilization of power and energy      | -         | 2,500     | -         | 2,500     |
| Directory of building services       | 20,700    | 61,200    | 20,700    | 61,200    |
| Stamps in hands                      | 464,378   | 429,653   | 464,378   | 429,653   |
| Stationery                           | 367,396   | 550,976   | 367,396   | 550,976   |
| Caps and hats with embroidery        | 2,464     | 44,015    | 2,464     | 44,015    |
| Brooch                               | 32,382    | 49,698    | 32,382    | 49,698    |
| Pendent                              | 12,775    | 12,775    | 12,775    | 12,775    |
| Twin pen                             | 1,572     | 3,115     | 1,572     | 3,115     |
| Hybrid vehicles monograph            | 64,680    | 73,843    | 64,680    | 73,843    |
| Library index                        | 105,938   | 105,938   | 105,938   | 105,938   |
| Lighting protection                  | 38,335    | 39,270    | 38,335    | 39,270    |
| Monograph on Cements                 | 32,410    | -         | 32,410    | -         |
|                                      | 2,288,635 | 2,782,600 | 2,117,695 | 2,474,760 |



THE INSTITUTION OF ENGINEERS, SRI LANKA  
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20. ACCOUNTS RECEIVABLES

|   | Group             |                   | Entity            |                  |
|---|-------------------|-------------------|-------------------|------------------|
|   | 2016<br>Rs.       | 2015<br>Rs.       | 2016<br>Rs.       | 2015<br>Rs.      |
| Interest receivable                           | 4,487,508         | 3,709,948         | 4,240,606         | 3,563,652        |
| Staff loans                                   | 3,789,403         | 1,873,401         | 3,789,403         | 1,873,401        |
| Receivable against returned cheques           | 79,008            | 59,168            | 79,008            | 59,168           |
| Salary Advance                                | 109,000           | -                 | 109,000           | -                |
| Other receivables                             | 83,748            | 86,731            | 83,748            | 86,731           |
| Excellence award                              | -                 | 500,000           | -                 | 500,000          |
| IET Sri Lanka                                 | 139,154           | 85,834            | 139,154           | 85,834           |
| Society of Structural Eng.                    | 48,817            | 25,944            | 48,817            | 25,944           |
| Techno Exhibition                             | 1,710,000         | -                 | 1,710,000         | -                |
| Course fees - Advanced diploma stage 01       | 1,650,000         | 1,175,000         | -                 | -                |
| Course fees - Advanced diploma stage 02       | 1,342,000         | 300,000           | -                 | -                |
| Examination fees - Certificate level stage 02 | -                 | 101,000           | -                 | -                |
| SD and CC receivable                          | 310,900           | 4,041,700         | -                 | -                |
| Surcharge - Certificate level stage 01        | -                 | 15,000            | -                 | -                |
| Surcharge - Certificate level stage 02        | 10,000            | -                 | -                 | -                |
| Surcharge - Advanced diploma stage 01         | 32,500            | 357,500           | -                 | -                |
| Surcharge - Advanced diploma stage 02         | 27,000            | 114,500           | -                 | -                |
| Course fee - Graduate diploma                 | 1,245,000         | 3,395,000         | -                 | -                |
| Surcharge - Graduate diploma                  | 40,000            | 356,000           | -                 | -                |
| Course fee - Full time semester 02            | -                 | 150,000           | -                 | -                |
| Surcharge - Full time semester 02             | 30,000            | 37,500            | -                 | -                |
| Lab practicles 2nd semester                   | -                 | 54,000            | -                 | -                |
| Registration fee receivable                   | 10,000            | 10,000            | -                 | -                |
| NBT Receivable                                | 330,647           | -                 | -                 | -                |
| Medical Insurance Recoverable                 | 279,040           | -                 | -                 | -                |
|   | <u>15,753,725</u> | <u>16,448,226</u> | <u>10,199,736</u> | <u>6,194,730</u> |

21. AMOUNT DUE FROM RELATED PARTY

|   |          |          |          |                  |
|---|----------|----------|----------|------------------|
| IESL College of Engineering (Pvt) Limited | -        | -        | -        | 3,793,500        |
|   | <u>-</u> | <u>-</u> | <u>-</u> | <u>3,793,500</u> |

22. DEPOSITS, PREPAYMENTS AND ADVANCES

|  |                  |                  |                  |                  |
|--|------------------|------------------|------------------|------------------|
| CEB security deposit                                       | 575,000          | 575,000          | 575,000          | 575,000          |
| Deposit - Director of Telecommunication - IDD and Internet | 29,125           | 29,125           | 29,125           | 29,125           |
| Festival advances  | 51,000           | 19,000           | 51,000           | 19,000           |
| Salary advance   | 51,875           | -                | -                | -                |
| BMICH reservation  | 424,000          | 545,000          | 424,000          | 545,000          |
| Prepaid medical insurance                                  | 971,534          | 321,675          | 374,387          | 321,675          |
| Refundable deposit   | 90,000           | 302,407          | -                | 302,407          |
| Service agreement  | 338,530          | 247,225          | 338,530          | 247,225          |
| Prepaid general insurance                                  | 87,785           | 5,685            | 87,785           | 5,685            |
| Cash advance (JIY, P/R Interview, YMS, Sec.Comit)          | 1,145,459        | 871,932          | 1,145,459        | 871,932          |
| Other prepayment   | 8,262            | 9,892            | 8,262            | 9,892            |
| Advance payment  | 118,045          | 409,000          | 118,045          | 409,000          |
| Advance payment - IESL event                               | -                | 146,075          | -                | 146,075          |
| Advance payment for purchase of inventory items            | -                | 511,650          | -                | 511,650          |
| Advance for - EdexExpo                                     | -                | 45,000           | -                | -                |
| Advance paid on degree awarding status                     | -                | 250,000          | -                | -                |
| Advance paid on other works                                | -                | 64,000           | -                | -                |
| Accounts Receivable: From Universities                     | 5,372,437        | -                | 5,372,437        | -                |
| Cash Advance   | 95,650           | -                | 95,650           | -                |
| Supplier Advance payment                                   | 325,680          | -                | -                | -                |
|  | <u>9,684,382</u> | <u>4,352,666</u> | <u>8,619,680</u> | <u>3,993,666</u> |



THE INSTITUTION OF ENGINEERS, SRI LANKA  
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|   | Group               |                    | Entity             |                    |
|---|---------------------|--------------------|--------------------|--------------------|
|   | 2016<br>Rs.         | 2015<br>Rs.        | 2016<br>Rs.        | 2015<br>Rs.        |
| <b>23. FINANCIAL ASSETS</b>                     |                     |                    |                    |                    |
| 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                | 61,517,460          | 57,733,207         | 61,517,460         | 57,733,207         |
| 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         | -                  |
|   | <u>132,717,460</u>  | <u>108,933,207</u> | <u>132,717,460</u> | <u>108,933,207</u> |
| <b>24. CASH AND CASH EQUIVALENTS</b>            |                     |                    |                    |                    |
| <b>Favourable balances</b>                      |                     |                    |                    |                    |
| Cash in hand                                    | 5,350,691           | 3,823,835          | 5,239,873          | 3,718,446          |
| Cash at bank                                    | 33,211,857          | 32,471,929         | 33,209,812         | 26,606,381         |
| Time deposits                                   | 27,072,135          | 25,386,349         | -                  | -                  |
| Cash in transit                                 | -                   | -                  | -                  | -                  |
|   | <u>65,634,683</u>   | <u>61,682,113</u>  | <u>38,449,685</u>  | <u>30,324,827</u>  |
| <b>Bank overdraft</b>                           | <u>(11,748,330)</u> | <u>(5,128,093)</u> | <u>(866,354)</u>   | <u>(2,852,807)</u> |
|   | <u>53,886,353</u>   | <u>56,554,020</u>  | <u>37,583,331</u>  | <u>27,472,020</u>  |
| <b>25. LIBRARY FUND</b>                         |                     |                    |                    |                    |
| 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>     |
| <b>26. FUNDS BACKED BY SPECIFIC INVESTMENTS</b> |                     |                    |                    |                    |
| <b>Dr Sri Lakshman De Silva</b>                 |                     |                    |                    |                    |
| Balance as at 01.01.2016                        | 53,375              | 50,000             | 53,375             | 50,000             |
| Add: Contribution during the year               | 2,998               | 3,375              | 2,998              | 3,375              |
| Balance as at 31.12.2016                        | <u>56,373</u>       | <u>53,375</u>      | <u>56,373</u>      | <u>53,375</u>      |
| <b>Migara Ratnatunga Trust Fund</b>             |                     |                    |                    |                    |
| Balance as at 01.01.2016                        | -                   | -                  | -                  | -                  |
| Add: Contribution during the year               | -                   | 80,000             | -                  | 80,000             |
| Less: Cash awards                               | -                   | (80,000)           | -                  | (80,000)           |
| Balance as at 31.12.2016                        | <u>-</u>            | <u>-</u>           | <u>-</u>           | <u>-</u>           |
| <b>E.C. Fernando Memorial Award</b>             |                     |                    |                    |                    |
| Balance as at 01.01.2016                        | 275,874             | 275,874            | 275,874            | 275,874            |
| Add: Contribution for the year                  | -                   | -                  | -                  | -                  |
| Less: Cash awards                               | -                   | -                  | -                  | -                  |
| Balance as at 31.12.2016                        | <u>275,874</u>      | <u>275,874</u>     | <u>275,874</u>     | <u>275,874</u>     |
| <b>L.S. De Silva Memorial Award</b>             |                     |                    |                    |                    |
| Balance as at 01.01.2016                        | 20,000              | 30,000             | 20,000             | 30,000             |
| Less: Cash awards                               | (10,000)            | (10,000)           | (10,000)           | (10,000)           |
| Balance as at 31.12.2016                        | <u>10,000</u>       | <u>20,000</u>      | <u>10,000</u>      | <u>20,000</u>      |
| <b>M. Chandrasena Award</b>                     |                     |                    |                    |                    |
| Balance as at 01.01.2016                        | 103,694             | 114,194            | 103,694            | 114,194            |
| Add: Contribution for the year                  | -                   | -                  | -                  | -                  |
| Less: Cash awards                               | (20,950)            | (10,500)           | (20,950)           | (10,500)           |
| Balance as at 31.12.2016                        | <u>82,744</u>       | <u>103,694</u>     | <u>82,744</u>      | <u>103,694</u>     |



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|  | Group       |             | Entity      |             |
|--|-------------|-------------|-------------|-------------|
|  | 2016<br>Rs. | 2015<br>Rs. | 2016<br>Rs. | 2015<br>Rs. |
| <b>26. FUNDS BACKED BY SPECIFIC INVESTMENTS (CONTD...)</b> |             |             |             |             |
| <b>E.W. Karunaratne Award</b>                              |             |             |             |             |
| Balance as at 01.01.2016                                   | 307,626     | 327,626     | 307,626     | 327,626     |
| Add: Contribution for the year                             | -           | -           | -           | -           |
| Less: Cash awards  | (19,950)    | (20,000)    | (19,950)    | (20,000)    |
| Balance as at 31.12.2016                                   | 287,676     | 307,626     | 287,676     | 307,626     |
| <b>N.D. Peries Memorial Award</b>                          |             |             |             |             |
| Balance as at 01.01.2016                                   | 116,790     | 121,790     | 116,790     | 121,790     |
| Add: Contribution during the year                          | -           | -           | -           | -           |
| Less: Cash awards  | (5,000)     | (5,000)     | (5,000)     | (5,000)     |
| Balance as at 31.12.2016                                   | 111,790     | 116,790     | 111,790     | 116,790     |
| <b>Ray Wijewardana Award</b>                               |             |             |             |             |
| Balance as at 01.01.2016                                   | 60,000      | 30,000      | 60,000      | 30,000      |
| Add: Contribution During the Year                          | 30,000      | 30,000      | 30,000      | 30,000      |
| Less: Cash awards  | -           | -           | -           | -           |
| Balance as at 31.12.2016                                   | 90,000      | 60,000      | 90,000      | 60,000      |
| <b>Wimalasurendra Award Fund</b>                           |             |             |             |             |
| Balance as at 01.01.2016                                   | 1,000,000   | 1,000,000   | 1,000,000   | 1,000,000   |
| Add: Contribution during the year                          | -           | -           | -           | -           |
| Less: Cash awards  | -           | -           | -           | -           |
| Balance as at 31.12.2016                                   | 1,000,000   | 1,000,000   | 1,000,000   | 1,000,000   |
| <b>S.D. and C.C. Award</b>                                 |             |             |             |             |
| Balance as at 01.01.2016                                   | 995,000     | 1,000,000   | 995,000     | 1,000,000   |
| Add: Contribution during the year                          | -           | -           | -           | -           |
| Less: Cash awards  | (5,000)     | (5,000)     | (5,000)     | (5,000)     |
| Balance as at 31.12.2016                                   | 990,000     | 995,000     | 990,000     | 995,000     |
| <b>Benevolent Fund - Bank of Ceylon</b>                    |             |             |             |             |
| Balance as at 01.01.2016                                   | 6,585,510   | 6,216,943   | 6,585,510   | 6,216,943   |
| Add: Contribution during the year                          | 692,531     | 857,199     | 692,531     | 857,199     |
| Interest for the year                                      | 383,207     | 411,368     | 383,207     | 411,368     |
|  | 7,661,248   | 7,485,510   | 7,661,248   | 7,485,510   |
| Less: Expenditure Incurred during the year                 | (450,000)   | (900,000)   | (450,000)   | (900,000)   |
| Balance as at 31.12.2016                                   | 7,211,248   | 6,585,510   | 7,211,248   | 6,585,510   |
| <b>Other Funds</b>   |             |             |             |             |
| Funds received for P/A system from members                 | 625,000     | 625,000     | 625,000     | 625,000     |
|  | 625,000     | 625,000     | 625,000     | 625,000     |
| Balance as at 31.12.2016                                   | 10,740,705  | 10,142,869  | 10,740,705  | 10,142,869  |



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|  | Group       |             | Entity      |             |
|--|-------------|-------------|-------------|-------------|
|  | 2016<br>Rs. | 2015<br>Rs. | 2016<br>Rs. | 2015<br>Rs. |
| <b>27. RETIREMENT BENEFIT OBLIGATION</b>   |             |             |             |             |
| Balance at the beginning of the year   | 6,069,513   | 6,117,475   | 6,069,513   | 6,117,475   |
| Add: Provision for the year  | 764,400     | 1,189,488   | 764,400     | 1,189,488   |
|  | 6,833,913   | 7,306,963   | 6,833,913   | 7,306,963   |
| Less: Payment made during the year   | -           | (1,237,450) | -           | (1,237,450) |
| Balance at the end of the year   | 6,833,913   | 6,069,513   | 6,833,913   | 6,069,513   |
| <b>28. ACCOUNTS PAYABLE</b>  |             |             |             |             |
| Creditors  | -           | 86,000      | -           | 86,000      |
| Library deposits   | 1,680,809   | 1,543,309   | 1,680,809   | 1,543,309   |
| Accrued charges  | 6,156,958   | 6,738,996   | 2,865,879   | 4,689,641   |
| Payable to Access Engineering  | -           | 2,600,889   | -           | 2,600,889   |
| Refundable deposit   | 83,500      | 58,500      | 83,500      | 58,500      |
| Retention money - building contractor  | 480,637     | 792,324     | 480,637     | 792,324     |
| IESL NSW chapter   | 243,770     | 306,848     | 243,769     | 306,848     |
| Practical payable  | -           | 623,434     | -           | 623,434     |
| VAT payable  | 1,346,717   | 205,056     | 1,346,717   | 205,056     |
| Expense creditors  | -           | 655,740     | -           | -           |
| Other payables   | 1,231,769   | 681,169     | 1,199,597   | 459,439     |
| SD & CC payable  | 1,069,100   | 6,908,307   | -           | -           |
| Payable Lab practical  | 248,846     | 4,181,855   | -           | -           |
| Payable LAN  | -           | 1,744,767   | -           | -           |
|  | 12,542,106  | 27,127,194  | 7,900,908   | 11,365,440  |
| <b>29. RECEIPTS IN ADVANCE</b>   |             |             |             |             |
| Members' fee   | 5,343,940   | 4,770,494   | 5,343,940   | 4,770,494   |
| Others   | 100,000     | 100,000     | 100,000     | 100,000     |
| Application fee  | 241,000     | 120,000     | -           | -           |
| Course fee - Certificate level stage 01  | -           | 3,625,000   | -           | -           |
| Course fee - Certificate level stage 02  | 150,000     | -           | -           | -           |
| Course fee - Advanced diploma stage 01   | 375,000     | 3,750,000   | -           | -           |
| Exam fee - Certificate level 2   | 1,000       | -           | -           | -           |
| Amount Received in Advance - NBT   | 18,000      | -           | -           | -           |
| Amount Received in Advance - Course Fee AD2  | 487,200     | -           | -           | -           |
| Full time programme 1st year   | -           | 4,945,000   | -           | -           |
| Registration fee   | -           | 480,000     | -           | -           |
|  | 6,716,140   | 17,790,494  | 5,443,940   | 4,870,494   |
| <b>30. AMOUNT DUE TO RELATED PARTY</b>   |             |             |             |             |
| IESL College of Engineering (Private) Limited  | -           | -           | 2,000       | -           |
|  | -           | -           | 2,000       | -           |
| <b>31. COMMITMENTS</b>   |             |             |             |             |
| There were no commitments existing as at the reporting date.   |             |             |             |             |
| <b>32. CONTINGENT LIABILITIES AND CONTINGENT ASSETS</b>  |             |             |             |             |
| <b>32.1 Contingent Liabilities</b>   |             |             |             |             |
| <b>Litigation - Institute and Subsidiary</b>   |             |             |             |             |
| 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 have been offered and to maintain the status quo in respect of all study programmes and other activities conducted by IESL College of Engineering (the subsidiary company) until the final determination of the case. |             |             |             |             |
| <b>Litigation - Institute</b>  |             |             |             |             |
| The case bearing No. DSP 137-2016 was filed in the district court of Colombo by 2 petitioners against the proposal marked X 22 (a) on a resolution to cease the operation of subsidiary company as illegal and against to law. There is no monetary claim in the case.   |             |             |             |             |
| The outcome of the above cases cannot be determinable at the reporting date.   |             |             |             |             |



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33. ASSETS PLEDGED

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

| Name of the financial institution | Nature of the facility | Assets pledged                | Facility granted<br>Rs. | Balance outstanding<br>Rs. |
|-----------------------------------|------------------------|-------------------------------|-------------------------|----------------------------|
| Bank of Ceylon                    | Bank overdraft         | Fixed deposit A/C No. 2355742 | 1,050,000               | 866,354                    |

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

Trading Transactions

The institution has entered into contracts in the normal course of business with the following company, in which Eng. Mr. W.Gamage, Eng. Mr. J. Meegoda, Eng. Mr. S. B. Wijekoon and Eng. Mr. D.A.R.Dolage 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       |             |
|---------------------------------------|--------------|--|-------------|-------------|
|                                       |              |  | 2016<br>Rs. | 2015<br>Rs. |
| IESL College of Engineering (Pvt) Ltd | Subsidiary   | Telephone - Mobitel bill   | 30,128      | -           |
|                                       |              | Rent income received   | -           | 1,487,000   |
|                                       |              | Course fee paid to IESL by the students of the college.              | -           | 200,000     |
|                                       |              | Library charges received   | -           | 1,138,500   |
|                                       |              | Expenses incurred on behalf of IESL College of Engineering           | -           | 2,775,000   |
|                                       |              | Cash receipts from IESL College as settlement of outstanding balance | -           | (8,040,940) |
|                                       |              | Dividend income received (net)                                       | 16,670,823  | 450,000     |
|                                       |              | Royalty Income   | 9,943,575   | -           |
|                                       |              | Hire of Auditorium Income  | 353,000     | -           |
|                                       |              | Participation of techno exhibition 2016                              | 1,000,000   | -           |
|                                       |              | Advertisement at IESL premises                                       | 1,500,000   | -           |
|                                       |              | Student course fee refund  | (220,000)   | -           |

36. COMPARATIVE INFORMATION

comparative figures have been re-classified where necessary in line with the presentation requirements for the current year.





## COUNCIL APPOINTED COMMITTEES - 2016/2017

### Professional Standards Management Committee

#### MEMBERSHIP DATA

| MEMBERSHIP         |                           | ADDITIONS   |         |             | DELETIONS   |          |           |   | Total as<br>26.09..2016 | Net change during<br>the session |
|--------------------|---------------------------|-------------|---------|-------------|-------------|----------|-----------|---|-------------------------|----------------------------------|
|                    | Total as at<br>25.08.2016 | Transferred | Elected | Re-instated | Transferred | Deceased | Suspended | For non-<br>payment of<br>Subscriptions<br>for 2015 |                         |                                  |
| FELLOWS            | 498                       | 14          |         | 03          |             | 08       |           | 08  | 499                     | +1                               |
| HONORARY FELLOWS   | 03                        |             |         |             |             |          |           |   | 03                      | 0                                |
| MEMBERS            | 4,367                     | 290         | 03      | 111         | 14          | 05       |           | 171   | 4,581                   | +214                             |
| ASSOCIATE MEMBERS  | 8,717                     | 1,233       | 308     | 245         | 290         |          |           | 863   | 9,350                   | +633                             |
| AFFILLIATE MEMBERS | 67                        |             | 41      | 5           |             |          |           | 23  | 90                      | +23                              |
| COMPANION          | 11                        |             |         |             |             |          |           |   | 11                      | 0                                |
| ASSOCIATES         | 31                        |             |         |             |             |          |           | 3   | 28                      | -3                               |
| STUDENT MEMBERS    | 3,308                     |             | 2,905   | 3           | 1,233       |          |           |   | 4,983                   | +1,675                           |
| TOTAL              | 17,002                    | 1,537       | 3,257   | 367         | 1,537       | 13       | -         | 1,068   | 19,545                  | +2,543                           |
|                    | +2,543                    |             |         |             |             |          |           |   |                         |                                  |

#### Please Note:

1. Student Membership is not currently maintained with the Membership Management System.
2. During 2016/17 session 30 Fellows and 86 Members were transferred to Honorary Life Fellow and Honorary Life Member categories respectively. These are not indicated separately in the above Table.
3. Total number of Chartered Engineers added during the year is 293 (290 transferred and 3 elected under direct route).

Professional Standard & Management Committee (PSMC) for the 2016/2017 Session had held 11 regular meetings during the Session 2016/2017. In addition, 3 special meetings were held to discuss important issues related to the Professional Review Process. Members of the PSMC\* are given below:

| No | Name                           | Mem NO  | No. of Meetings<br>attended |
|----|--------------------------------|---------|-----------------------------|
| 1  | Eng. (Prof) (Mrs) N. Ratnayake | F-747   | 11                          |
| 2  | Eng. Jayantha Ranatunga        | HLF-532 | 04                          |
| 3  | Eng. B.R.O. Fernando           | HLF-576 | 10                          |
| 4  | Eng. Russel De Zilwa           | F-579   | 05                          |
| 5  | Eng. K.P.I.U. Dharmapala       | F-770   | 09                          |
| 6  | Eng.(Dr.) K M P S Bandara      | F-846   | 06                          |
| 7  | Eng. J.W.M.R.T. Seimon         | F-879   | 10                          |

|    |                                   |        |    |
|----|-----------------------------------|--------|----|
| 8  | Eng. (Ms) Shyama Gunawardana      | F-904  | 06 |
| 9  | Eng. (Mrs.) Badra Jayaweera       | F-936  | 08 |
| 10 | Eng. Indika Walpitage             | F-1017 | 08 |
| 11 | Eng. M.K. Hapuarachchi            | F-1033 | 04 |
| 12 | Eng. P.C. Jinasena                | F-1035 | 04 |
| 13 | Eng. A. Manamperi                 | F-1041 | 06 |
| 14 | Eng. A.P. Ranjith De Silva        | F-1042 | 09 |
| 15 | Eng. M.N.A. Samad                 | M-3541 | 06 |
| 16 | Eng. S.H.U. De Silva              | M-3733 | 09 |
| 17 | Eng. M.N.S.S. Sharifdeen          | M-3856 | 05 |
| 18 | Eng. (Ms.) T. Jayasundera         | M-4815 | 06 |
| 19 | Eng. Gamini Ramawickrama          | M-4883 | 07 |
| 20 | Eng. Dhammika Dharmaratne         | M-5110 | 06 |
| 21 | Eng. (Lt. Col)( Dr.) C. D. Gamage | M-5744 | 07 |
| 22 | Eng. S.S. Gunawardana             | M-5753 | 06 |
| 23 | Eng. N.T.P.G. K.S. Nanayakkara    | M-6045 | 07 |
| 24 | Eng. P.A. Samira Anuradha         | M-6267 | 05 |
| 25 | Eng. Z.T.M. Fazli                 | M-6420 | 05 |
| 26 | Eng. R.C. Dassanayaka             | M-6890 | 08 |
| 27 | Eng. D.N. Balasuriya              | M-6986 | 05 |
| 28 | Eng. M.Y.M. Insaf                 | M-7142 | 06 |

(\*Names of Members who attended 4 or more regular meetings are included in the list)

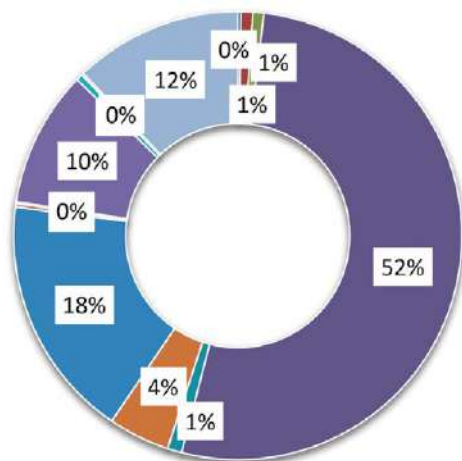
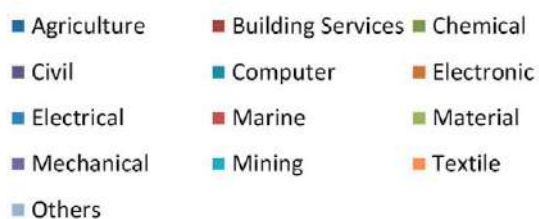
The membership division regularly updates the membership database after council approval is obtained for new members, transfers and reinstatements. The system automatically archives names of members whose subscriptions are not received by 31st October of each year. Reminders for payment of subscriptions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

The total number of members as at the end of August 2016 was 17,002 and at end of August 2017 is 19,545. (Increased by 15%)

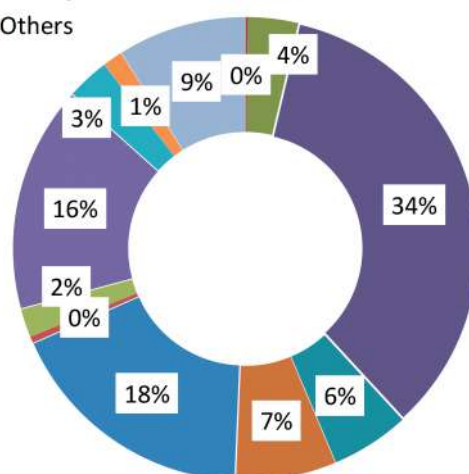
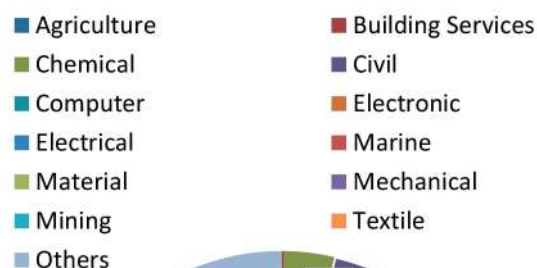
Discipline-wise distribution of Corporate Members and Associate Members as at 15.09.2017 is given in the Table below:

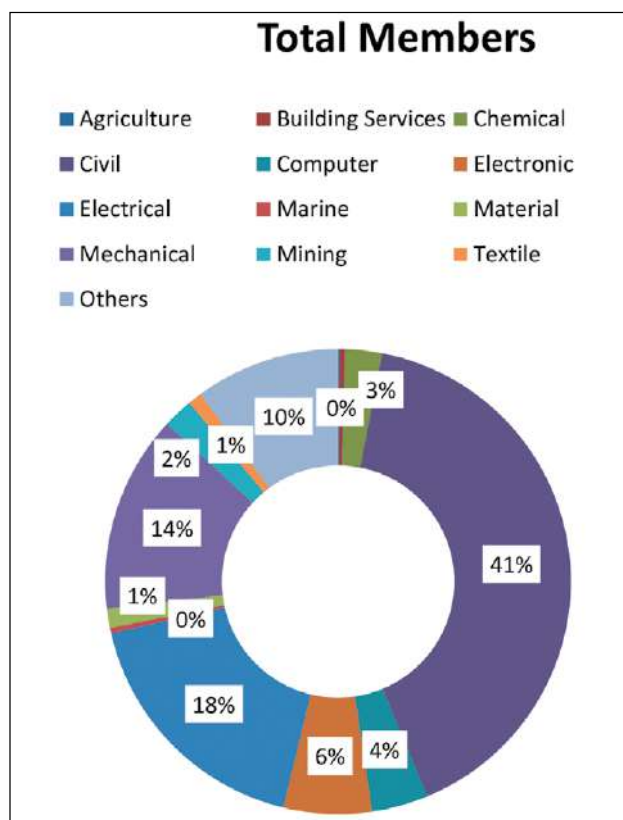
|                             | Corporate Members | Associate Members | Total  |
|-----------------------------|-------------------|-------------------|--------|
| Agricultural and Plantation | 12                | 03                | 15     |
| Building Services           | 43                | 14                | 57     |
| Chemical                    | 40                | 327               | 367    |
| Civil                       | 2,650             | 3,223             | 5,873  |
| Computer                    | 53                | 513               | 566    |
| Electronic                  | 225               | 658               | 883    |
| Electrical                  | 891               | 1,654             | 2,545  |
| Marine                      | 12                | 42                | 54     |
| Material                    | 07                | 186               | 193    |
| Mechanical                  | 500               | 1,482             | 1,982  |
| Mining                      | 24                | 278               | 302    |
| Textile                     | 08                | 129               | 137    |
| Others                      | 615               | 841               | 1,456  |
|                             | 5,080             | 9,350             | 14,430 |

### Corporate Members



### Associate Members





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:

Discipline-wise distribution of Resources Persons registered as Professional review Evaluation Panelists as at 15.09.2017.

| Discipline                 | Number registered |
|----------------------------|-------------------|
| Agriculture and Plantation | 04                |
| Building Services          | 02                |
| Chemical                   | 09                |
| Civil                      | 116               |
| Computer                   | 02                |
| Electronic                 | 13                |
| Electrical                 | 27                |
| Marine                     | 03                |
| Mechanical                 | 24                |
| Mining                     | 04                |
| Others                     | 06                |
| Total                      | 210               |

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 2016/17 SESSION**

#### **Meeting for the Reviewers:**

Two meetings/workshops were held for PR Panel Members. Objective of these workshops was to share the knowledge and experience of senior reviewers, discuss the issues and shortcomings encountered during the PR evaluations (eligibility checking, reports, interviews and examination (A and B Papers)), and make suggestions for improvement of the process.

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

The committee appointed in 2015 to re-visit the PR Rules submitted the revised document, and the PSMC full committee held three special sessions to go through the revised document in detail. Special efforts were taken to remove anomalies and clarify unclear sections. The final version will be submitted to Council for approval early in the next session.

On the initiative of several members, a Handbook for reviewers was also drafted, and the final version is in preparation after studying the draft at a special PSMC meeting dedicated to this activity.

#### **Workshops for Associate Members**

It is well known that obtaining Chartered Engineer status is reaching the pinnacle of one's Engineering Career. Many Associate members, particularly those working in the provinces, who face the PR process are often found ill prepared as they have not followed the basic requirement of training and responsible experience after graduation. Also, they need guidance in preparation of the reports and facing the interviews and examinations. In order to provide guidance in these matters, PSMC commenced conducting workshops by senior engineers who are experienced PR evaluators, at all provincial chapters a few years ago. These workshops were held this year too, and Past President Eng. Shavindranath Fernando and Council member Eng. K.P.I.U Dharmapala volunteered their time for this activity this year. In addition, Eng.(Dr.) K.M.P.S.Bandara, member of PSMC conducted workshops at the Headquarters, particularly on the competence based assessment and report preparation.

#### **PR Examinations**

This year too, PR applications were received four times in the year, i.e. Feb/March, May/June, Aug/Sept and November/December, providing eligible Associate Members 04 opportunities per year to apply for PR Evaluations. However, learning from the experience of last year, where the applicants who failed in the PR tended to re-apply for the next batch, without taking any time to prepare and correct their failures, a restriction was introduced so that the failed candidates were not allowed to apply for the next immediate call for applications.

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, before calling for the Interview. Some amendments/improvements were also added to the eligibility checking form, after discussion.

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 obtain 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.

The 20 year special route for engineers who have not become chartered engineers although holding high positions in engineering related organizations, which was introduced on temporary basis was discontinued as its validity period was over in June 2017. In order to achieve uniformity in accepting the applications under this category, which was intended for senior engineers holding responsible positions in organizations, a standardizing committee comprising members with experience in evaluating candidates was introduced, entrusted with the task of evaluating the suitability of the applications for this process. As the need for such a route to accommodate senior engineers in the field still exists, particularly with the establishment of the Engineering Council, PSMC will be studying a process that would be acceptable, without lowering the standards of the charter.

### **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 centre 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. Last year (2015/2016), the B paper was held in Qatar Chapter for the first 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). 21 candidates appeared for PR “B” Paper Aug/ Sept 2017 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.

### **Marking scheme for ‘A’ Paper and ‘B’ Paper**

Marking schemes were introduced for the assessment of ‘A’ and ‘B’ papers, to reduce the subjectivity of marking these examination papers.

### **Applying for PR through Mentor route – 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 if the secretariat is not implementing the requirements for monitoring and follow up expected as a part of this scheme. All reporting requirements should be strictly followed up and defaulters should be brought to the notice of the PSMC.

### **Revision of application charges and the honorarium payments:**

The PSMC obtained Council approval to revise honorarium payments of Panelists / Reviewers and increase fees charged on applications from the candidates accordingly, in order to recover the additional costs.

### **Web based Log Book**

PSMC had appointed a sub-committee last year to prepare the procedure for tracking of members' CPD and log books on- line. Although the system was set-up, due to the weaknesses of the current membership management system it was decided to implement this process once the new membership management system is in place.

### **Recognized Organizations**

PSMC decided to contact all the Organizations of which recognition for training engineers for the Charter have already lapsed or about to lapse. Also it was decided to contact reputed organizations who have never sought recognition to apply for IESL Recognition if they wished. 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, and also the speed of the system has drastically slowed down as the full capacity is being reached. The membership division is looking forward to the installation of the new membership management system which will be an ERP system.

### **Induction and Graduation Ceremony**

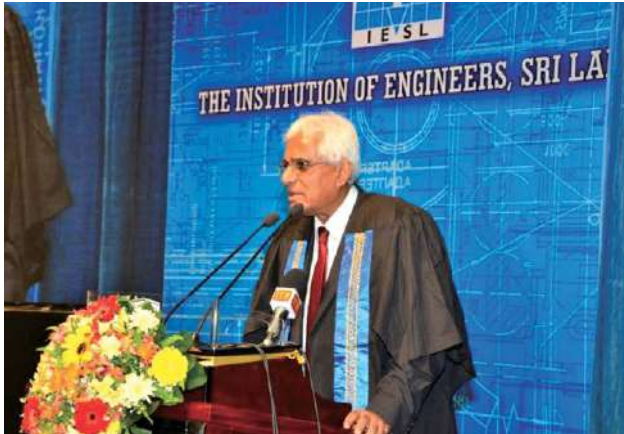
The Induction and Graduation Ceremony was organized under the leadership of the PSMC and Membership Division this year. A subcommittee appointed at the beginning of the year continued to follow up on the arrangements and report to the PSMC on a monthly basis.

It was noted that there was no standard format for the Charter certificate, and the design, font and even the paper had been changing each year. Thus the Charter Certificate was studied by the committee and a standard design was developed, which was adopted to be used in future.

The Induction Ceremony was held on 25th August 2017 at the Bandaranaike memorial International Conference Hall (BMICH) main Hall, and the Chief Guest and Guest of Honour were Indrajit Coomaraswamy, Governor, Central Bank of Sri Lanka and Past President VidyaJyothi Eng. (Prof.) K.K.Y.W.Perera, Chancellor, University of Moratuwa, respectively. This year 293 Candidates were elected as Chartered Engineers, out of which 270 candidates attended the Induction Ceremony.







(Reported by: Eng. Prof. (Mrs.) N. Ratnayake, Chairperson)

### **Library and Publications Committee**

Library and Publication Committee for the session 2016/2017:

Eng. (Prof.) D A R Dolage - Chairman  
 Eng. Jayavilal Meegoda  
 Eng. (Prof.) Mrs. N Ratnayake  
 Eng. W Gamage  
 Eng.(Prof.) S B S Abayakoon  
 Eng. (Prof.) T M Pallewatta  
 Eng. (Dr.) J M A Manatunge  
 Eng. Granie R Jayalath  
 Eng. Indika Walpitage  
 Eng. Kirthi Sri Senanayake  
 Eng. P A Samira Anuradha  
 Eng. N.T.P.G. K Samudaya Nanayakkara  
 Eng. D.N. Balasuriya  
 Eng. (Dr.) P. I. A Gomes  
 Eng. P W Wickramasekara  
 Eng. (Major) Nishsanka Wasalabandara  
 Eng. S.H.U. De Silva  
 Eng. (Dr.) Mrs. B C L Athapattu  
 Eng. K S Kumara  
 Eng. R R De Silva Bulathge  
 Eng. R B C N Rajapakshe  
 Eng. S.H.M.P. Abeywickrama  
 Eng. N.P.A.R.K. Nainanayake  
 Eng. K A. N. Kumarasinghe  
 Eng. D M H S Dissanayake  
 Eng. N N Pollwatthage  
 Eng. Muditha Silva  
 Eng. (Ms.) S Samararathna  
 Eng. A N Nanayakkara  
 Eng. T P Kodituwakku



Maintaining and improving the library and publications of the institution being the objectives of the committee, the activities completed for the session are described below:

The committee oversaw the following activities:

*(In executing these activities the committee liaised routinely with Library Development Committee and Editorial Board, and as and when with the Finance & Procurement Committee and the Council with regard to approvals.)*

- 1) Four quarterly issues of the Engineer Journal were published and posted on the websites of the IESL as well as Sri Lanka Journals Online. Hardcopies of the Journal were dispatched to most libraries of institutions associated with engineering and members who had requested for hardcopies. The journal was accepted for inclusion in the Web of Science Emerging Sources Citation Index, which is a milestone achievement of the institution for the session. Further, the IESL has applied for inclusion of the journal in SCOPUS.
- 2) The issue numbers ranging from 30 to 36 of the digital version of the 'Sri Lanka Engineering News'(SLEN) was circulated among members and 6 issues of bimonthly SLEN Paper were published. Further, copies of SLEN Paper were distributed among libraries of state engineering establishments and universities, and members specifically those requested for hardcopies. The list of recipients of SLEN hardcopy was expanded by including members of Parliament, Provincial Councils, Municipal Councils and Urban Councils.
- 3) Meanwhile the nearly 100 papers that were accepted for the technical paper presentations of the 111th Annual Sessions were published in the Annual Transactions - Part 'B' both in hardcopy form and soft copy form (in CDs). In response to The Call for Papers earlier in the year, 198 abstracts were received and from which 105 full papers were generated. It is noteworthy mention that both these processes were carried out online through the EasyChair software.
- 4) The session also saw the publication of the English translation of Sinhala hand book on "Challenges Faced in the Selection and Use of Cement" which was authored by Eng. Ananda Silva, Translation in to English was done by Eng. Kirthi Sri Senanayake.

Value added activities performed by the committee for the session are as follows:

*(In executing activities in fulfillment of these, the L & P Committee, besides liaising with the aforementioned committees and the Council, appointed members in their capacities both as individuals and as subcommittees, to carry out specialized tasks. Consultations were also done with the ICT Committee, Continues Professional Development Committee and various Sectional Committees.) So was the general membership's opinion obtained through online surveys on 'Books Demand' and for the determination of the need for a special programme for improvement of English writing skills among members.)*

### **1) Establishment of an e-library platform for IESL Library**

The committee member Eng. Palitha Wickremasekera who had undertaken the above task in the previous session continued the process contributing his valuable time and effort. In this regard he even used his personal staff in establishing an e-library platform for the IESL successfully. He demonstrated the workings of the fully developed e-library platform at the committee meeting held in August. The administration of the e-library platform which is hosted in a cloud server at a monthly rental is being gradually handed over to the Library and IT staff.

The subcommittee comprised of Eng. Samira Anuradha (Hony. Librarian), Eng. Samudaya Nanayakkara, Eng. (Dr.) Ayantha Gomez and Eng. (Dr.) B.C.L. Athapattu are engaged in studying, identifying and prioritizing materials suitable for the e-library. Information gathered from 'Books Demand' Survey conducted among the membership, 'Books Unavailable Register' and requests from sectional committee are made use of in the process.

## **2) Improvement of English Technical Writing Skills among members**

A subcommittee, chaired by President Elect, Eng. (Prof.) Mrs. Niranjani Ratnayake, comprised of Eng. (Dr.) Jagath Manatunge, Eng. K.S. Kumara, Eng. Samudaya Nanayakkara and Mrs Sujeewa Samararatne continued their work from the previous session. The online programme expected to be conducted as a Continues Development Program was developed and demonstrated to the CPD Committee. The follow up actions needed to implement the programme are being taken in coordination with the CPD Committee.

## **3) Taking IESL to the Public**

In order to ensure engineers' voice is being heard by the public, members were invited to contribute to a special column in the 'The Sunday Times' newspaper, which is dedicated for articles authored by members.

## **4) National Digitization Project**

Further to the inclusion of IESL in this project by the National Science Foundation in the previous session, creation of institutional repository is now in progress with over 100,000 pages of local engineering literature of the IESL library being scanned.

(Reported by Eng.(Prof.) D A R Dolage, Chairman)

### **Continuing Professional Development Committee (CPD)**

Continuing Professional Development (CPD) is the process of planned acquisition of knowledge, experiences, and personal qualities for proper execution of our Professional and technical duties throughout the career.

The Institution of Engineers, Sri Lanka conducts CPD programs for engineers and other professionals interested in their career and personal development under the guidance and supervision of CPD committee. CPD committee, which is one of the Standing committees of the IESL was chaired by the Vice President, Eng. (Prof.) Sarath Abayakoon for the session 2016/2017.

#### **The Continuing Professional Development (CPD) Committee-2016/2017**

1. Eng.(Prof.) S B S Abayakoon - Chairman
2. Eng. Jayavilal Meegoda
3. Eng. (Prof) (Mrs) N. Ratnayake
4. Eng. (Dr) L B K Laksiri
5. Eng. (Dr) D A R Dolage
6. Eng. G D Hathiringe
7. Eng. A. C. Rasiah
8. Eng. (Mrs) T.D. Abeysuriya
9. Eng. M N S S Sharifdeen
10. Eng. P. M. P Wijeratne
11. Eng. (Dr)(Ms) Shiromi C S Karunaratne
12. Eng. A.Tenson Bamunuarachchi
13. Eng. Maj. O M R Priyantha
14. Eng. Madhawa Herath
15. Eng. (Dr) (Ms) G.N. Samarasekara
16. Eng. M.Y.M. Insaf
17. Eng. K K Bombugalage
18. Eng. P.D.R.L. Isuru
19. Eng. L D Makewita
20. Eng. I R M M L N Rathnayaka
21. Eng K P A Weerasinghe
22. Eng. Wininda Kith Piyarathna
23. Eng. C N Dalugoda
24. Eng. S P Kandaneerachchi

The CPD programs were conducted on specific subject areas and important common topics such as management, communication skills development, Health and Safety etc. The resource persons for CPD programs were carefully selected from the best available in the Country, and the feedback from the participants was used to continually improve the programs.

## CPD COURSES

The CPD courses are conducted by the CPD Committee of the Institution. The Committee held eleven (11) monthly meetings during the session 2016/2017. The meetings were well attended and had a good support from the members for its activities. During this session the Committee organized number of CPD Courses and all of them were well attended. The details of the courses conducted are summarized below.

| Description                          | Number of courses |
|--------------------------------------|-------------------|
| Courses completed during the session | 30                |
| Courses in progress at present       | 04                |
| Courses expected to be conducted     | 03                |
| Total Number of Courses              | 37                |

The CPD committee prepared a long awaited comprehensive report on Policies & Procedural guidelines indicating how to accept and accredit a CPD program by the IESL. The report was approved by the Council and will be effective from January 2018.

In this session, CPD Committee conducted several CPD programmes away from Colombo with the assistance of the respective Provincial Chapters. The responses for the events were satisfactory. committee has planned to conduct more programmes in the future so that the members in the provinces would have the opportunity to attend said courses in respective provinces, thereby avoiding the need for visiting the Head Office.

Arrangements have been made to commence nine CPD courses for middle level technicians. Coordinators have been appointed for each course and preparations are underway to start courses in the near future.

During the session, two CPD certificate awarding ceremonies were held to distribute certificates to those who had successfully completed the courses.

**Courses/lectures that were conducted up to September 2017 were on the following themes:**

| No | Courses completed   | No of participants |
|----|---|--------------------|
| 1  | Extra Low Voltage Systems Part 1                            | 76                 |
| 2  | Modern Practices in Readymix Concrete                       | 56                 |
| 3  | Professional Presence                                       | 42                 |
| 4  | English for Professionals                                   | 74                 |
| 5  | Designing of Fire Detection and Protection Systems          | 115                |
| 6  | Energy Management   | 86                 |
| 7  | Civil Engineering Design (in Galle)                         | 48                 |
| 8  | Management and Dispute Resolution of Construction Contracts | 66                 |
| 9  | Enterprise Resource Planning for Construction Engineering   | 23                 |

|                                     |   |                           |
|-------------------------------------|---|---------------------------|
| 10                                  | Design of Electrical Installation   | 146                       |
| 11                                  | Time and Task management  | 15                        |
| 12                                  | Quantity Surveying  | 40                        |
| 13                                  | Report Writing  | 23                        |
| 14                                  | Industrial Automation   | 55                        |
| 15                                  | Civil Engineering Design – session 1  | 30                        |
| 16                                  | Practical Finite Element Analysis – Concepts and Applications   | 41                        |
| 17                                  | Plumbing Engineering  | 65                        |
| 18                                  | Lightning Protection  | 130                       |
| 19                                  | Civil Engineering Design-session 2  | 30                        |
| 20                                  | Procurement Management  | 49                        |
| 21                                  | Contract Administration   | 33                        |
| 22                                  | Highway & Traffic Engineering   | 41                        |
| 23                                  | Building Management System  | 62                        |
| 24                                  | Fundamentals of Water Quality, Water Safety, Guidance on Design of Water Treatment Systems and Operations and Maintenance of Water Treatment Plants | 30                        |
| 25                                  | Principles of Waste Water Collection, Treatment, Disposal / Reuse, Storm Water Drainage and Guidance on Design of of Wastewater Treatment Systems   | 22                        |
| 26                                  | Six Sigma for Engineers   | 21                        |
| 27                                  | Health & Safety Management  | 22                        |
| 28                                  | Air Condition system Designing  | 100                       |
| 29                                  | Computational Fluid Dynamics  | 12                        |
| 30                                  | MS Project Work shop  | 69                        |
|                                     | Total   | 1,622                     |
|                                     |   |                           |
| <b>No</b>                           | <b>Courses in progress</b>  | <b>No of participants</b> |
| 1                                   | Extra Low Voltage   | 55                        |
| 2                                   | English for Professionals   | 30                        |
| 3                                   | Project Management in Primavera P6  | 28                        |
| 4                                   | Management and Dispute Resolution of Construction Contracts   | 45                        |
|                                     | <b>Total</b>  | <b>158</b>                |
|                                     |   |                           |
| <b>Total Number of Participants</b> |   | <b>1,780</b>              |
| <b>Total Income</b>                 |   | <b>39,279,200</b>         |
|                                     |   |                           |
| <b>NO</b>                           | <b>Courses to be conducted</b>  |                           |
| 1                                   | Project Management  |                           |
| 2                                   | Designing of Fire Detection and Protection Systems  |                           |
| 3                                   | Mechanical Design   |                           |

**Details of New CPD courses conducted during the session 2016/2017**

1. Civil Engineering Design
2. Industrial Automation
3. Practical Finite Element Analysis – Concepts and Applications
4. Lightning Protection
5. Contract Administration
6. Building Management System
7. Six Sigma for Engineers
8. Computational Fluid Dynamics
9. Project Management in PRIMAVERA P6

**Conducted Seminars**

1. ISO standard
2. E-Waste Management
3. Strategic Leadership Development program

**CPD subcommittee to introduce courses for Middle Level Technicians**

1. Automobile technology M (hybrid, electric, gasoline, solar)
2. Civil Construction technology
3. LV/ELV and electrical wiring M (CCTV, Networking, regulations etc.)
4. Project Management M
5. Air conditioning and refrigeration M
6. Plumbing
7. Electrical Installations and wiring M

## SECTIONAL COMMITTEES

### **Agricultural & Plantation Engineering Sectional Committee : 2016/2017**

Agricultural & Plantation Engineering Sectional Committee had a successful session in 2016/2017. Eng. T.M.R. Dissanayake chaired the committee during this session. All Committee members agreed to appoint Eng. (Ms). T.N Fernando as the Secretary of the Agricultural and Plantation Engineering Sectional Committee for the session 2016/2017.

Eng. T.M.R Dissanayake - Chairman  
Eng. (Ms). T.N. Fernando - Secretary  
Eng. T.K.G. Ranasinghe  
Eng. N. Kanesu  
Eng. M.H.M.A. Bandara  
Eng. A. Edirisinghe  
Eng. Dr. Sarath Samaraweera  
Eng. M.M.S. Marasinghe  
Eng. M.H.J.J. Hemachandra  
Eng. G.A.M.A. Wijetunga  
Eng. S. Wijesekara

Other Members participated for meetings:-

Eng. H.M.A.P. Rathnayake  
Eng.(Mrs). D.M.S.P. Bandara  
Eng. T. Manamperi  
Eng. A. Ayomi

### **Meetings**

The sectional committee conducted nine committee meetings during the session as follows.

| No. | Date       | Venue         | Attendance |
|-----|------------|---------------|------------|
| 01  | 2016.11.25 | IESL, Colombo | 08 Members |
| 02  | 2016.12.29 | IESL, Colombo | 09 Members |
| 03  | 2017.02.02 | IESL, Colombo | 04 Members |
| 04  | 2017.03.23 | NERDC, Ja-Ela | 06 Members |
| 05  | 2017.05.30 | IESL, Colombo | 06 Members |
| 06  | 2017.06.30 | IESL, Colombo | 06 Members |
| 07  | 2015.07.27 | IESL, Colombo | 05 Members |
| 08  | 2015.08.24 | IESL, Colombo | 07 Members |

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

| <b>A.NO</b> | <b>Activity Description</b>   | <b>Progress</b>   | <b>Other Remarks</b>  |
|-------------|---|---|---|
| 1           | Arranging membership campaign through e-mail to attract engineers working in agriculture based institutions/companies as members of section   | Sent mails to known engineers working in Agricultural Engineering and Plantation Engineering sector.  |   |
| 2           | Visiting of NERD Centre – Joint program with Mechanical Engineering Sectional Committee   | Visited on 23.03.2017 jointly with Mechanical Engineering Sectional Committee   | Had a meeting with engineers in Agriculture and Post-harvest Technology division of NERDC   |
| 3           | Extending committee support to prepare course and course material of Agricultural engineering degree program of OUSL and those graduated from OUSL as an agricultural engineers           | Some members of the committee are giving their support to prepare course and course materials. OUSL has appointed these committees.           | Held a meeting with Head/Agricultural and Plantation Engineering Department of OUSL on 13.08.2017 regarding course material preparation.  |
| 4           | Extending committee support to those who graduated from OUSL as an agricultural engineers   | Committee is working on this matter continuously as there is a problem for finding positions for Agricultural Engineers in government sector. | Eng. Thakshila Manamperi (A.M. 16050) graduated from OUSL is working with government officials to create Agricultural Engineers post at Department of provincial Agriculture. Committee extended support to his effort. |
| 5           | Initiating to establish Agricultural engineering degree program in other state universities as county needs more agricultural engineers to boost the mechanization of agricultural sector | This is in progress   |   |
| 6           | Communicating with non-corporate members with regard to the special route to corporate membership which is available up to May 2018.  | All possible members have been informed to apply for membership through Special Route.  |   |
| 7           | Holding field visit and sectional committee meeting at IPHT Anuradhapura  | Postponed to next term  |   |



|    |  |  |   |
|----|--|--|---|
| 8  | Holding a CPD activity for engineers jointly with other sectional committee          | Postponed to next term   |   |
| 9  | Arranging field visit to food processing company in Colombo suburb jointly with MESC | This is in progress and had discussion with Milco Private Limited. |   |
| 10 | Arranging field visit to Tea processing company in Colombo suburb jointly with MESC  | Postponed to next term   |   |
| 11 | Techno 2017  | This is in progress  | Arrangements are being made to participate in TECHNO 2017 |

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

### **Building Services Engineering Sectional Committee (BSESC) : 2016/2017**

The Building Services Engineering (BSE) has undoubtedly become a key engineering sector in the modern era when high risers are coming up in the cities with the growing focus towards sustainability. This sector in Sri Lanka has emerged as a different trade recently. Resultantly the establishment of BSESC at IESL is not more than a decade old. However, thanks to the courageous founding members and the determined current membership, BSESC journey at IESL over the past few years has been tremendous. BSESC has retained the 'Best Sectional Committee Stall' title at the techno exhibition of IESL for the last six (6) consecutive years !



### **BSESC - Session 2016/2017**

The inaugural session of the BSESC 2016/17 was held on 29/11/2016 with the participation 46 BSESC members. Eng.Samantha Gunawardana, the new chairman for the session did the inaugural presentation highlighting the major activities forecasted for the year 2016/2017. The following office bearers for the session were formally elected by the house.

## Office Bearers elected for the Session 2016/2017



| Membership Category | No. | Name                  | Membership Grade | Membership No. |
|---------------------|-----|-----------------------|------------------|----------------|
| Fellow Members      | 1   | Kirthi Sri Senanayake | F                | 617            |
|                     | 2   | Chula De Silva        | F                | 688            |

|                   |    |                                 |    |       |
|-------------------|----|---------------------------------|----|-------|
| Members           | 3  | Samantha Gunawardana (Chairman) | M  | 5753  |
|                   | 4  | Prasanna Narangoda              | M  | 6334  |
|                   | 5  | Chandimal Jayakody              | M  | 6392  |
|                   | 6  | Indika Wijethunga               | M  | 6600  |
|                   | 7  | Suran Fernando (Secretary)      | M  | 6815  |
|                   | 8  | Samantha Indika                 | M  | 6820  |
|                   | 9  | Sagara Akalanka                 | M  | 7168  |
|                   | 10 | Danesh Subasinghe               | M  | 7187  |
|                   | 11 | Damitha Jayarathne              | AM | 9432  |
|                   | 12 | Lakmal Isuru                    | AM | 9504  |
| Associate Members | 13 | Asanka Karunanayake             | AM | 9514  |
|                   | 14 | Mohan Wijesinghe                | AM | 9607  |
|                   | 15 | Thushara Pathirana              | AM | 9822  |
|                   | 16 | Sanjeewa Rathnayaka             | AM | 10080 |
|                   | 17 | Dilan Thilanga                  | AM | 13525 |
|                   | 18 | Chamini Jayarandika (Ms.)       | AM | 16604 |
|                   | 19 | Asitha Bandaranayake            | AM | 16680 |
|                   | 20 | Pradeep Dankanda                | AM | 17016 |

## Activities for the Session 2016/2017

| BSESC ACTIVITY                              | JOINT TASK LEADERS   |
|---|--|
| CPD Courses                                 | Koojana Weerasinghe / Lakmal Isuru   |
| Public Lectures                             | Indika Wijethunga / Dilan Thilanga   |
| Field Visits                                | Priyantha Balapitiya / Damitha Jayarathne  |
| Recognition of Training Places              | Samantha Gunawardana/ Thushara Pathirana/ Pradeep Dankanda   |
| Charter Criteria Evaluation                 | Samantha Gunawardana/ Sanath Abeykoon/ Suran Fernando/ D.U. Amarasinghe  |
| Sri Lankan Engineering Heritage Exploration | Suran Fernando / Priyan Bellana / Thushara Pathirana   |
| Techno 2017                                 | Lakmal Isuru / Sagara Akalanka / Thushara Pathirana<br><b>Members:</b> All 2016 Techno team members                          |
| Plumbing Handbook Preparation               | Prasanna Narangoda / Advisor: Kirthi Sri Senanayake<br><b>Members:</b> Priyan Bellana / Samatha Indika / Upula Dharmawardena |
| SCA/8 Revision                              | Sanath Abeykoon/ R.Shanmugaratnam / Prasanna Narangoda   |
| SLEN  | D.U. Amarasinghe / Darshana Subasinghe   |
| CSR Project                                 | Danesh Subasinghe/ Asitha Bandaranayake  |

### (1) Continuing Professional Development (CPD) Courses

BSESC has been organizing several weekend CPD courses at IESL. These CPD courses are very attractive within the building services community in Sri Lanka. In this session BSESC has launched a new CPD titled 'Energy Management' in collaboration with Sri Lanka Energy Manager's Association (SLEMA) and IESL. This is undoubtedly an achievement of the BSESC. Thus, BSESC CPD subcommittee is currently working on some new CPDs in important building service sectors to cater the demand.

| # | CPD Course organized by BSESC                    | Duration | Start (Month) | Status    |
|---|--|----------|---------------|-----------|
| 1 | Energy Management                                | 07 days  | November '16  | Completed |
| 2 | Plumbing Engineering                             | 11 days  | March '17     | Completed |
| 3 | Building Management Systems (BMS)                | 08 days  | June '17      | Completed |
| 4 | Extra Low Voltage (ELV)                          | 07 days  | September '17 | Scheduled |
| 5 | Designing of Fire Detection & Protection Systems | 06 days  | September '17 | Scheduled |

### (2) BSESC Public Lectures

BSESC has been organizing a series of important public lectures for the year 2016/2017 with the intention of improving the technical & non-technical knowledge of IESL members & the public.

The following are the public lectures organized by the BSESC during the session 2016/17.

| Public Lecture  | Resource Person         | Date           |
|---|-------------------------|----------------|
| 'Healthy Life Style'  | Prof. Anura Weerasinghe | 15th Dec. 2016 |
| 'Building Information Modeling'   | Mr. Gemunu Nanayakkara  | 10th Jan. 2017 |
| 'Necessity of Private Engineering Think Tanks for Government Policy Making Processes' | Eng. Ernest Kithsiri    | 16th Mar. 2017 |
| 'Industrial Safety Procedures in High Risk Machinery including Steam Boiler'          | Eng. Luxman Jansz       | 06th Apr. 2017 |

### **(3) BSESC Field Visits**

In May 2017, BSESC has done an online survey within its committee to get an understanding about the individual interests of its members about Field Visits. The findings of the survey were helpful later when organizing the field visits for BSESC members. In this survey a majority of members has expressed their consent to go to an 'operating building with advanced MEP systems' while their second priority was for a 'high rise building which is under construction where M&E installations are ongoing'.

#### **I. Field Visit No.01/ BSESC Gettogether – Hotel Heritance Kandalama**

Considering the consent of the majority of members expressed at the survey a field visit was arranged to Hotel Heritance Kandalama to study its advance building services systems. The venue was specifically selected by considering its significance as an iconic building of building services and best practices that have been endorsed by receiving the National Energy Efficiency gold award, Best Green Hotel title etc.

Thirty (30) BSESC members joined the field visit & the following systems were observed by the BSESC team.

- a) Central AC chillers, its chilled water circulation system & air distribution system
- b) Water treatment plant
- c) Sewer treatment plants
- d) Standby power generation system & electrical distribution system
- e) Fire protection system
- f) ELV system, elevator system etc.
- g) Gasifier, boiler & steam distribution system

At the end of the field visit at Hotel Heritance Kandalama, the BSESC team did not forget to fix their annual get-together at the same venue known for its unparalleled hospitality, star class cuisine and healing natural surroundings. Swimming pool session, BBQ night filled with music and dancing added glamour to this fun filled weekend.





## **II. Field Visit No.02 (Planned) – Altair Project**

This was originally scheduled for August 2017 but had to postpone to the month of October due to the delay in the M&E installations of the project.

### **(4) Sri Lankan Engineering Heritage Exploration**

There have been several attempts time to time by the engineering community to explore the engineering aspects of our proud ancient heritage. Many studies on the ancient structures & indigenous technologies with an engineering perspective were carried out only within the framework of civil, structural & mechanical engineering. However, the viewpoint of the building services engineering is notably lacking in these attempts though there have been enough ancient conserved sites in the ancient cities of Sri Lanka with prominent building services engineering significance.

Understanding this gap, the BSESC has launched a brand-new venture during the session 2016/17 on the exploration of the local engineering heritage. An archaeological site of 'Ranmasu Uyana', an ancient royal water garden in Anuradhapura was selected for initial detailed investigation due to its superior micro water management system.

During the session, the team has already done a significant number of tasks related to this venture.

- 1) Study publications by authoritative sources as the literature survey
- 2) Visited several related archeological sites in Anuradhapura (Ranmasu Uyana, Eth Pokuna, Jethawanarma Museum etc.)
- 3) Had discussions with prominent scholars in the archeological field as well as with the officers working in the organizations like Central Cultural Fund (CCF) & Royal Asiatic Society BSESC would like to pay its gratitude to the Project advisor, Eng. Chandana Jayawardena of CCF for his excellent guidance.

## **(5) Techno 2017 – BSESC Stall**

This year BSESC Techno team is led by Eng. Lakmal Isuru, Eng. Sagara Akalanka & Eng. Thushara Pathirana. The preparation work of the Techno 2017 stall is now in progress.

Some photos of BSESC stalls in previous Techno exhibitions are below.

## **(6) Knowledge Sharing Presentations**

BSESC, which is manned with experienced engineers in different building services sectors, has made use of their exposure to widen the knowledge of the fellow committee members. At the end of the monthly meetings, a knowledge sharing presentation followed by a Q&A session was regularly conducted by one of the BSESC members for the benefit of the others and this activity was appreciated by many.

The following are some of the short presentations completed during the session 2016/17.

| # | Month    | Topic of the Knowledge Sharing Presentation   | Resource person (member)  |
|---|----------|---|---------------------------|
| 1 | January  | Proper way of Selection of LED Lighting       | Eng. Prasanna Narangoda   |
| 2 | February | The behavior of Human Mind                    | Eng. Anurasiri Disanayake |
| 3 | March    | New Trends in Pumping Technology              | An engineer from Grundfos |
| 4 | July     | Professional Review Rules – Building Services | Eng. Samantha Gunawardena |
| 5 | August   | Solar Electricity in Sri Lankan context       | Eng. Kushan Jayasuriya    |

## **(7) Recognizing of Training Organizations**

As the recognized training places for the building service engineers are very few it is essential to include more training places to the existing list. BSESC needs to encourage organizations to apply and get selected for this list. BSESC has understood that the current application form for recognizing institutions for training of engineers should be reviewed as the initial step. BSESC is now working on this.

## **(8) Revision of the ICTAD SCA-8 ('Specifications for Electrical & Mechanical Works Associated with Buildings & Civil Engineering')**

Institute for Construction Training and Development (ICTAD) requested IESL to revise & update SCA-8 document. This important specification document has never been updated after year 2000. On behalf of IESL, BSESC has accepted to carry out this important assignment with the contributions of its expert building service engineers. ICTAD SCA-8 subcommittee of BSESC is presently handling this revision.

## **(9) Preparation of the Plumbing Guide Book**

There is a greater need for a guide book on plumbing, covering water supply and wastewater treatment/disposal for buildings, which can be used by the owners, builders, technical personnel for general information, education and proper application in practice. Having understood this requirement BSESC is currently engaged in the preparation of a book to cover the practical aspects of plumbing engineering applicable for the building sector. An internal subcommittee appointed by the BSESC including experienced BS engineers is currently working on this.

## **(10) IESL Cricket Fiesta 2017**

BESEC cricket team (Super High Risers) has participated in the IESL Cricket Fiesta 2017 under the captaincy of Eng. Lenin Fernando. Excellent all-round performance at the first-round match against ITCESC brought the Super High Risers to the semifinal level. Unfortunately, Super High Risers lost the quarter finals against Vadakkin Super Kings, the team that eventually became the runners up of the tournament.

## **(11) Networking Events**

The BSESC team had a mini get-together at Cey-nor Seafood Restaurant to celebrate the Techno 2016 victory and to offer gratitude to the Gold Winning BSESC Techno team led By Eng. Lakmal Isuru & Eng. Asitha Bandaranayake.

On 12th August 2017 BSESC team once again got together at the Engineers' Night 2017 held at Hotel Taj Samudra.

(Reported by Eng. Samantha Gunawardena, Chairman- BSESC & Eng. Suran Fernando, Secretary- BSESC)

## **Chemical and Process Engineering Sectional Committee: 2016 / 2017**

The inaugural meeting of the Chemical And Process Engineering Sectional Committee (CPESC) for the session 2016/2017 was held on 28th November 2016 at IESL Head Quarters.

Chairman of the CPESC Eng. KGH Kodagoda presided the meeting.

Eng.(Mrs) DMHS Dissanayaka was nominated as the Secretary and the following members were selected as committee members for the session 2016/2017

Representing Fellows:

1. Eng. Prof. SAS Perera
2. Eng. Dr. SAK Abeywardana

Representing Corporate Members:

1. Eng. EM Piyasena
2. Eng. D Walhenge
3. Eng. PS Maldeniya
4. Eng. WRK Fonseka

Representing Associate Members:

1. Eng. WADCR Wijesinghe
2. Eng. WAKD Ranpathige
3. Eng. ML Wickramasinge
4. Eng. RWK Rajapakshe
5. Eng. Heshan De Silva
6. Eng. Harsha Daraniyagala

## 1. Public Lectures - 02 Nos

**1st Public Lecture** - Conducted on 19th December 2016 on " Why Risk Assessments Fail" - Participants - 38 Nos

**2nd Public Lecture** - Conducted on 20th September 2017 on "Implementation of ISO 50001 in Your Organization"- Participants -23 Nos

## 2. Knowledge Sharing

1. In December "Potential of Development of Fertilizer Industry in Sri Lanka" by Eng. Prof. SAS Perera at the second Committee Meeting
2. In February "New Developments in LPG Business in Sri Lanka " by Eng. Heshan De Silva at the forth Committee Meeting
3. In May "Potential of Expansion in Petroleum Industry in Sri Lanka" by Eng. EM Piyasena and Eng. KGH Kodagoda Sixth Committee Meeting

## 3. Committee Meetings 08 Nos

08 Committee meetings were held.

## 4. Activities to support corporate plan

| No. | Objective Description   | Activities Planned  | Progress  |
|-----|---|---|---|
| 1   | Promoting engineering related scientific and technological researched/studies | Evaluation of new inventions through Sri Lanka Inventors Commission   | Letters prepared and sent for comments of senior members of CPESC |
| 2   | Preparing a knowledge base on disaster mitigation                             | Decided to send a letter to Ministry of Disaster Management regarding activities for preparation of a knowledge base on disaster mitigation | Letters prepared and sent for comments of senior members of CPESC |
| 3   | Providing independent high level input to the infrastructure plans            | Commented on EIA reports published in CEA website ( Decided to send a letter to Central Environmental Authority regarding this)             | Letters prepared and sent for comments of senior members of CPESC |

## TECHNO EXHIBITION :

Planning has already been done for 2 Nos 10ftx10ft stall at TECHNO 2017 and planning activities are in progress.

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



### **Civil Engineering Sectional Committee: 2016 / 2017**

The inaugural meeting of the Civil Engineering Sectional Committee (CESC) for the session 2016/2017 was held on 28th November 2016 at IESL Head Quarters. Chairman of the CESC Eng. Niyas A Samad presided the meeting.

Twenty nine engineers from Fellow, Member and Associate Member categories were present.

Eng. Lalith Pallegama was elected as the Secretary and the following members were selected as committee members for the session 2016/2017

Representing Fellows:

3. Eng. Kirthi Sri Senanayake
4. Eng. Nihal Wijewickrama

Representing Corporate Members:

5. Eng. Champika Ranasinghe
6. Eng. Anura Gamage
7. Eng. K.M.T.B. Ganegoda
8. Eng. H.K.Sooriyaarachichi
9. Eng. Nilan Herath
10. Eng. T.Jayathilake
11. Eng. Harsha Abeykoon

Representing Associate Members:

7. Eng. W. Ihalakumbura
8. Eng. Thusitha Jayasoriya
9. Eng. Faizal Ghany
10. Eng. Ananda Silva
11. Eng. Deepal Sooriyaaraachi

Affiliate Members

1. Eng. Udula Abeywardena

Associates

1. Eng. S. A. Withana

Seven subcommittees were formed as in previous sessions to implement the CESC activities effectively.

#### **Field Trips (SCFT)**

Eng Harshana Bulathsinhala  
Eng. Ananda Silva  
Eng. Shamith Dissanayaka  
Eng. Hudson Silva  
Eng. Dilini Pahalagamage  
Eng. T.W.A.S.L Jayasinghe  
Eng. E.S.Perera.

#### **4.2 Annual Get-together (SCAG)**

Eng. Milinda Madushanka  
Eng. Harsha Abeykoon  
Eng. Anura Gamage  
Eng.W.B.G.Fernando  
Eng. K.P.I.R. Perera  
Eng. Shameera Thilakarathna  
Eng. K.E.S.Perera  
T.W.A.S.L.Jayasinghe

#### **4.3 Public Lectures, Seminars & Workshops (SCPLSW)**

Eng. Harsha Kumar Suriyaarachchi  
Eng. Nilan Herath  
Eng. Dr. Deepal Suriyaarachchi  
Eng. Dulan Chinthaka  
Eng. S. Kandeepan  
Eng. V.K. Sayanthan  
Eng. S.K.Sanjaya.

#### **4.4 TECHNO – Stall (SCTS)**

Eng. J.M.Pradeep Kumara  
Eng. Wijayakeerthi Ihalakumbura  
Eng. Thusitha Jayasooriya  
Eng. S.A. Withana  
Eng. Anjana  
Eng. Charitha Handagala  
Eng. Kokila Arandara

#### **4.5 Building Clinic & Techno Seminar Room (SC BC&TS)**

Eng. Champika Ranasinghe  
Eng. Tharanga Jayathilake  
Eng. Daya Gamage  
Eng. Nelum Senani  
Eng. Kaumadee Amradiwakara  
Eng. Lasitha  
Eng. T.W.A.S.I Jayasinghe.

#### **4.6 Publication and Editorial (SCPE)**

Eng. K.S.Senanayake  
Eng. Nihal Wijewickrama  
Eng. Ananda Silva  
Eng.Kumara  
Eng. Nissanka Wasala Bandara.

#### **4.7 Community Projects (SCCP)**

Eng.Rajkumar  
Eng. K.M.T.B.Ganegoda  
Eng.Champika  
Eng. Dinuka Senanayake  
Eng. Madusanka  
Eng. Kirthi Sri Senanayake.  
Eng. Nissanka Wasalabandra

#### **4.8 Music Engineers (MESC)**

Eng. Ganegoda  
Eng. S.A.Withana  
Eng. Waruna Manamperi  
Eng. Madusanka

#### **Activities:**

Following activities were organized by the CESC with the assistance of relevant sub committees.

#### **Public Lectures, Workshops and Seminars**

CESC has organized two workshops and seven public lectures on a regular monthly basis which were well attended and very much appreciated by the participants. Sub-committee has selected lecture topics on technical and non-technical areas conducted by prominent speakers, based on the public interest.

Details of the public lectures are as follows:

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

1. *“Concrete mix design” delivered by Eng. (Prof) S.M.A.Nanayakkakara, on 25-03-2017 & 1-04-2017*
2. *“Quality Assurance of bored Piles” by Prof. H.S. Thilakasiri & Eng. R.M.Abesinghe on 26-04-2017 & 2-5-2017.*

#### ***Public Lectures:***

1. *“Challenges of Megapolis initiatives” delivered by Eng. Nihal Rupasinghe 18-01-2017*
2. *“Coastline break water design” delivered by Eng. Indra Jayawardena on 26-01-2017*
3. *“Application of Sri Lankan Engineering Human Resources for Development with NO foreign funding” delivered by Vidyajyothi Eng ADS Gunawardena on 14-03-2017*
4. *“Weather and Climate and Natural Hazards in Sri Lanka:Implications for Disaster Risk Management,” delivered by Eng.(Dr.) Lareef Subair on 13-07-2017*
5. *“Weather Forecast for Sustainable Development,” delivered by Mr. Malith Fernando on 8-08-2017*

6. *“Land Acquisition Procedure for National Development,” delivered by Eng. Hudson de Silva on 15-08-2017*
7. *“Geohazards: Geomechanics Implications and Impacts” jointly organized by CESC and SLIACE delivered by Prof. Patrick Selvadurai on 23-08-2017*

#### **Memorial Lectures:**

1. EOE Pereira Memorial Lecture on “Green Entrepreneurship A promising path towards a sustainable future” delivered by Eng.(Prof.) Ranjith Dissanayake on 13th September 2017.
2. Dr. A.N.S. Kulasinghe Memorial Lecture delivered by Mr. Thilan Wijesinghe on 26th October 2017.

#### **Field Visits:**

CESC organized a field visit to meteorological department and a lecture on meteorological data, analysis & prediction.

#### **Building Clinic:**

The “Building Clinic” is a concept initiated and developed by the Civil Engineering Sectional Committee of IESL to offer professional advice free of charge to the needy people having no access to proper technical advice, information or knowledge for building their homes. Building Clinics are held regularly during all three days of the Techno exhibition.

Recognizing the desperate need to bridge the vast information gap existing between the construction industry and individual home builders, CESC, IESL in collaboration with UltraTech Cement Lanka (Pvt) Limited has embarked on a program to take the Building Clinic to the doorstep of the people across the island. As its “exclusive partner” for the Building Clinics. As per the memorandum of understanding signed between the two parties which has no commercial binding, IESL provides the panel of professionals and technical information, whereas UltraTech, as the “exclusive partner”, provides logistic support, including the venue and ensures media campaign to generate awareness of this program. After successfully conducting three such Building Clinics during the previous session, one more clinic was held at Biyagama in August 2017. On this clinic IESL President Eng. Jayavilal Meegoda and President Elect Eng. [Prof.] Niranjani Ratnayake were participated and delivered professional advice to the public.

#### **TECHNO Seminar :**

With the objective to create awareness on engineering related issues and impart knowledge to the general public, CESC organized the Techno Seminar for the sixth time. Lectures were conducted by the experts for various fields during the three days of Techno 2016. Mainly the resource persons from Civil, Electrical, Mechanical, Chemical, and Agricultural disciplines will deliver a series of lectures on current topics during the seminar.

## **IESL Avurudu Festival 2017**

CESC took the leading role in organizing the “IESL Avurudu Festival 2017” on behalf of IESL as organized in the previous three years. This event was successfully held at Women’s International Club, Colombo 7 on 17-04-2017 with the participation of large number of members and their spouses and kids. They had the opportunity to take part in Avurudu games to win valuable prizes. The day was full of happiness and enjoyment for all participants.

## **Annual Get-together 2017 for Civil Engineers**

CESC organized the annual get-together of civil engineers and their families this year in Eastern Europe visiting seven countries namely Austria, Slovenia, Croatia, Hungary, Slovakia, Czech Republic and Germany in eleven days from 08th to 19th September 2017. 91 participants attended the event and tour.

(Reported by Eng. M N A Samad, Chairman, Civil Engineering Sectional Committee)

## **Electrical and Electronic Engineering Sectional Committee : 2016/2017**

The Electrical and Electronic Engineering Sectional Committee chaired by Eng WWMBSKG Kamburadeniya, supported the Council through successfully engaging in several special assignments apart from its regular events. Details of the activities conducted by the EEESC are as follows.

### **1.0 The inaugural meeting and Electrical and Electronic Engineering Sectional Committee for the year 2016/2017**

The inaugural meeting of the Electrical and Electronic Engineering Sectional Committee was held on 08th November 2017 at 5.15 p.m at the Institution, under the chairmanship of Eng. Kosala Kamburadeniya. Eng. LRJ De Silva was selected as the secretary for the session unanimously and subsequently other committee members were selected from the participated engineers. Following subcommittees were appointed for the session.

- a. Subcommittee for Memorial Lectures
- b. Subcommittee for Techno 2017
- 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 Electrical engineering conference
- j. Subcommittee for Preparation of Electricians’ Manual
- k. Subcommittee for Electrical and Electronics CPD courses.

2.0 Activities Conducted by the Electrical and Electronic Engineering Sectional Committee (EEESC) for the session 2016/2017.

Following activities were conducted by the EEESC.

- a. EEESC meetings and subcommittee meetings. Altogether 12 monthly meetings and 3 subcommittee meetings were held.
- b. Memorial Lectures. Following memorial Lectures were organized by the EEESC.
  - i. Eng. (Prof) RH Paul Memorial Lecture. 36th Memorial oration of late Eng. (Prof) RH Paul was held on 09th February 2017 at 17:15 hrs at Eng. DJ Wimalasurendra Auditorium of IESL Head office (In memory of 113rd Birthday). Eng. (Dr) KM Liyanage of University of Peradeniya delivered the lecture on the topic 'Enabling Power Systems of the future'. A news article about Prof RH Paul was published in the daily 'Island' newspaper on the day and a note booklet was distributed among the participants in memory of Eng. (Prof) RH Paul.
  - ii. Eng. DJ Wimalasurendra Memorial Lecture. 28th Memorial oration of late Eng. DJ Wimalasurendra was held on 18th September 2017 (In memory of 143rd Birthday on 17th September 2017) at 17:15 hrs at Eng. DJ Wimalasurendra Auditorium of IESL Head office. On behalf of the guest lecturer Eng. AK Samarasinghe, General Manager Ceylon Electricity Board, Eng GA Jayantha Additional General Manager delivered the lecture on the topic of '**Maintenance & Management of Hydro Power Assets**'.



- 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. 19th January 2017. Eng Shanthilal Nanayakkara on 'Digital Audio Transmission'.
  - ii. 21st February 2017. Eng. (Dr) Asanka Rodrigo on 'Earthing/Grounding facts and Myths'.
  - iii. 23rd March 2017. Eng. Deeptha Appuhamy on 'Effective Maintenance of Hybrid Vehicles'.
  - iv. 04th April 2017. Short seminar on IPTV by Eng. Sampath Kumara.
  - v. 27th April 2017. Eng (Dr) Nshad Mendis on 'Role of energy storage forming future grid'.

- vi. 31st May 2017. Eng (Dr) Lal Jayamaha on 'Green Building Rating Tools and Benefits'.
  - vii. 27th June 2017. Eng. Lalith Kahatapitiya on 'When you learn the art, it's just fun to convert your dreams in to realities'.
  - viii. 08th August 2017. Short Seminar on 'Benefits on adoption of IEC 60364 series as Sri Lankan standard' by Eng. T Uthayakumar.
  - ix. 14 September 2017. Eng T Uthayakumar on 'Quality engineering for the enhancement of quality of the life'.
- d. Field Visits. Following field visits were organized by EEESC.
- i. Sapugaskanda Oil Refinery. 36 engineers participated in the half day field visit on Tuesday 14th March 2017. A Nominal fee, of Rs 150.00 was charged from the registered engineers and monthly committee meeting was also held at the location. Refreshments were sponsored by the management of oil refinery and a social gathering was held after the event at the sports pavilion.
  - ii. Uma Oya Multipurpose Development Project. 51 engineers participated in the full day field visit on Saturday 19th August 2017. A Nominal fee, of Rs 1000.00 was charged from a participant and there was a huge demand from the membership where more than 100 engineers were in the waiting list. Number of participants was limited by the project management due to the restrictions at the site. The participants could visit the underground power station, Head raise tunnel and concrete slab manufacturing factory at Wellawaya. Breakfast, Lunch and Refreshments were provided by the Organizers. The journey was started at 05:00 hrs and finished by 01:30 hrs on following day. It was not possible to visit Dams at Puhulpola and Diaramba due to time restrictions.
  - iii. World Trade Centre Twin Towers at Colombo Fort. 10 Electrical engineers participated in this field visit from the EEESC on 20 September 2017 in order to get information on building Management system of a high rise building. The details are important for the subcommittee for Preparation of data-base for commercial high rise buildings. The participants could visit chiller, Transformer, BMS operations and what are the improvements made to save energy after the initial installation.
- e. CPD Courses. EEESC has organized following CPD courses.
- i. Industrial Automation – Successfully conducted in 9 consecutive Sundays from 12 February 2017 to 19 April 2017. There was a positive response from the participants and course duration was extended.
  - ii. Lightning Protection - Successfully conducted in 3 consecutive Saturdays from 17 June 2017 to 01 July 2017. The response from the participants was very good.
  - iii. Lighting Design – Will be started in near future.
- f. Foreign Tour. EEESC has organized a foreign tour to Bali Indonesia for three nights/ four days. Initial planned dates (2nd to 5th September 2017) had to be changed due to unavoidable circumstances. Dates are Re-scheduled to have the tour in mid November.

- g. Social events. EEESC has participated in following social events organized by the IESL.
  - i. IESL Annual Cricket Fiesta: EEESC actively participated in the annual cricket fiesta forming the team 'Surge Creators'.
  - ii. New Year Celebrations 2017
  - iii. Engineers' Night 2017

### 3.0 National level Achievements by EEESC

Followings are achieved in the national level in the field of electrical engineering.

- a. Introduction of single standard for the plugs and sockets in Sri Lanka. This exercise was initiated by the subcommittee of EEESC two years back and became a reality in this year. Public Utilities Commission SL and Consumers Affairs Authority have taken actions to enforce a law to prohibit importation of nonstandard plugs and sockets. Only Type G (13A square pin) plugs and sockets are authorized for any electrical equipment and house hold electrical installations.
- b. Preparation of Electrician's manual. It is a requirement in the country to have a standard manual for the practicing electricians in Sri Lanka. This is also initiated by a subcommittee of EEESC and draft document has been completed. Final document would be completed in due course and will be forwarded for the approval.

(Reported by Eng. Kosala Kamburadeniya, Chairman)

### **IT & Communications Engineering Sectional Committee : 2016 / 2017**

The sectional committee monthly meetings were held at the IESL Secretariat on following dates as per an annual schedule: 15 November 2016, 05 December 2016, 09 January 2017, 13 February 2017, 13 March 2017, 03 April 2017, 08 May 2017, 12 June 2017, 10 July 2017, 14 August 2017, and 11 September 2017.

The sectional committee elected following main committee members for the key activities for IESL Council Session 2016/2017: Eng Dr. Chandana Gamage (Chairman), Eng Dileepa Lathsara (Secretary), Eng Saman Samarakoon, Eng Samudaya Nanayakkara, Eng Jeewapadma Sandagomi, Eng Dr. Shantha Fernando, Eng Dilan Anuruddha, Eng Kushan Sharma (Subcommittee chairman for provincial seminar series), Eng Harshana Porawagama, Eng Kasun Chathuranga (Subcommittee chairman for online media presence), Eng Nalinda Herath, Eng Viraj Premarathne, Eng Ahamed Afham (Subcommittee chairman for CPD program development), Eng Mohamed Musthalie (Subcommittee chairman for membership drives), Eng Achini S Randeniya (Subcommittee chairperson for IDEA Challenge competition), Eng Chakshika Amarawardhana, Eng Ayodhya Liyanagedara, Eng Vidula Hasaranga (Subcommittee chairman for Robo Games competition), and Eng Nalin Karunasinghe (Chief technical advisor for Robo Games competition).



The sectional committee continued with several activities to fulfill its main responsibility of popularizing computer engineering and IT in Sri Lanka using popular competitions as leverage.

## **IDEA CHALLENGE**

The “IDEA Challenge” smartphone App development competition in 2017 is based on the theme of “Disaster Relief, Recovery and Restoration” for undergraduate category and is conducted in collaboration with the community group “Reforest Sri Lanka”. The school category competition is similarly themed on apps for “Social Connectivity”. This competition includes a complete online training program to allow students to learn about app development and related technologies. The competition organized in collaboration with the students of the “Integrated Computer Engineering” stream of the University of Moratuwa and they maintain a web site <http://idea.cse.mrt.ac.lk/>.



## **ROBO GAMES**

The “Robo Games” robot building competition in 2017 that include programming for autonomous operation is based on the theme of an equipment and material handling robot at a construction site. This competition, which is open for school and undergraduate students, also include several training workshops for school children to popularize robotics and computer engineering among young students. The competition organized in collaboration with the students of the “Integrated Computer Engineering” stream of the University of Moratuwa and they maintain a web site <http://robo.cse.mrt.ac.lk/>.



## **SRI LANKA IOT CHALLENGE**

The “Sri Lanka IoT Challenge” is a new national level engineering innovation competition created by the sectional committee in 2017. This competition, which has an open category and also for undergraduate students has Sri Lanka Telecom as the principal sponsor. The main objective of the competition is to make the key technology growth area of Internet of Things (IoT) and embedded computing popularized among the technologically oriented Sri Lankans. It is expected to create a cascading effect of innovation and entrepreneurship utilizing these emerging technologies. The competition organized in collaboration with the students of the “Integrated Computer Engineering” stream of the University of Moratuwa and they maintain a web site <http://sliot.cse.mrt.ac.lk/>.

## **DIRECTORY OF CONSULTANT ENGINEERS FOR IT SYSTEMS**

As one of the key achievements of the sectional committee, a framework for recognizing senior consultant engineers in the field of IT and computer engineering domain was developed through a “Directory of Consultant Engineers for IT Systems”.

## **MEMBERSHIP DRIVES**

The sectional committee conducted Membership drives to enroll new Associate Members to the IESL and also to encourage engineers to obtain the Chartered Engineer status. Furthermore, the membership drives gave an opportunity for practicing engineers to obtain at first hand details on how they could be more actively engaged with IESL and contribute to its many activities including policy formulation and influencing government regulation making processes. Main membership drives were held at CakeLabs in Colombo on 14th September 2016, Millennium IT in Colombo on 17 February 2016, and Mobitel in Colombo on 22 June 2017.

The sectional committee also assisted the associate members to prepare for obtaining the Chartered Engineer status and promoted senior engineers in the industry to obtain CEng through the 20-years special path.



## **PROVINCIAL SEMINAR SERIES**

The sectional committee continued with its seminar series and CPD programs for provincial centers during the year. These events allowed sectional committee members to have a greater interaction with engineers performing their duties in different districts and also with undergraduates from many of the engineering faculties spread throughout Sri Lanka. Seminars and workshops were held at

Faculty of Engineering, South Eastern University of Sri Lanka in (Oluvil) on 29 April 2017, and Faculty of Engineering, University of Jaffna in Killinochchi on 8 July 2017. These activities were sponsored by TechCERT and LK Domain Registry.

The sectional committee also made preparations for a 2-day CPD course on “Advanced Excel” that is relevant for engineers. The intention is to introduce the advanced computational, analytical and data manipulation techniques available with the widely used spreadsheet software package.

## **PROFESSIONAL DEVELOPMENT**

A subcommittee worked on preparing a report on “Qualification Criteria for Applying for Associate Membership” for engineering practitioners in the IT, Communication and Computer Engineering disciplines. This work was undertaken to facilitate professionals in the IT industry with engineer designation but not having a 4-year engineering degree acceptable to the IESL for Associate Membership to upgrade their qualifications.

A subcommittee also worked on preparing a report on guidelines for evaluating “Recognized Training Places for Engineers” in the IT, Communication and Computer Engineering disciplines. The initial recommendations of the subcommittee included considering Systems & Hardware Engineering, Software Engineering, Network Engineering, and Communication Engineering as major subareas of practice.

## **TECHNO EXHIBITION 2016 ACHIEVEMENTS**

The sectional committee had major success at the Techno Exhibition 2016 winning the Silver Award as the First Runner-up in Best Sectional Committee Stall. The sectional committee organized the Robo Games game arena, IDEA Challenge finalists display, and a Virtual Reality Experience Centre in partnership with LiveRoom and EWIS, two Sri Lankan companies with locally developed technologies and products.



## ONLINE ACTIVITIES AND PROMOTIONS

The sectional committee continued to maintain its high profile online presence with the popular Facebook page of the committee now exceeding 5,730 followers.

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

### **Mechanical Engineering Sectional Committee (MESC) : 2016/2017**

*(Prepared and Submitted jointly by the Project Leaders, the Secretary, and the Chairman)*



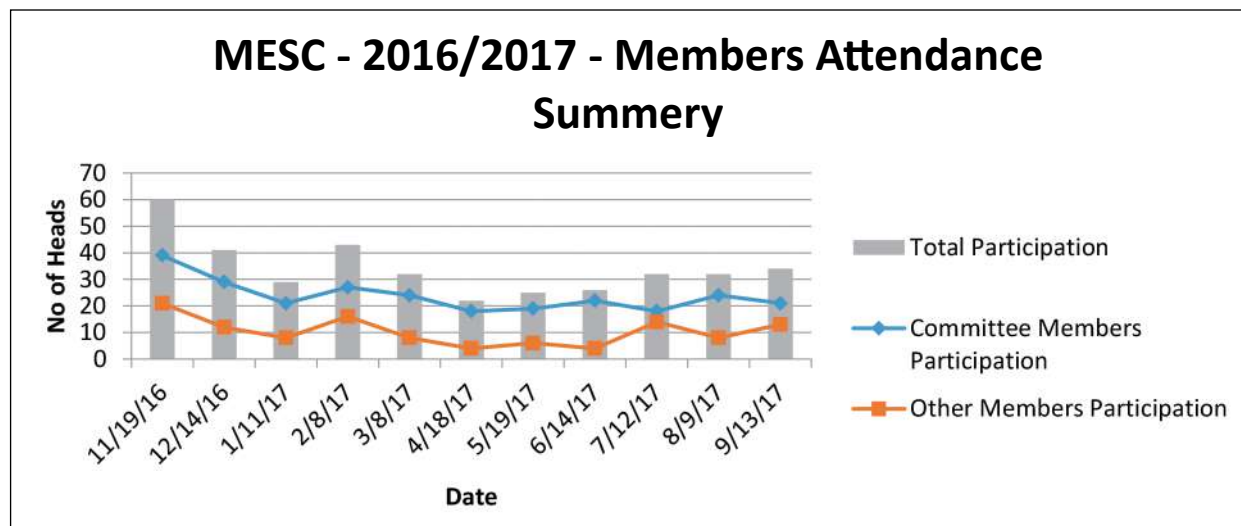
Our Gratitude: MESC appreciates the contributions by all the committee members, other volunteers, our partners – including state universities, IESL Provincial Chapters, IESL Secretariat; especially ES/ CEO, Ms. Ramani, Ms. Sanduni, Mr. Tudor, Mr. Asanka, Ms Avril, IT Team (Mr Chamara and Mr Kalana), canteen crew, Digital SLEN Team, Techno 2017 Team, Council, and President.

Committee Composition: The inaugural meeting of the Mechanical Engineering Sectional Committee (MESC) for the session 2016/2017 was on the 9th of November, 2016. It was chaired by Eng. Arjuna Manamperi for the third consecutive year with the fullest support of the former committee members and other MESC activists. Forty two (42) members volunteered to assist the Chair during the new session. However, during the session, due to various personal circumstances some of them were not able to attend regular monthly committee meetings (held on every second Wednesday unless notified). MESC expects 70% or better attendance record during the session to be considered as a committee member. Thus the list below shows the MESC Committee based on attendance up-to the month of August (10 meetings) .

|     |                        |              |
|-----|------------------------|--------------|
| Eng | Arjuna Manamperi       | F (Chairman) |
| Eng | L Parakrama Jayasinghe | F            |
| Eng | B H T Kulasekara       | F            |
| Eng | S D G R Sandanayake    | M            |
| Eng | T S Godakumbura        | M            |
| Eng | (Ms) I Ehelepola       | M            |

|     |                                |                |
|-----|--------------------------------|----------------|
| Eng | (Ms) K P Ayomi N. Karunanayake | AM             |
| Eng | Kamal D Wimalaratne            | AM             |
| Eng | R K A G Rathnayaka             | AM (Secretary) |
| Eng | (Ms) G A C Chithrangani        | AM             |
| Eng | G.H. Janaka Chaminda           | AM             |
| Eng | R W D T Dayabandara            | AM             |
| Eng | R A Kariyawasam                | AM             |
| Eng | R M N K Dharmasena             | AM             |
| Eng | Asitha Jayarathna              | AM             |
| Eng | K.A.L Kollure                  | AM             |
| Eng | (Lt Cdr) E M B P Ekanayake     | AM             |
| Eng | K C Kumbukage                  | AM             |
| Eng | S K Kodithuwakku               | AM             |
| Eng | A A D R Abeysundara            | AM             |
| Eng | E M J R Gnanasiri              | AM             |

Attendance of the committee members (average 24) and others (average 10) were satisfactory in the monthly committee meetings. Most meetings we had above 30 attendees.



Chair updated the house at the beginning of each meeting about special initiatives taking place within IESL as these activities primarily constitute to make a responsible Engineer for the society.

The **‘Happy Hour’** that was introduced last year continued, where the participants of the monthly committee meeting stayed after the meeting for a chat with snacks and drinks at IESL Members’ Lounge to discuss current issues at length. This paved the path for networking among members. We will not be doing justice if we don’t mention **Eng. Kamal D Wimalaratne’s** special efforts to make those evenings a success.



**Promoting MESC:** This session too, MESC decided to continue its activities along its **TIE (Transport – Innovation - Energy) theme** of the previous session which is of utmost relevance to Mechanical Engineering and Sri Lanka. Leaders were nominated to activities under each theme while participants volunteered to make up teams under them. MESC recognized the responsibility it had towards the general public of Sri Lanka. Thus, a flair for stretching the boundaries of IESL and going into the public was blended in every committee activity making the general public of Sri Lanka the final prime beneficiary of all the projects planned by MESC during this session.

The committee utilized social media tools such as WhatsApp and Twitter extensively for distant collaboration and team work. It also fully utilized IESL membership management system features such as the Forum, News, etc. setup in its dedicated web page: <http://www.iesl.lk/page-1579097?> Every month, meeting invitation as a system event (mandatory to register) went to all the Mechanical engineers, Agricultural engineers, Marine engineers, and Textile engineers via the system giving agenda, past meeting minute link, special messages etc.; a group of about 2,200 members.

All in all, the session 2016/2017 has been an inspiring one with the blend of ideas from young and senior members alike. Leadership roles were competitively given to young and new members creating an arena for discovering potential, investing in future leadership and personality development in members while serving the Mechanical Engineering community and the society.

#### **CSR PROJECTS:**

- **Engineers for Sustainable Development** was a series of public lectures (4 – listed under the Public Lecture section) to bring the importance of **UN's 17 SDGs** and the importance of Environmental Impact Assessment (**EIA**) when considering any engineering development project.
- **Energy Booklet.** Extending last sessions CSR initiative to conduct a series of Energy related awareness lectures, we undertook to transcribe all those lectures and a few more this year to create a booklet to be given to the public at a reasonable Price.
- **Innovation incubation** programme is being devised under the Innovations & Entrepreneurship theme while some of the public lectures conducted were and most of the activities planned for Techno 2017 are done under the innovation theme.
- **Paddy Dryer** for the small scale farmers is on its Phase II from its beginning in the last session. Many improvements were done to bring it to much more efficient and producible device and will be showcased at the Techno 2017. The testing had been done at the Open University. We are very appreciative of the F&P and The Council decision to allocate special budget for the project Rs 120,000/- Especially thankful to our President Eng. Jayavilal Meegoda for his understanding and support.

#### **CPD COURSE FOR MECHANICAL ENGINEERING DESIGN**

The CPD course commenced in 2015 had to yield two aspects. One aspect was to develop the culture of problem solving in a systematic design process. The other was to encourage to do an engineering design as a fulfillment of the professional review process to become a Chartered Engineer in the discipline of mechanical engineering.

In collaboration with the CPD Committee and the IESL Secretariat Education Department, we successfully completed the second successive round. The summary details are below. The launch of

the third round was held up to fully revamp the content, and especially the delivery which we want now to be fully managed by the Secretariat. Our committee member who fully dedicated his time to coordinate last two rounds, Eng. Piyasiri Kalubowila will play an overseen role rather than a full time role. We also selected a senior engineer to do some of the coordination. All plans were finalized with the CPD/Secretariat Team to launch this highly popular CPD course for a third time in the fourth quarter of 2017.

With the experience gained in conducting the course for two years in the years 2015 and 2016, few modifications on the scheme of assessment have been included in the programme in 2017. This new approach will make it easy for the participant get the expected end-results almost by the last day of the course. On the other hand, resource persons are too under commitment to conduct the course in an intensive event calendar.

Following table shows the summary of the program.

| <b>Status report as of 22nd August 2017</b>                  | <b>2015</b> | <b>2016</b> | <b>Remarks</b>             |
|--|-------------|-------------|----------------------------|
| Total Applicants we entertained                              | 67          | 51          |                            |
| Total paid in full   | 2,611,000/- | 2,015,000/- | Approximate value          |
| Total with balance due                                       | 0           | 0           |                            |
| Total who completed the courses with project proposals       | 58          | 51          |                            |
| Total who submitted the design report for evaluation         | 20          | 20          |                            |
| Total passed the project and received full pass certificates | 14          | 17          |                            |
| Total pending project evaluations                            | 0           | 0           |                            |
| Total asked to resubmit                                      | 6           | 3           |                            |
| Total actually obtained the charter as a result              | 6 / 2       | 3 / 2       | Charter obtained / pending |

Project Team: Eng. Piyasiri Kalubowila has been our untiring, utterly dedicated Course Coordinator for the last two years. Senior engineers Dr. Gamini Kulatunga, Jayantha Munasinghe, Nihal Cooray, Gamini de Alwis and Parakrama Jayasinghe must specially be thanked for their dedicated service during the course along with all those senior engineers who gave their time to conduct lectures, be mentors, and review panelists.

## **INDUSTRIAL VISITS**

Each visit was limited to participants and part of visits' expenses were collected from the participants ( Rs 250 / person / visit). Many of the visits were oversubscribed. Each visit report with details is posted in MESC web page in IESL membership management system, under News section ( <http://www.iesl.lk/page-1579097?> ). They were also published in digital SLEN.

**MESC Coordinator- Industrial Visits: Eng. Kamal D Wimalaratne.** MESC deeply appreciate his methodical execution of the task.

1. Thermo Plastics (Pvt) Ltd., Homagama / 26.01.2017 / 18 Engineers
2. Ceylon Steel Corporation, Oruwala / 14.02.2017 / 38 Engineers
3. Alumex Plc, Sapugaskanda / 18.03.2017 / 17 Engineers
4. National Engineering Research and Development Centre (NERDC), Ekala / 23.03.2017 / 22 Engineers
5. North Manufacturing (Pvt) Ltd., Biyagama / 22.06.2017 / 22 Engineers
6. Rocell Bathware Ltd. Panagoda / TBD / End September 2017
7. MESC Committee Annual Trip / TBD / October 2017

## TECHNO 2017 – MESC – PROJECT SUMMARY

MESC won the Bronze award in 2015 and 2016. This time too MESC's contributions to Techno 2017 will be remarkable. Following is the program finalized as of September.

Our focus at the Techno Sri Lanka 2017 will be on the theme "Empowering Innovation" and the tagline Smart, Inventive, and Disruptive Technologies for Sustainable Development. We hope to mesmerize the visitors with a few of the newest, smartest technologies available in the world.

- **3D Printing** - Demonstrate one of the top ten disruptive technologies available for building prototypes, with additive manufacturing technology, which has revolutionized the innovations space as well as the manufacturing industry.
- **Mind Game** - Can you control your mind? A game for the stall visitors to see their capability of controlling their minds. This would showcase IoT ( intent of things) based modern technological advancements to sense human brain.
- **MESC CSR project** - Modified version of the simple Paddy Dryer built in 2016. MESC continued to develop our CSR project last year; the simple paddy dryer for domestic use. Developed version of the paddy dryer will be exhibited.
- **Public Lectures** - Three public lectures will be arranged for the public
  - Manage your garbage
  - Six Sigma
  - Boiler Maintenance
- **MECH CLINIC:** For the second consecutive year, Mechanical Engineering Clinic will be held to share expert knowledge as well as to provide solutions for the problems of small scale industries/ general public in three different areas of mechanical engineering.
  - Welding
  - Corrosion Prevention
  - Car Maintenance

## MESC Techno Core Project Team

Eng. Mahesh Dharmasena ( Project Team Leader), Eng. Thimira S. Godakumbura, Eng. Chatura Mirihagalla, Eng. Ravin Kariyawasam, Eng. Gayanath Rathnayake, Eng. Assela Pathirathne, Eng. Ositha Ilanganthilaka, Eng. Kamal D Wimalaratne , Eng. Kushan Meepawela , Eng. Kaanchana Wickramtunga, Eng. Asitha Jayaratne , Eng. Damith Senadheera , Eng. K C Kumbukage, Eng. Lochana Kollure



**MESC PUBLIC LECTURES** (all, including jointly held and to be held – date, Lecture title, lecturer, number of participants, IESL Youtube Link)



**23/11/2016 - Energy Security, Sustainable Development and Green Accounting**

Dr. Athula Senaratne, PhD, MPhil. (Agricultural Economics), BSc. (Agriculture), Research Fellow and Head of the Environmental Economics Policy Unit of the Institute of Policy Studies (IPS),  
46

<https://www.youtube.com/watch?v=AWSbQoqDsKs>

**29/12/2016 - SMART Maintenance through Statistical Data Analysis**

Eng. S.M. Sisira Kantha, CEng, MIESL, CP Eng, MIEAust, Integrity Planning and Scheduling Engineer at BPK refinery

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<https://www.youtube.com/watch?v=IMq1IeuseCw>

**11/01/2017 - Practical use of Finite Element Method**

Eng. Priyantha Sriwardene, PSE, MBA. Specialist in Finite Element Studies at the Advanced Technology Division of Camso, Canada

41

<https://www.youtube.com/watch?v=qVFM8MDqjWE>

**20/02/2017 - Engineers for Sustainable Development (Lecture 1): Sustainable Development Goals**

Eng. Gamini Senanayake, BSc Eng, MBA, Energy Management Specialist

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<https://youtu.be/z9rG387RxCc>

**22/02/2017 - RTI Act - Engineers' Rights & Responsibilities**

Mr. Aingkaran Kugathasan, Attorney-at-Law

60

<https://youtu.be/l8PaI0LWGFE>

**02/03/2017 - Mannar Wind Power and Avian Issues**

Mr. Mayura Botejue, CEng, MIMechE, MIET, Consultant, Wind Power & Renewable Energy

75

<https://youtu.be/AWqpibAtIJ0>

**06/03/2017- Decision-Making: Perils & Remedies**

Dr. Errol Wirasinghe , An internationally recognized expert on Decision Making.

70

<https://youtu.be/Sh0hLpoABkY>

**20/03/2017 - Engineers for Sustainable Development (Lecture 2): Prevailing Policies, Laws and Regulations on Environmental protection**

Ms. Wardani Karunaratne, LLB, Attorney-at- Law, lecturer & Consultant on environmental law and policy

Mr. Ruwan Pathirana, LLB, Attorney-at- Law, Deputy Director - Legal , CEA

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<https://youtu.be/qtz6-NiYaho>

**27/03/2017 - Introduction to LNG re-gasification in introducing natural gas to Sri Lanka's energy mix**

Mr Marijan Samardzic from DNV-GL

Mr Nalin Gunasekera, Independent Engery Consultant

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[https://youtu.be/P3gzT\\_m6gJs](https://youtu.be/P3gzT_m6gJs)

**05/04/2017 - The national issue and the Engineer's duty**

Mr. Victor Ivan, journalist and the former editor of Ravaya

104

<https://youtu.be/5ckfBxetDvk>

<https://youtu.be/0auolsO5GPc>

**21/04/2017 - Engineers for Sustainable Development (Lecture 3): EIA, IEE process for project approvals and post monitoring**

Mrs Kanthi de Silva, Deputy Director General of CEA

63

[https://youtu.be/\\_1P5tfftgeU](https://youtu.be/_1P5tfftgeU)

**26/07/2017 - Navigating the Rapidly Changing Education Landscape**

Prof. Sanjaya Senadheera, Ph.D., MIE(SL), Associate Professor of Civil, Environmental & Construction Engineering, Texas Tech University, Texas, USA

40

<https://www.youtube.com/watch?v=3w6mNsz2RVM>

**07/2017 - Engineers for Sustainable Development (Lecture 4): EIA- Southern Highway**

Mr. K. G. S. Jayawardana, Ph.D., CEng., MIE(SL), Acting Director, Central Environmental Authority

34

<https://www.youtube.com/watch?v=ON3EpmvIK8o>

**31/07/2017 - Insight to Unspoken Rule of Lean Manufacturing**

Mr. Wimalarathna Atapattu, General Manager- Lean Systems

MAS Kreed (Pvt) Ltd

36

<https://www.youtube.com/watch?v=cCzGVNyJzfo>

**05/08/2017 - Technology Game Changer: 24/7 Low Cost Electricity from Solar Energy**

Mr. Bruce N. Anderson, Co-founder, CEO of 247SOLAR, Member of the Board of Trustees at MIT Corporation (MIT, USA)

90

<https://www.youtube.com/watch?v=s8YNDQ9E6hl>

**08/09/2017 - Transport Strategy for Colombo: Bus Priority Lanes-Sustainable Start**

Prof. Amal S. Kumarage, Chairman at Chartered Institute of Logistics & Transport Sri Lanka

145

<https://youtu.be/m9cpwjS1trs>

**13/09/2017 - High Value Trade Mark Earns High Revenue**

Ms. Geenthajali Rupika Ranawaka, Director General of National Intellectual Property Office (NIPO)

30

<https://youtu.be/W-QEo63q2BU?list=PLfBsyQuofClyxfFWQLeNqpyCCJtPvauoJ>

**28/09/2017 - The Foundation of Vaastu Shastra and its' Correlation to Modern Science**

Eng. Susantha Uduweriya, BSC Eng, MSc, CEng., MIE(SL), Director/ Principal Structural Engineer, DCC Engineering (Pvt) Ltd

**Public Lecture Series Project Members:**

Eng. Dinesh Abeysekera (Leader), Eng. Kumud Herath, Eng. Tharaka Dayabandara, Eng. Ravin Kariyawasam, Eng. Mahesh Dharmasena, Eng. Asitha Jayaratne, Eng. Damith Senadheera



## **ENERGY + INNOVATION THEME – CSR PROJECT – PADDY DRYER**

During the session 2015/2016 a simple paddy dryer was designed and the prototype was tested at the Post Harvest Technology research Centre in Anuradhapura, with the corporation extended by the University of Rajarata. The prototype was also exhibited in the Mechanical Engineering Sectional Committee stall at the Techno 2016.

The most encouraging results observed during the trials at the PHTR center as well as the comments received from the many visitors to our stall prompted us to re-evaluate the potential of this design and the need for further desirable improvements and modifications. It was evident that the utility of the unit could be far more than the original purpose of providing a means of drying the paddy after harvesting, in order that the parameters set by the Paddy Marketing Board or other buyers could be met by the farmers.

The unqualified success of the prototype in meeting the desired performance characteristics, exceeding what the team dared to expect, has thrown open fresh challenges. It is with a sense of Serendipity that we realized that we have hit upon a unit which could have a much greater impact than as a mere dryer of paddy at harvest time to help the rural farmer.

During the discussions with the Director and Staff at PHRI, it transpired that even the current size of the unit could serve as companion dryer for the 35 kg parboiling unit developed by the PHRI, which has received ready acceptance with more than 50,000 units sold already. This option immediately solved a problem that was nagging us through out. As the dryer was designed to dry the raw paddy at harvest time it would have usage only twice a year, with no productive usage and possible deterioration in the interim period. The above match solved this problem splendidly and the necessary modifications required are being discussed.

Therefore, the available model was modified to overcome some of the practical problems observed during the trials and also to incorporate finer operational features such as better control of the water temperature, removal of obstructions to the unloading of the dried paddy and the slight increase in capacity from the original 25 kg per batch to 35 kg per batch to meet the capacity of the parboiling unit designed and promoted by the PHRI.

The need for more extensive testing was paramount and was overcome by the assistance of the Open University of Sri Lanka which assigned the space for erecting the dryer and a graduate student to perform the trials. These trials are presently under way with drying of the parboiled paddy which are quite encouraging. For this purpose a unit manufactured by one of the licensees of the PHRI has been bought. The new trials on the harvested paddy would commence once the Yala Harvest is ready.

It is proposed to prepare a full set of fabrication drawings with the modifications on the original design and the new features being added as well as with a view to bring down the cost of manufacture to a level affordable by a paddy farmer. More importantly these would reflect the need for adequate detail and specifications to enable even a rural workshop to turn out the units. It is also proposed to manufacture a scale model of the final design for live demonstration at Techno 2017, along with the main modified unit displayed with the trial data collected.

## **Paddy Dryer Team**

Eng. Parakrama Jayasinghe (Team Leader), Eng. Loshan Palyangoda ( Principal Designer of the Paddy Dryer), Eng. Kushan Meepawela, Eng. Kumud Herath, Eng. Mahesh Dharmasena, Eng. Janak Chaminda, Dr. Gamini Kulatunga, Eng. Keerthi Dharmasiri, **Mr. Arun ( Open University Student who did all the testing)**

## **A Compendium on Energy Issues in Sri Lanka – Publication of Transcripts of MESC Energy Lecture Series**

As you are aware the Mechanical Engineering Sectional Committee conducted a series of lectures on the different aspects of energy during the 2016 session. Since the presentations made by the several sector experts is a valuable source of reference both for engineers and the general public, arrangements have been made to publish the transcripts of these lectures in book form.

### **Transcripts of Presentation:**

1. “An Overview of Sri Lanka’s Energy Demand- Present and Projected Future” by Eng. Harsha Wickremasinghe
2. “The Energy Resources of Sri Lanka – The traditional and potential of new sources” by Dr Thusitha Sugathapala
3. “The Electricity Sector – A vision for the future 100% RE by 2030” by Eng Ashoka Abeygunewardene
4. “The Potential for Energy Conservation and Increased Energy Efficiency” by Eng. M M Ranjith Padmasiri
5. “Energy Needs and Options for the Domestic Sector” by Dr Gamini Kulatunga
6. "Energy and Agriculture – The Synergy" by Dr Lionel Weerakoon
7. “Energy Security, Sustainable Development and Green Accounting” by Dr Athula Senarathne
8. Transcript of NREL webinar on Big, Fast and Flexible: Grid Operations for Efficient Variable Renewable Integration

### **Project Team:**

Eng. Parakrama L Jayasinghe ( Project Leader and Editor), Eng. (Ms) Ayomi Karunanayake, Eng. (Ms) Isanka Ellepola, Eng. Ravini Karunarathne, Eng. Apsara Katugaha, Eng. Ushani Epa, Mr. Keshan Samarasinghe (IESL Student Member), Mr. Himesh Siriwardana (IESL Student Member), Ms. Mayanthi Director, Geotech ( Pvt) Ltd, Archt Nandaka Jayasinghe

## **CHARTER PROFESSIONAL REVIEW PREPARATION CLASS FOR SRI LANKA RAILWAY ENGINEERS**

An initiative by Eng. Asela Pathirathne, about 30 engineers of all categories and disciplines participated in this long session which culminated with a fellowship session. We are grateful to the resource person Eng. (Dr.) Palitha Bandara, FIE(SL)

## MESC DESIGN INCUBATOR PROJECT

Working with the DG – NIPO, MESC has laid the ground work to setup a patent search office at the IESL premises. The work on this will begin in 2017/2018 session.

**Eng. R W D Tharaka Dayabandara** (Project Leader)



On a pilot basis, working with Sri Lanka branch of the IMechE (UK), a team of Mechanical engineers visited a SME designing and building special machinery required in gem mining in Ratnapura area. The purpose of the pilot was to provide assistance to SMEs in any possible way. **Eng. Thirakaran Mahalingum** (Project Leader)

## IESL DEBATE PILOT

MESC Team participated in a first of its kind with the CESC team. The plan is to run a full debating competition in the near future. **Engineers R W D Tharaka Dayabandara, Thirakaran Mahalingam and Gayanath Rathnayaka** made the MESC Team.



## CHAMPIONS – IESL CRICKET FIESTA 2017

- MESC “Master Blasters” won the inaugural Championship
- Eng. G H Janaka Chaminda became the Best Bowler and the Best Allrounder

(Reported by Eng. Arjuna Manamperi, Chairman)

## PROVINCIAL CHAPTERS - 2016 / 2017

### IESL Eastern Chapter

The 18th Annual General Meeting of IESL Eastern Chapter was held on 28.08.2016 at Bridge View Hotel, Kallady, Batticaloa and the Executive Committee was elected by the participants for the year 2016/2017.

Eng. Wimalasena Gamage, President IESL was the Chief Guest for the event and graced the occasion.

Office bearers elected for the session 2016/2017;

| Post                | Name                   |
|---------------------|------------------------|
| Chairman            | Eng. S. Jayanthan      |
| Secretary           | Eng. M.R.M. Farhan     |
| Treasurer           | Eng. A.S.M. Irsath     |
| Assistant Secretary | Eng. S. Santhiramohan  |
| Members             | Eng. S. Mayuran        |
|                     | Eng. U. Mauran         |
|                     | Eng. S. Sathees        |
|                     | Eng. A.M. Haikal       |
|                     | Eng. A.L.M. Fazmy      |
|                     | Eng. S. Thushan        |
| Auditor             | Eng. T. Pathmarajah    |
| Editor              | Eng. M.T.M. Zuhail     |
| Patron              | Eng.(Dr)S.M. Junaideen |
|                     | Eng. D.A. Pragash      |

Also, the district committees Co-Chairmen during the period are;

| District    | Name                   |
|-------------|------------------------|
| Batticaloa  | Eng. M. Ramanasundaran |
| Ampara      | Eng. M.T.A. Bawa       |
| Trincomalee | Eng. L. Subaharan      |

The following activities were carried out by the IESL- Eastern chapter during the session.

#### **1. CPD Course**

|                 |   |
|-----------------|---|
| Title           | : Primavera-P6 Project Management Tool        |
| Date            | : 24th / 25th / 26th of March 2017            |
| Venue           | : Provincial Irrigation Department-Batticaloa |
| Resource Person | : Eng. D.T. Siriwardena                       |

## **2. Engineer's Hour Presentation**

Title : An Approach for the Bridge Maintenance and Management  
Date : 05th August 2017  
Venue : Provincial Irrigation Department-Batticaloa  
Resource Person : Eng. M.A. Vathulan, Bridge Management & Assessment Unit, RDA

## **3. Field Visit**

Field visit to Broadlands Hydro Power Project Site was organized by IESL Eastern Chapter on 26th August 2017.

## **4. Professional Review Examination, Section 'B' Paper**

Professional Review Examination, Section 'B' Paper examination was held on 19th March 2017 and 03rd September 2017 at Provincial Irrigation Department-Batticaloa.

## **5. Meetings**

Meeting with Eng. Jayavilal Meegoda President IESL and Officials was held on 22nd April 2017 at Thompukandam Village Resort-Oluvil and the issues that are faced by IESL Eastern Chapter were discussed.

## **6. Executive Committee Meetings**

|                                   |   |
|-----------------------------------|---|
| Executive Committee Meeting No:07 | Held on 15th July 2017 at Singing Fish Hotel-Batticaloa                                   |
| Executive Committee Meeting No:06 | Held on 19th May 2017 at Provincial Irrigation Department - Batticaloa                    |
| Executive Committee Meeting No:05 | Held on 22nd April 2017 at Faculty of Engineering, South Eastern University of Sri Lanka  |
| Executive Committee Meeting No:04 | Held on 04th February 2017 at Provincial Irrigation Department - Batticaloa               |
| Executive Committee Meeting No:03 | Held on 20th November 2016 at Singing Fish Hotel-Batticaloa                               |
| Executive Committee Meeting No:02 | Held on 29th September 2016 at Area Engineer Office, CEB-Kalmunai                         |
| Executive Committee Meeting No:01 | Held on 31st August 2016 at Faculty of Engineering, South Eastern University of Sri Lanka |

## **7. Annual Family Get-together**

Annual Family Get together was conducted on 31st December 2016 at Amaya Beach Hotel-Passikkudah.

## **8. Annual Cricket Fiesta**

Annual Cricket fiesta for the Eastern Province Engineers was held on 6th August 2017 at Hindu College ground, Batticaloa.

Eng. Niyas A Samad-Chairman, Civil Engineering Sectional Committee, IESL Council was the Chief Guest for the event.

## **9. Engineers Night**

Engineers' Night for Batticaloa Engineers was conducted on 23rd November 2016 at Bridge View Hotel-Kallady, Batticaloa.



## 10. Other Activities

Engineers of IESL Eastern Chapter were participated in the IESL day conducted by Faculty of Engineering, South Eastern University of Sri Lanka on 22nd April 2017.

### Upcoming events:

First Aid workshop at remote area school children (in Batticaloa district) in September 2017

Water Safety Plan workshop to the School children (in Ampara district) in September 2017

19th AGM of IESL Eastern Chapter in October 2017.

### Acknowledgement:-

Chairman and members of IESL-Eastern Chapter hereby acknowledge the assistance and other forms of support given by Eng. S. Thilagarajah, Provincial Director of Irrigation(Eastern Province) and Eng. M. Vadivel, Deputy Director of Irrigation (Batticaloa) to conduct CPDs and IESL-East's activities.

(Reported by Eng. S. Jayanthan, Chairman, IESL- Eastern Chapter)

## IESL Kandurata Chapter

Office Bearers Appointed for the Session 2016/2017.

### Office Bearers

| Post                | Name                    |
|---------------------|-------------------------|
| Chairman            | Eng. Palitha Abekoon    |
| Secretary           | Eng. J. M. Wijewickrama |
| Vice Chairman       | Eng. Aruna Karunanayake |
| Assistant Secretary | Eng. Sriyani Munasinghe |
| Treasurer           | Eng. SMJ Ratne          |
| Editor              | Eng. SAM Hilmy          |

### Committee Members

|   | Name                    |
|---|-------------------------|
| 1 | Eng. A. Rathnayaka      |
| 2 | Eng.Thilak Siriwardana  |
| 3 | Eng. Wijepala           |
| 4 | Eng. Tharanga Batagoda  |
| 5 | Eng. Dinuke Seneviratne |

## Representative Members

|                   | Name                       |
|-------------------|----------------------------|
| RDA               | Eng. GD Dimuthu Lakmal     |
| NWS&DB            | Eng. Darshana              |
| CEB               | Eng. Daulagala             |
| Irrigation Dept.  | Eng. Chandana Vidanagamage |
| KMC               | Eng. Gayan Jayasekara      |
| ESD               | Eng. K. A. D. Ariyawansa   |
| PID               | Eng. Damith Liyanage       |
| PRDA              | Eng. JMRB Jayawardana      |
| Dept. Agriculture | Eng. KD Aravinda Peris     |
| SLT               | Eng. Anuradha Udunuwara    |
| SEC               | Eng. Aruna Ranasinghe      |
| CECB              | Eng. Sanjeewa Perera       |
| MASL              | Eng. W.A. Chandrathilaka   |
| Private Sector    | Eng. Sumith Wickramarathna |
| Univer. Of Pera.  | Eng. Mahanama Disanayake   |

The Chapter uses an integrated plan for the sector to develop the dignity of 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

### 1. Professional development

Following events and activities were successfully conducted.

- ‘Different Techniques of Foundation’ on 24th Nov. 2016 by Eng. Sanjeewa Perera



- ‘Supplying Potable Water and Future Perspective’ on 27th January, 2017 by Eng. Ms. Ilangasinghe



- Professional Review workshop for Associate members on 28th February, 2017
- Structural Designs of Buildings on 30th Mar. 2017 by Eng. Jagath Amarapathy
- Pump Designs on 2nd June, 2017 by Eng. Salgadu

## 2. Social development

- Family Get-together on 18th December, 2016 in Nuwaraliya.



- New Year with Paduru Party was successfully held on 29th April, 2017.



(Reported by Eng. (Mrs.) J M Wijewickrama, Secretary, Kandurata Chapter)

## **IESL Rajarata Chapter**

Annual session and the 17th Annual General Meeting of IESL Rajarata Chapter were held on 29th September 2016, at Golden Mango Resort, Anuradhapura. The executive committee for the session 2016/2017 was elected.

During the session CPD activities, field visits, Talks and social activities were conducted.

The first task carried out by the new committee was the valuation of assets of the Centre. A committee was appointed with the Chairmanship of Treasurer Eng. Prasanna Senavirathna. All the fixed assets of the Centre were valued and for the valuation of the land and the building, service of professional Valuer was obtained. Following are the value of total assets owned by the centre.

|                                  |                  |
|----------------------------------|------------------|
| Total value of Land and Building | Rs.11.98 million |
| Total Value of Equipment         | Rs.127,000.00    |

Following Activities were completed during the session 2016/2017

### **1.0 Continuing Professional Development (CPD ) Activities**

- 1.1 A lecture on “Basic Concrete Technology and Use of Admixture in Concrete” was conducted on 26th January for Engineers and Technical officers in North Central Province. The resource persons were Mr. Jerome Besnoux and Eng. D. Kodagada. The event was held at Heritage Hotel, Anuradhapura and 128 participated in the event.

### **1.2 Structural Design Course**

A six months Structural Design course commenced on 14th February. 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 was conducted at Irrigation Department Auditorium, Anuradhapura.

### **1.3 Professional Review Workshop**

Professional Review workshop was conducted on 15th March at the Auditorium of Institute of Post-Harvest Technology. The resource persons were Eng. S. Fernando and Eng. K.P Dharmapala.

## **2.0 Lectures/ Talks**

- 2.1 A Talk on “investment with Stock Market” was organized on 27th October at the Auditorium of Colombo Stock Exchange Anuradhapura Branch. The resource person was Mr.Tharaka Amarasena, Manger – Anuradhapura Branch, Colombo Stock Exchange. There were 23 participants.
- 2.2 A lecture on “Review of Budget 2017” was held on 22th December at the Auditorium of Colombo Stock Exchange Anuradhapura Branch. The resource person was Dr. Aminda Methsila Perera, Senior Lecture Faculty of Management, University of wayamba . This was attended by Engineers and non-Engineers. The total participation was 38.

## **3.0 Field Visits**

- 3.1 Field visit to Medawachchiya Concrete Precast yard and Yan Oya Irrigation reservoir project was arranged on 16th May. 42 Engineers participated in the field visit.

## 4.0 Social Activities

### 4.1 JIY Awareness Programmes

Two JIY awareness programmes were conducted for Teachers and students of Anuradhapura and Polonnaruwa districts. 95 attended for the Anuradhapura Programme and 75 attended for the Polonnaruwa Programme.

### 4.2 Family Get together

A get together for the Engineers and their family members was organized on 28th February at Grand Hotel, Anuradhapura. 142 participated for the event.

### 4.3 Health Clinic

Health Clinic for the Engineers and their family members was organized on 27th April at the centre of Rajarata Chapter with the coordination of Ministry of Health, North Central Province.

## 5.0 Planning Circle Meeting

5.1 Two planning Circle meetings were held on 17th January and 30th May at the Creston Park Hotel, Anuradhapura.

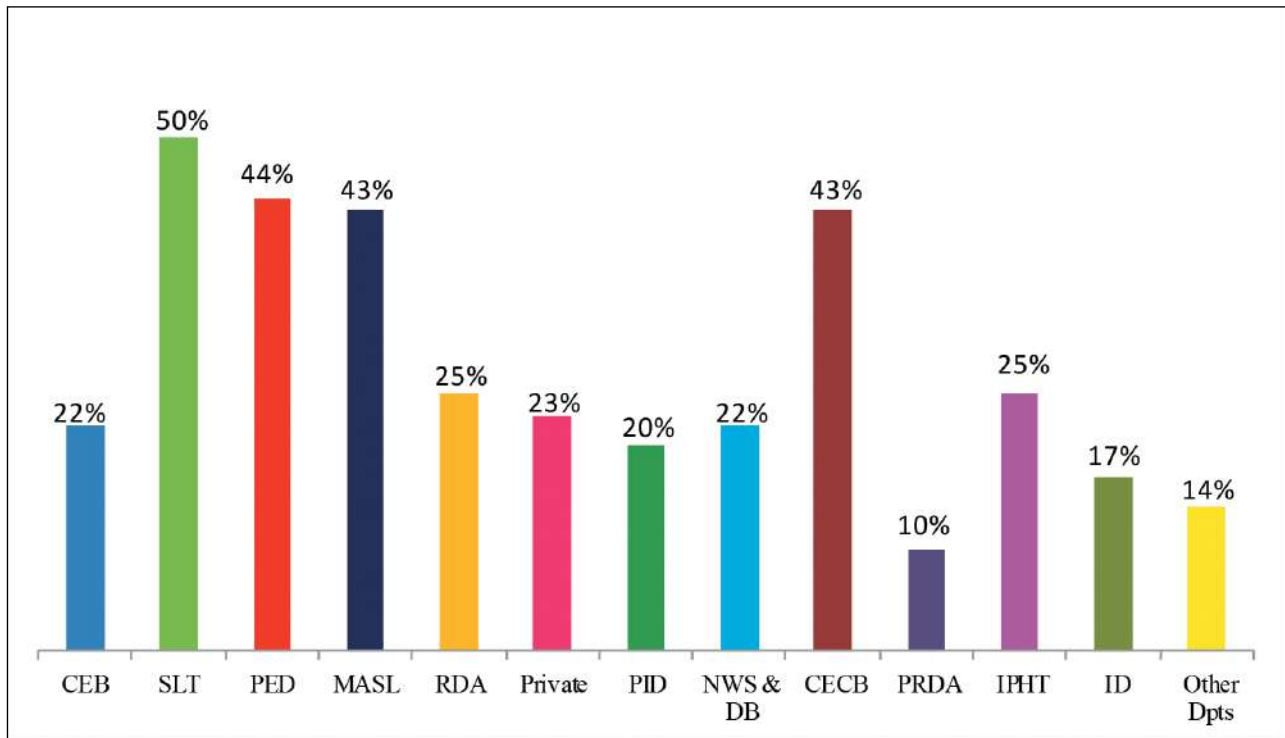
## 6.0 Committee meetings

Up to now, a total of 9 meetings were held during the session

Number of meetings attended by each committee member as at 30th September 2017 is given below.

| No.               | Name                       | Total | No.                    | Name                  | Total |
|-------------------|----------------------------|-------|------------------------|-----------------------|-------|
| Executive Members |                            |       | Representative Members |                       |       |
| 1                 | Eng.Sujith Jayasuriya      | 09    | 11                     | Eng.Dinesh Herath     | 07    |
| 2                 | Eng.(Ms) Lalani Wijesekara | 09    | 12                     | Eng. R. Karunathilaka | 03    |
| 3                 | Eng.Prasanna Senavirathna  | 08    | 13                     | Eng.A. Bandara        | 03    |
| 4                 | Eng.Sisira Dissanayake     | 08    | 14                     | Eng. A. Wickramasinha | 07    |
| 5                 | Eng.R. Amarasinha          | 01    | 15                     | Eng.Shalika Ekanayake | 07    |
| 6                 | Eng.Niranjana Dhanapala    | 07    | 16                     | Eng. A.M Rifnaz       | 07    |
| 7                 | Eng.C.T.K. Attanayake      | 03    | 17                     | Eng.S.P Bandara       | 00    |
| 8                 | Eng.P. Thilakarathna       | 02    | 18                     | Eng.M.H.A.S.R.Perera  | 04    |
| 9                 | Eng.M. Dissanayake         | 02    | 19                     | Eng.D. Sanjaya        | 03    |
| 10                | Eng.A.K.A Shanthirathna    | 06    | 20                     | Eng.A.C.Ranathunga    | 04    |
|                   |                            |       | 21                     | Eng.Nalin Perera      | 05    |
|                   |                            |       | 22                     | Eng. M. Ariyaratna    | 04    |
|                   |                            |       | 23                     | Eng. V. Chandradasa   | 04    |
|                   |                            |       | 24                     | Eng. N. Gunawardhana  | 01    |

Summary of average Participation of Members for Chapter activities from each Organization in North Central Province.



## 7.0 Forthcoming Events

- 7.1 Technical presentation on “Floods in Anuradhapura” at Golden Mango Resort, Anuradhapura
- 7.2 Cricket match for Engineers
- 7.3 Field visit to Uma Oya Multipurpose development project

(Reported by Eng. Lalani Wijesekara, Hony. Secretary, Rajarata Chapter)

## IESL Ruhunu Chapter

The Annual General Meeting of the IESL Ruhunu Chapter for the session 2016/2017 was held on 25th November 2016 at Sanaya Mansion, Matara with the presence of about 150 members.

Eng. J. Meegoda, President-Institution of Engineers, Sri Lanka (IESL) was the chief guest and Eng. (Prof.) (Mrs.) N. Ratnayake, President Elect-IESL, was the guest of honor. Eng. W. Kandambi, Project Director of Extension of Southern Expressway (Section 3), RDA was invited as the guest speaker to deliver a special lecture on ‘Engineer’s Role on Expressway Projects’. Special invitees, Eng. Tilak De Silva, Past-President IESL, and Eng. (Dr.) P.D. Chandana Perera, Dean Faculty of Engineering, University of Ruhuna, graced the AGM with their presence.

**Office bearers elected for the session 2016/2017;**

| Post                           | Name                                    |
|--------------------------------|---|
| Chairman                       | Eng. Sunil Jayawardena                  |
| Secretary                      | Eng. (Dr.) (Mrs.) T.N. Wickramaarachchi |
| Vice Chairman                  | Eng. D.M.J. Roshan Kumara               |
| Assistant Secretary            | Eng. Chamil Janaka                      |
| Treasurer                      | Eng. Ravindra Jayadewa                  |
| Editor                         | Eng. K.A. Vijith Nandana                |
| Committee Members              | Eng. (Dr.) Sudhira De Silva             |
|                                | Eng. J.A. Sandaruwan Dharmapala         |
|                                | Eng. I.D. Wijesiri                      |
|                                | Eng. B.N. Chamara                       |
|                                | Eng. V.G.D. Indeewara                   |
| <b>Co-opted Members</b>        |   |
| Road Development Authority     | Eng. Chandana Kumara                    |
| Irrigation Department          | Eng. H.R.W.J. Prematunga                |
| Student Chapter Representative | Mr. Heshan V. Perera                    |

**Activities for the session 2016/2017;**

- 1) **Continuing Professional Development (CPD) course on ‘Civil Engineering Design’** was successfully conducted by IESL Ruhunu Chapter to assist practicing Engineers and candidates who are sitting for professional review examinations of IESL.

This new CPD course was formulated based on the requests made by the Ruhunu Chapter with the inputs from CPD Committee of IESL.

There was a high demand for the course and forty eight participants have been enrolled for the course. Enrolments were done on the first-come first-served basis.

The course was started on Saturday, 5th November 2016 and continued until 21st January 2017 (ten Saturdays) from 9.00 am to 4.00 pm at the Irrigation Department Auditorium, Kaluwella, Galle.



- 2) 'Job Fair 2016' for Final Year Civil Engineering Undergraduates of Ruhuna Engineering Faculty** was jointly organized by IESL Ruhunu Chapter and CEES, Faculty of Engineering on 22nd December 2016, from 8.30 am to 4.00 pm at the Faculty of Engineering, University of Ruhuna, Hapugala, Galle.

Objectives of the programme were to assist the budding engineers to find potential placements in the industry and to guide them to become effective professionals in the field of engineering. This programme has brought employers, experienced professionals and other talented individuals in the field of civil engineering under one roof to further strengthen the relationship between the industry and the Faculty.

The programme included a presentation by Eng. Sunil Jayawardena, Chairman IESL Ruhunu Chapter on the topic 'Way forward to become Chartered Engineer'.

Around 80 Civil Engineering undergraduates have attended the event with great enthusiasm.

**3) Special Lecture Session for Newly Admitted Engineering Undergraduates**

On the Invitation of Engineering Education Center of the Faculty of Engineering, University of Ruhuna, a Special Lecture Session was conducted by IESL Ruhunu Chapter for the Newly Admitted Engineering Undergraduates on 5th January 2017, from 2.30 pm to 4.30 pm at the Lecture Theater 1 (LT1), Faculty of Engineering, University of Ruhuna.

Special Session included two lectures;

- 'Students' Role in Soft Skill Development in Engineering Education' by Eng. Manuja Wickramaratne
- 'Civil Engineering Projects' by Eng. Sunil Jayawardena, Chairman - IESL Ruhunu Chapter

More than 200 first year engineering undergraduates attended the session.

- 4) 'Professional Review Workshop' in Galle** was organized by IESL Ruhunu Chapter and Professional Standards Management Committee of IESL (PSMC) to assist candidates facing the Professional Review 'B' paper, Training and experience reports, interview and 'A' paper.

The event was held on 31st January 2017 from 9.00 am to 4.30 pm at the Irrigation Department Auditorium, Kaluwella, Galle, with the participation of 30 members.

Resource persons were Eng. Shavindranath Fernando, Past-president of IESL and Eng. K.P.I.U. Dharmapala.

**5) "Junior Inventor of the Year Competition (JIY)" 2017 Competition Awareness Programme for School Children in Matara Schools was conducted by IESL Ruhunu Chapter**

The event was held on 11th February 2017, from 9.00 am to 1.30 pm at Sri Lanka Telecom (SLT) Auditorium, Matara.

This is one of the awareness programmes in the series of awareness programs to be conducted by the IESL Ruhunu Chapter in collaboration with the IESL JIY Steering Committee and the Ruhuna Student Chapter of IESL. More than fifty students from five schools in Matara District have participated in the programme.





- 6) **Field Visit to Altair Project** was organized by the IESL Ruhunu Chapter on 18th February 2017. The Altair Project is a residential and commercial development under construction in Colombo, Sri Lanka. The building having 68 stories and 240m height will be one of the tallest buildings in Colombo when it is completed.

Thirty seven members have participated in the visit.



- 7) **Seminar on “Contract Insurance”** was jointly organized by IESL Ruhunu Chapter and Sri Lanka Insurance Corporation on 21st February 2017 (from 9.00 am to 1.00 pm) at IS Seminar Room, Faculty of Engineering, University of Ruhuna.

- 8) **“Junior Inventor of the Year Competition (JIY)” 2017 Competition Awareness Programme for School Children in Hambantota Schools** was conducted by IESL Ruhunu Chapter

The event was held on 24th February 2017, from 9.00 am to 1.30 pm at Auditorium of the Tissamaharamaya Divisional Secretariat.

This is one of the awareness programmes in the series of awareness programs to be conducted by the IESL Ruhunu Chapter in collaboration with the IESL JIY Steering Committee and the Ruhuna Student Chapter of IESL. Around 50 students from about 7 schools in Hambantota District have participated in the programme.



#### 9) **Professional Review B-Paper Examination – March 2017**

IESL Ruhunu Chapter successfully conducted the Professional Review B-paper Examination on 19th March 2017 at Faculty of Engineering, University of Ruhuna, Hapugala, Galle. Forty eight candidates have registered to sit for the exam at Galle.

#### 10) **First Planning Circle Meeting in 2017 for Engineers in Matara District** was held on 22nd March 2017, 6.30 pm onwards at LHK Hotel, Matara-Akuressa Road, Palatuwa.

IESL Ruhunu Chapter has organized this event with the aim to maintain proper coordination among the engineering organizations in the district by professional consultation among engineers. Such coordination is vital in finding out solutions to engineering problems that arise during various development projects. Also this was an effective forum to promote members to become corporate members and fellows of the institution.

Thirty seven engineers including Heads of the Institutions and Chief Engineers have participated in the meeting.

#### 11) **'Guest Lecture' for First Year Engineering Undergraduates of Ruhuna Engineering Faculty** was jointly organized by IESL Ruhunu Chapter and Department of Civil and Environmental Engineering, Faculty of Engineering, University of Ruhuna on 29th May 2017 (Monday) from 8.30 am to 10.30 am at Lecture Theater 1 (LT1), Faculty of Engineering, University of Ruhuna, Hapugala, Galle.

This lecture was delivered by Eng. H.M.D. Rasika Nath. More than 200 participants including Engineering Undergraduates, Academic Staff Members and Ruhunu Chapter Engineers have attended the event.

#### 12) **'Civil Engineering Consultancy Service'**

On the Invitation of Ruhuna Student Chapter of IESL, **Civil Engineering Consultancy Service** was conducted by IESL Ruhunu Chapter Engineers on 10th June 2017 (parallel to Ruhuna IESL Day). This offered free services of engineers (expert advices from professional engineers given free of charge) to people engaged in construction of their own house and those who have house maintenance problems.

The event was held from 1.00 pm onwards at the Drawing Office 1, Faculty of Engineering, University of Ruhuna, Hapugala, Galle, in parallel to the events conducted on Ruhuna IESL Day. Expert advice was provided by the subject specialists, Eng. L.S. Sooriyabandara, Eng. Sunil Jayawardena, Eng. Vijith Nandana and Eng. P.C. Ranasinghe.

Also IESL Ruhunu Chapter Executive Committee members, Eng. Sunil Jayawardena, Eng. Vijith Nandana and Eng. (Dr) (Mrs) T.N. Wickramaarachchi have served as the judge panel members for **Ruhuna IESL Day - BuilDet 2017 Competition**.

**13) Religious Events for Poson Season** were organized by IESL Ruhunu Chapter, partnering with Buddhist Society of Ruhuna Engineering Faculty.

- \* **Flowers, Incense sticks and Belimal Dansela** was organized on 8th June 2017, from 5.30 pm onwards at Sudharmaramaya Temple, Hapugala, Galle.
- \* **Dhamma Sermon** was organized on 13th June 2017, 6.00 pm onwards at Auditorium, Faculty of Engineering, University of Ruhuna, Hapugala, Galle.

Dhamma Sermon was conducted by Venerable Anurudda Thero, Chief Incumbent of the Waduwa Arranya, Koggala. Engineers, Academic and Non-academic staff members, and students have participated in the event.

**14) Field Visit to Broadlands Hydropower Project** was organized by the IESL Ruhunu Chapter on 22nd July 2017. Fifteen members have participated in the visit.

**15) First Planning Circle Meeting in 2017 for Engineers in Galle District** was held on 2nd August 2017, 6.30 pm onwards at Hasara Hotel, Richmond Hill, Galle.

IESL Ruhunu Chapter has organized this event with the aim to maintain proper coordination among the engineering organizations in the district by professional consultation among engineers.

Around twenty engineers including Heads of the Institutions and Chief Engineers have participated in the meeting.



**16) IESL Junior Inventor of the Year (JIY) Southern Province Competition 2017** was held on 5th August 2017 at Faculty of Engineering, University of Ruhuna, Hapugala, Galle.

Around eighty student groups from schools covering Matara, Galle and Hambantota districts have participated in this provincial level competition with their inventions. The event was organized by the IESL Ruhunu Chapter in collaboration with IESL JIY Steering Committee and Ruhuna Student Chapter of IESL.



**17) Public Lecture on 'Flood in Gin-Nilwala River basins – May, 2017'** was organized by IESL Ruhunu Chapter on 24th August 2017, from 4.30 pm onwards at the Irrigation Department Auditorium, Kaluwella, Galle.

This lecture was delivered by Eng. L.S. Sooriyabandara, Chief Engineer, Department of Irrigation, Galle. About 40 participants have attended the event with great enthusiasm.

#### **Upcoming events**

**1) Professional Review B-paper Examination** on 3rd September 2017 at Faculty of Engineering, University of Ruhuna, Hapugala, Galle.

Around thirty candidates will be sitting for the exam at Galle centre.

**2) Field Visit to Maternity Hospital Project, Karapitiya, Galle** on 2nd September 2017.

**3) Guest Lecture on 'Contract Law and Arbitration'** by Eng. (Dr.) Ananda Ranasinghe on 23rd September 2017 from 8.30 am to 12.30 pm at IS Seminar Room, Faculty of Engineering, Hapugala, Galle.

**4) IESL Ruhunu Chapter stall at TECHNO 2017** to demonstrate engineering features unique to southern region, from 13th to 15th October 2017.

(Reported by Eng. Dr. (Mrs.) T N Wickramaarachchi, Secretary- IESL Ruhunu Chapter)

#### **IESL Sabaragamuwa Chapter**

The Annual General Meeting of the IESL Sabaragamuwa Chapter was held on 28th November 2016 at Samudi Reception Hall, New Town, Rathnapura with the participation of 80 numbers of chapter members. Eng. Jayavilal Meegoda, President IESL, Prof. N Rathnayake, President Elect, Eng. Kamal Laksiri, Vice President IESL, Eng. Arjuna Manamperi, Chairman, Mechanical Engineering Sectional Committee and the key note speaker Prof. J.M.S.J. Bandara were the chief guests. The following members were selected to the executive committee for 2016/2017.

| Post                | Name                       | Organization       |
|---------------------|----------------------------|--------------------|
| Chairman            | Eng. Primal Jinadasa       | NWS&DB             |
| Secretary           | Eng. Prasad Piyasena       | CEB                |
| Treasurer           | Eng. Sarath Wijesekara     | Private sector     |
| Vice Chairmen       | Eng. Chandima Rathnayaka   | SLT                |
| Assistant Secretary | Eng. Chalani Hettiarachchi | Provincial Council |
| Editor              | Eng. Suhashini Ihalagama   | CEB                |
| Committee Member 1  | Eng. Sanjaya Bothata       | CEB                |
| Committee Member 2  | Eng. Parakrama Ranasinghe  | CECB               |
| Committee Member 3  | Eng. K R Withanage         | Provincial Council |
| Committee Member 4  | Eng. Lasantha Amarasena    | NWS&DB             |
| Committee Member 5  | Eng. Samith Jayathunga     | RDA                |
| Committee Member 6  | Eng. Sampath Senaratna     | SLT                |
| Committee Member 7  | Eng. Lalith Kumara         | Private Sector     |
| Committee Member 8  | Eng. Saman Werahera        | Provincial Council |



Committee Members for the Session 2016/2017

Since the last AGM, following activities were organized by the IESL Sabaragamuwa Chapter.

#### **Event No: 01 - Workshop on Pest Management and Termite Control**

This CPD workshop was held on 29th December 2016 from 5.00 to 7.00 pm at Rathnapura. The main objective of the event was to improve the knowledge and experience on termite control of the IESL members in the province. More than 40 engineers participated in the event. Experts from Lankem Ceylon PLC conducted the lectures.

#### **Event No: 02 - Inter Organizational Cricket Tournament**

The objective of this six a side cricket tournament was to select the best players in the province to represent in the tournament organized by the Young Engineers' Sectional Committee of the head office and to prepare them for the tournament. The tournament was held on 12th January 2017 and 7 teams representing different organizations participated in the tournament.



**Event No: 03 - Motivational workshop for Engineers**

IESL Sabaragamuwa Chapter organized a motivational program titled “Be the best version of you” which was conducted by Eng. Ranil Sugathadasa. This was held on 15th February 2017 and around 80 engineers have gathered to experience this event.

**Event No: 04 - Advanced Technology used in the painting industry**

This CPD session was a valuable opportunity to the members to acquire vast knowledge on the new technology used in the painting industry. Experts from Causeway Paints Lanka (PVT) Ltd conducted the session.

**Event No: 05 - Cricket Tournament organized by the Young Engineers’ Sectional Committee**

A team from Sabaragamuwa chapter participated in the cricket tournament organized by the Young Engineers’ Sectional Committee of the head office. Though the team could win the first round without much effort, they were lost in the semifinals.

**Event No: 06 - Professional Review Examination**

B paper examination (Feb/March 2017) was held in March 2017 at Technical College, Ratnapura.

**Event No: 07 - Musical Program**

As a change to the busy technical workload handled by the engineers, a classical musical program called “Rasoga” was organized by the IESL, Sabaragamuwa chapter with the participation of around 50 members.

**Event No: 08 - Wesak Dharma Deshanaya**

On 7th May 2017 a Dharma Deshana and a discussion was arranged at the Sabaragamuwa Provincial Council auditorium for the members as well as the public. About 220 people have gathered in the auditorium to make the event a successful one.

**Event No: 09 - Donations to the flood victims**

IESL Sabaragamuwa Chapter donated food and other required items to the flood victims with the help of IESL head office. Donations were handed over to the villages in Dimiyawa and Dambuluwawa, Ratnapura

**Event No: 10 - Workshop on Causes of Disasters and Preventive Engineering Solutions**

A public workshop with the participation of District Secretary, Divisional secretaries, and the heads of all the organizations was organized to educate the government officers regarding the disaster management on 19th June 2017. About 100 senior government officers attended the workshop. This was conducted by Eng. Aruna Samarathunga of Irrigation Department, Rathnapura and Dr. Gamini Jayatissa, Senior Geologist from NBRO.



Dr. Gamini Jayathissa and Eng. Anura Samarathunga delivering their lectures.

### **Event No: 11 - JIY Awareness programs**

IESL Sabaragamuwa chapter conducted two awareness programs at Prince College, Rathnapura and Batugedara Maha Vidyalaya, Rathnapura. A two hour lecture was conducted by Eng. Prasad Piyasena in both schools.

### **Event No: 12 - Lecture on Practical Taxation**

Two lectures were organized on 3rd August 2017 to improve the knowledge on the general tax and PAYE tax. Mr. Chaminda Ekanayake, Assistant commissioner of Inland Revenue, conducted the lectures. About 130 Engineers and technical officers in the province attended the lecture.

### **Event No: 13 - CPD Session on Tile Industry**

During this seminar participant could obtain valuable experience and gain a good theoretical knowledge on the advance technology used in the tiling industry. Experts from Lanka Tile PLC conducted several lectures.

### **Event No: 14 - Field visit to Broadlands Hydro Power Project**

The first field visit for the session was organized on 12th August 2017 to visit the Broadlands Hydro Power Project. The ongoing construction works at the dam site, tunnel, and the power house locations were observed by the participants. After the visit to the project the participants experienced rafting at Kithulgala.

### **Event No: 15 - JIY Competition**

JIY competition for the applicants in Sabaragamuwa province was held at the auditorium of Ceylon Electricity Board, Rathnapura.

### **Event No: 16 - Professional Review Examination**

B paper examination (July/August 2017) was held on 3rd September 2017 at Technical College, Rathnapura.

### **Event No: 17 - Foreign tour**

IESL Sabaragamuwa chapter has organized a family tour to Thailand in December 2017. It is planned to visit Bangkok and Pathaya.

## **IESL Uva Chapter**

### **1.0 Executive Committee for Year 2016/2017**

| <b>No</b> | <b>Name</b>                   | <b>Membership No</b> | <b>Committee Post</b> |
|-----------|-------------------------------|----------------------|-----------------------|
| 1         | Eng, Mihira N Gunasena        | M-4330               | Chairman              |
| 2         | Eng, Rohitha Kumara           | M-5387               | Secretary             |
| 3         | Eng, Gunapala<br>R.M.P.G.L.S  | AM11729              | Vice<br>Secretary     |
| 4         | Eng, Munasinghe               | M-6474               | Treasurer             |
| 5         | Eng. S.N.B.M.<br>Padmasiri    | M-5443               | Member                |
| 6         | Eng. R.I Kodagoda             | M-6269               | Member                |
| 7         | Eng. R.J.R Senadheera         | AM-9936              | Member                |
| 8         | Eng. B.A.M.S.<br>Beligaswatte | M-4543               | Member                |
| 9         | Eng. P.H.D<br>Hemachandra     | AM-12478             | Member                |
| 10        | Eng. D.B Sameera Silva        | AM-13687             | Member                |
| 11        | Eng Lakshan<br>Senevirathne   | AM-18066             | Member                |
| 12        | Eng.A.P. Rupasinghe           | M-6002               | Member                |
| 13        | Eng.H.W.I Indunil             | AM-6950              | Member                |
| 14        | Eng M.T.G.A.N. Lakmal         | AM-11047             | Member                |



## **2.0 January 2017- The Technical Session followed by Musical Event and Dinner**

The Technical Session followed by Musical Programme was held on 24th January 2017 at Irrigation Circuit bungalow in Bandarawela (Senanayaka Mawatha).

## **3.0 February 2017 - 1st Quarter Planning Circle**

On February 27, 2017, the Planning Circle Meeting followed by fellowship was held at Hotel Milindhi in Bandarawela.

## **4.0 March 2017 - Discussion on “B” paper Professional Development Program.**

The Program was held at Service Institute at Bindunuwewa, Bandarawela.

## **5.0 April 2017 - New Year family get-together followed by the Technical Session**

The Program was held on 18th May 2017 at Onex Hotel at Badulla.

## **6.0 June 2017 - Technical Session “Ultra High Performance Concrete”**

Technical Session “Ultra High Performance Concrete” was held on 22 June 2017 at Hotel Olimpus Plaza, Haputhale.

## **7.0 July 2017 - Technical Session on “Cement and Cement Base Product” and Introduction of Toastmaster Club**

It was held on 26 July 2017 at Capital City Hotel, Badulla.

## **8.0 August 2017 - Personal Grooming Programme**

It was held on 24 August 2017 and conducted by Officers of Diyathalawa Army Camp.

## **9.0 Junior Inventor of the Year Programme**

The Provincial competition was held on 25 July 2017 at Al-Aham College, Badulla.



## 10.0 Future Programs

- Free Technical Supporting Service for Affected People by Uma Oya Development Project (Before 31 September 2017).
- Ordinary level Seminar programme for rural schools (Affected student by Uma Oya Project)
- Annual General Meeting 2016/2016 - November 2017

(Reported by Eng. M N Gunasena, Chairman – IESL Uva Chapter)

## **IESL Vadakkin Chapter**

### **1. 26th AGM and selection of Committee members**

The 26th annual general meeting of Northern Provincial Centre of Institution of Engineers (Vadakkin Chapter), Sri Lanka was chaired by the Chairman Eng.N.Navaneethan at Tilko Jaffna city hotel on 19th November 2016 at 4.00 pm. Eighty five (85) numbers of Engineers participated from the five districts of the Northern Province.

### **Committee Members of IESL Vadakkin Chapter 2016/2017**

| <b>No</b> | <b>DESIGNATION</b>  | <b>MEMBERS</b>                                       |
|-----------|---------------------|--|
| 01        | Chairman            | Eng.T.Barathithasan                                  |
| 02        | Secretary           | Eng.S.Suntharakumar                                  |
| 03        | Treasurer           | Eng.N.Nantharuban                                    |
| 04        | Vice Chairman       | (Chairman – Mannar District chapter) – To be elected |
| 05        | Assistant secretary | Eng.N.Sivaharan                                      |
| 06        | Editor              | Eng.R.Partheepan                                     |
| 07        | Member - 1          | Eng.V.Vijayakanth                                    |
| 08        | Member - 2          | Eng.M.A.Consalas                                     |
| 09        | Member - 3          | Eng.C.Vathanakumar                                   |
| 10        | Member - 4          | Dr.A.Kaneswaran                                      |
| 11        | Member - 5          | Eng.R.Suveenthana                                    |
| 12        | Member - 6          | (Ex-Chairman) - Eng.N.Navaneethan                    |
| 13        | Member - 7          | (Ex-Secretary) - Eng.Mrs.M.Thayaparan                |

Following members were appointed for sub committees.

#### **I. Committee for Junior Inventors for the Year (JIY) 2016/2017**

1. Eng. J.Amalendran for Jaffna District
2. Eng. N.Suthakaran for Killinochi District
3. Eng. M.Maheswaran for Vavunniya District
4. Eng. M.M. Rajkumar for Mannar District
5. Eng. S.Paraneetharan for Mullaitivu District

#### **II. Committee for CPD 2016/2017**

1. Dr.A.Anburuvel
2. Eng.S.Ruthiralingam
3. Eng.M.Thillainathan
4. Eng. (Mrs.). P.Abira
5. Eng. (Mrs.). S.Malathy

### III. Committee for Exhibition

1. Dr. T.Thiruvaran
2. Eng. A.Robert Peries
3. Eng. (Ms.) Anusha Selvarasa
4. Eng. T.Senthan
5. Eng. A.Kajeevan
6. Eng. N.Srikaran (To function as Coordinator)



### 2. Committee meetings

There were eight committee meetings conducted during this year and many of the decisions taken at the meetings were executed.

### 3. Inauguration and AGM of District Centers

#### 3.1 Inauguration of Kilinochchi District Center held on 10th Feb 2017

The Inauguration of Kilinochchi District Centre of Vadakkin (Northern) Chapter of Institution of Engineers Sri Lanka was chaired by the Chairman Eng.T.Barathithasan at Friends in Hotel, Kilinochchi on 10th of February 2017 (Friday) at 6.00 p.m and forty two (42) numbers of Engineers participated.

Following office bearers and committee members were nominated.

| S. No | Designation      | Name                  |
|-------|------------------|-----------------------|
| 1     | Chairman         | Eng.T.Rajakobu        |
| 2     | Secretary        | Eng.R.Suveenthana     |
| 3     | Treasurer        | Eng.K.Kadampaseelan   |
| 4     | Member 1         | Eng.K.Arankan         |
| 5     | Member 2         | Eng.(Dr.) A.Anburuvel |
| 6     | Member 3         | Eng.V.Premkumar       |
| 7     | Member 4         | Eng.V.P.Kajan         |
| 8     | Member 5         | Eng.T.Tisiyanthan     |
| 9     | Student Member 1 | Mr.B.Nilakshan        |
| 10    | Student Member 2 | Mr.S.Sangar           |





### **3.2 Inauguration of Vavuniya District Centre held on 25th May 2017**

The inauguration of Vavuniya District Center of Institution of Engineers Sri Lanka was chaired by Eng. T.Barathithasan at Vanni Inn Hotel, Vavuniya on 25th May 2017 (Thursday) at 6.30 p.m and forty eight (48) numbers of Engineers participated.

Following office bearers and committee members were nominated.

| No | Designation | Name                  |
|----|-------------|-----------------------|
| 1  | Chairman    | Eng.J.Vijayabalan     |
| 2  | Secretary   | Eng.Ms.M.Thayaparan   |
| 3  | Treasurer   | Eng.Elese Jesuthasan  |
| 4  | Member - 1  | Eng.M.E.Sutharshan    |
| 5  | Member - 2  | Eng.T. Suganthalingam |
| 6  | Member - 3  | Eng.T.Jeyakumar       |
| 7  | Member - 4  | Eng.C.Vathanakumar    |
| 8  | Member - 5  | Eng.T.K.Ilankeeran    |



### **3.3 Annual General Meeting of Mannar District Centre held on 16th June 2017**

The AGM of Mannar District Center of Institution of Engineers Sri Lanka was chaired by Eng. K.M.M.Ruwaim, Chairman-MDC at Beach View Hotel, Pesalai, Mannar on 16th June 2017 (Friday) at 5.00 p.m and twenty six (26) numbers of Engineers participated.

The nomination of office bearers for the first committee of Mannar District Chapter are as follows,

| No | Designation | Name                             |
|----|-------------|----------------------------------|
| 01 | Chairman    | Eng.G.J.D.Croos                  |
| 02 | Secretary   | Eng.M.E.Sutharsan                |
| 03 | Treasurer   | Eng. K.Chandra Kanthan           |
| 04 | Member      | Eng.M.M.Rajkumar                 |
| 05 | Member      | Eng.M.A.Consalas                 |
| 06 | Member      | Eng.G.Nimalan                    |
| 07 | Member      | Eng.A.Robert Peris               |
| 08 | Member      | Eng.J.Jenistan                   |
| 09 | Member      | Eng.K.M.M.Ruwaim (Ex – Chairman) |

#### **4. Panel discussion**

Panel discussion was arranged on “PREPARING THE PROFESSIONAL REPORT FOR PROPOSED PREFABRICATED HOUSING.” At this juncture, the Vadakkin Chapter of the Institution of Engineers, Sri Lanka, as a socially conscious body rose up to the occasion and decided to proclaim its view to the general public as well as to the Government of Sri Lanka with regard to this novel subject.

Finally “Professional Report, on the Proposed Prefabricated Houses” duly signed by the Panel members and the Chairman and the Secretary of Northern (Vadakkin) Chapter, was submitted to Executive Secretary, IESL for the publication on IESL web page on 26th June 2017 .

#### **5. Cricket fiesta**

Vadakkin Chapter has organized Annual Cricket Tournament which has been held on 08.04.2017 at Ariyalai Community Centre ground with a good participation of 10 teams representing various engineering institutions.

The “Chennai 600028 Part iii” team became the champion, and the “Team Sierra” was declared runner-up.

Chapter proudly printed t-shirts in view of the cricket tournament and lot of players enthusiastically purchased and wore them during the cricket matches.

The following teams participated in the Annual Cricket Tournament 2017:

1. Building Bulls
2. Vanni Knight Riders
3. Central Irrigation team
4. Irrigation Warriors
5. JKWSSP Tsunami
6. Water board Warriors
7. CESL North Kings
8. Northern Stars
9. Team Sierra
10. Chennai

## 6. IESL Cricket Fiesta

Young Members Section of IESL has organized a cricket tournament for IESL members on 18th February 2017 at Thurstan Cricket Ground, Colombo. There were 16 teams participated in the tournament, Vadakkin chapter formed the team 'Vadakkin Super Kings' led by Eng. B. Dinesh came up Runners-up in member category and Eng. B. Dinesh was awarded as 'Best Batsman' of the tournament. Rs. 260,000 prize in total was awarded to all 13 members of the team to follow CPD courses.

The team members are;

1. Eng. B. Dinesh - Captain
2. Eng. R. B. Thavendrakumar
3. Eng. (Ms). P. Mathuwanthy
4. Eng. A. C. J. Nirajh
5. Eng. V. P. Kajan
6. Eng. M. Kesavan
7. Eng. Y. Thineswaran
8. Eng. B. Piratheep
9. Eng. M. Rutharsan
10. Eng. S. Vishakan
11. Eng. S. Seyanthan
12. Eng. A. Kajeewan
13. Eng. M. Rajkumar



## 7. CPD Course

Euro design class for Engineers was conducted by Eng.K.M.Vignarajah Senior Lecturer, Faculty of Engineering, University of Jaffna arranged by Vadakkin Chapter which has been successfully completed. About 22 Engineers participated in 30 hour course. Each engineer paid ten thousand rupees as course fee.

## 8. Technical talk

The following 14 nos technical talks were arranged by Vadakkin Chapter

1. Technical Talk: Future of Power systems & Smart Grid technologies by Dr Viswakumar Aravinthan & Dr.Kumar Vinayamoorthy – 21st Dec 2016
2. Technical Talk : Drought forecasting for tropical countries by comparing of precipitation data patterns with astronomical positions Eng L.W.Seneveretna – 07th Jan 2017
3. Technical Talk: Façade Engineering by Dr B.Baleshan – 13th Jan 2017
4. Finite Element Analysis by Eng.K.M.Vignarajah – 25th Jan 2017
5. Engineering & Natural Resources (Water) for Social Development by Prof. S.Vigneshwaran, Eng.B.Vigneshwaran, Eng.A.D.S.Gunawardana & Eng.Iyathuraisomesan – 30th Jan 2017
6. Contract Insurance & Workmen Compensation by Mr.Shanmugam Rajmohan – 14th March 2017
7. Technical Talk – A socio- ecological systems view of environmental and infrastructure management: Implication for Water resource management – 14th Mar 2017 – Kilinochchi DC
8. Right to Information Act by Professor S.Ratnajeewan H. Hoole – 01st April 2017
9. Chartered membership examination of the istructe - an examiner's perspective by Eng K.R.Inparajan - 11th April 2017
10. Singapore Changi airport expansion; challenges & engineering solutions by Eng Leisle pakianathan – 27th April 2017
11. Technical talks on sustainable & cost effective development of better transport infrastructures & holistic design approach for underground infrastructures By Eng Ahilan Selladurai & Eng Siva Jeyanthan - 20th May 2017
12. Technical Talk 02– Structural repair, water proofing and admixture – 20th June 2017 – Kilinochchi DC
13. Memorial Lectures – Eng.M.Rathinam “Water for the Jaffna Peninsula” by Dr. K. Vigneswaran – 22nd July 2017
14. How to become unique among hundreds of applications – By Prof Harsha Ratnaweera on 26th July 2017 - Kilinochchi DC

## 9. JIY programme





This year Awareness Program and preliminary evaluation of JIY 2017 for the school children in the Northern Province level were successfully completed and separate sessions for the Awareness Program for all 12 educational zones in Northern Province were arranged.

#### **10. Field visit**

Field Visit was arranged by Vavuniya district center on 19th July 2017 for Nedunkulam renewable power project (Solar power project) in Vavuniya district

#### **11. B – Paper Examination**

B Paper Examination was organized by IESL with the help of Vadakkin Chapter on 19th March 2017 at Jaffna University, About 22 engineers participated. Another B paper examination will be organized on 03 Sep 2017.

#### **12. TECHNO exhibition**

It was Planned to display following items at the exhibition.

1. Model for Desalination plant in Delft - Jaffna
2. Electricity Supply Reliability Improvement Project

(Reported by Eng.T. Barathithasan, Chairman – IESL Vadakkin Chapter)

### **IESL Wayamba Chapter**

#### **1.0 Annual General Meeting (AGM WC)**

AGM WC and the annual secession 2015/2016 were conducted on 18th November 2016 at Hotel Indora, Puttalam Road, Tittawella, Kurunegala. More than 100 members attended and the following office bearers were appointed for the term 2016/2017.



|    | <b>Position</b>  | <b>Name</b>                  |
|----|--|------------------------------|
| 1  | Chairman   | Eng. Kapila Weerasooriya     |
| 2  | Senior Secretary   | Eng. Kusum Priyananda        |
| 3  | Treasurer  | Eng. N. B. Nandana           |
| 4  | Joint Secretary  | Eng. M. D. K. Mahiti         |
| 5  | Joint Secretary  | Eng. D. M. B. Dissanayake    |
| 6  | Joint Secretary  | Eng. J Aruldasan             |
| 7  | Assistant Treasurer  | Eng. Ramal M. Amadoru        |
| 8  | Editor & Web Master  | Eng. Krishantha Ranawaka     |
| 9  | Immediate Past Chairman  | Eng. K.B.V. Indrapala        |
| 10 | Past Chairman  | Eng. Saman Piyasinghe        |
| 11 | 1st Committee Member   | Eng. Nuwan Ariyawansa        |
| 12 | 2nd Committee Member   | Eng. S. M. B. Dissanayake    |
| 13 | 3rd Committee Member   | Eng. Y. A. C. R. Kumara      |
| 14 | 4th Committee Member   | Eng. Rasika Mallawaarachchi  |
| 15 | 5th Committee Member   | Eng. Sunil Jayatissa         |
| 16 | 6th Committee Member   | Eng. Thilina Dissanayaka     |
| 17 | 7th Committee Member   | Eng. B.M.L.S Bandaranayake,  |
| 18 | 8th Committee Member   | Eng. Aroshana Wickremanayake |
| 19 | 9th Committee Member   | Eng. P.C.Dilruksha           |
| 20 | 10th Committee Member  | Eng. G.T.R.B.Olagama         |
| 21 | Ceylon Electricity Board<br>(Distribution and Maintenance)       | Eng. M.G.H.Ranathunga        |
| 22 | Sri Lanka Telecom (Kurunegala)                                   | Eng. Asela Jayathilaka,      |
| 23 | Provincial Road Development Department                           | Eng. Damith Dissanayake      |
| 24 | Water Supply and Drainage Board                                  | Eng. Jude Kurera             |
| 25 | Provincial Engineering Department - NWP.                         | Eng. Kasun Bandara           |
| 26 | Private Sector   | Eng. D.M.T.C. Dissanayake    |
| 27 | Ceylon Electricity Board, DGM's Office, Kuliyaipitiya            | Eng. Lakmali Karunanayake    |
| 28 | Ceylon Electricity Board, DGM's Office, Kuliyaipitiya            | Eng. Watsala Ratnayake       |
| 29 | Irrigation Department  | Eng. H.G.Malini Kulasinghe   |
| 30 | Road Development Authority                                       | Eng.M.A. Prageeth Sumendra   |
| 31 | Water Supply and Drainage Board                                  | Eng. Petum Lakmal            |
| 32 | Private Sector, Luminex Private Ltd., Kurunegala                 | Eng.Aruna Abeyrathne,        |
| 33 | Irrigation Department  | Eng. Samantha Jayamanne      |
| 34 | Wayamba Engineering Department                                   | Eng. R.H.K. Siriwardhana     |
| 35 | Ceylon Electricity Board, Office of DGM (P&HM)<br>DD1,Kurunegala | Eng.S.A.P.C Siriwardana      |
| 36 | Provincial Irrigation Department                                 | Eng.E.M.K.B.Wijerathne       |
| 37 | NWS & DB Regional support Center-Kurunegala                      | Eng.Kusal Manamperi          |

There was a technical presentation on “Irrigation Development in Sri Lanka” by Eng. Saman L S Weerasinghe, Director General of Irrigation, Department of Irrigation, Sri Lanka.

Chief Guest was Eng. Jayavilal Meegoda, President, IESL 2016/2017. Eng. Ms. Niranjani Ratnayake, President Elect and Eng. W Gamage, Immediate past president, IESL also graced the event. After the annual secession, fellowship dinner was hosted.

## **2.0 Activities Carried Out During last three months**

### **2.1 1st Executive Committee Meeting 29th December 2016**

This meeting was held at the Hotel Eudora, Tiththawella, Puttamam Road, Kurunegala from 6.00 p m to 7 30 p m. There were 30 EXCO members attended the meeting. President revealed the activity plan and the sub-committees for organizing the events scheduled for the term 2016/2017.

### **2.2 1st CPD Programme “PR Workshop for Associate Members”**

This programme was conducted on 26th January 2017 at the Auditorium, Lakvijaya Power Station, Norochchole. There were more than 60 associate members participated in the programme, and it was conducted by Eng. W J L S Fernando and Eng. K P I U Dharmapala.

### **2.3 2nd CPD Programme on “Express Way Projects in Sri Lanka”**

The 2nd CPD programme was conducted by Eng. Shriyani Abeywickrema, Senior Project Director, Kandy Express Way – Phase IV at the Bishop L Wickremasinghe Auditorium, Kandy Road, Kurunegala on 27th January 2017 from 4.30 p m to 6.00 p m. 75 members participated in the event.

### **2.4 2nd EXCO Meeting of IESL Wayamba**

This meeting was held at the same venue used for the CPD activity on 27th January 2017 from 6.30 pm to 7.30 pm. Twenty six members participated in the event. It was decided to arrange one CPD Programme every month.

### **2.5 IESL Wayamba Participated Cricket Tournament Organized by Young Members**

A team of Wayamba Chapter attended the above tournament held on 18th February 2017 at the Thurston Ground.

### **2.6 3rd EXCO Meeting of IESL Wayamba**

This meeting was held at the Circuit Bungalow of Irrigation Department, Lake Round Road, Kurunegala on 3rd March 2017 from 6.30 pm to 7.30 pm. Twenty five members participated in the event.

The fellowship dinner was organized by one of the sub-groups of the EXCO after the meeting.

### **2.7 Professional Review “B” paper exam**

The above exam was conducted with the assistance from IESL headquarters on 19th March 2017 from 2.00 p m to 5 00 pm at Wayamba Royal College, Puttalam Road, Kurunegala. There were 32 participants for the exam and eight EXCO members of Wayamba Chapter assisted the coordinator of IESL Eng. K P I U Dharmapala.

## **2.8 1st Planning Circle Meeting of IESL Wayamba**

This meeting was held on 31st March 2017 from 2.30 pm to 4.00 pm at the Auditorium of Sri Lanka Telecom, Kandy Road, Kurunegala. All heads of departments of NWP were invited for the meeting to discuss the issues related to ongoing projects.

## **2.9 3rd CPD Programme on “ Evolution in Telecommunication Technology for the Future”**

This programme was conducted on 31st March 2017 from 4.30 pm to 6.00 pm at the Auditorium of Sri Lanka Telecom, Kandy Road, Kurunegala. The presentation was conducted by Eng. M Z Saleem, One of the General Managers of Sri Lanka Telecom.

## **2.10 4th EXCO meeting of IESL Wayamba Chapter**

This meeting was held on 31st March 2017 from 6.15 pm to 7.15 pm at the Auditorium of Sri Lanka Telecom, Kandy Road, Kurunegala.

## **2.11 1st Awareness programme for NWP on JIY Competition 2017**

The above awareness programme for the students and teachers attached to schools of Kurunegala District was held on the 3rd April 2017 from 9.00 am to 1.00 p.m. at the Subhashana Mandiraya, Department Education (NWP), Kandy Road, Kurunegala. Eng. Preasad Siriwardama and Eng. Kapila Weerasooriya conducted the presentations.

Winners of JIY competition 2016 were commended by awarding certificate, plaque and valuable gifts after the awareness programme by the Executive committee of IESL Wayamba.

## **2.12 5th EXCO Meeting**

The above meeting was conducted at the Auditorium of Lakaman Bishop Wickremasinghe, Kandy road, Kurunegala on the 28th April 2017 for the EXCO members of the IESL Wayamba Chapter. There were more than 25 members participated in the meeting.

## **2.13 4th CPD programme on Engineer’s role as the Manager and the leader in the Society**

The above CPD programme was conducted by Dr. Jayalath Edirisinghe at the Lakaman Bishop Wickremasinghe Auditorium, Kandy road, Kurunegala on the 28th April 2017 for the members of the IESL Wayamba Chapter. There were more than 50 participants for the event.

## **2.14 CPD -5 Technical Aspects of Renewable Energy Generation**

The CPD course was conducted at the Auditorium of Sri Lanka Telecom, Kandy road, Kurunegala on the 26th May 2017 for the members of the IESL Wayamba Chapter. There were more than 25 participated in the programme.

## **2.15 6th EXCO Meeting**

The above meeting was conducted at the Auditorium of Auditorium of Sri Lanka Telecom, Kandy road, Kurunegala on the 26th May 2017 for the EXCO members of the IESL Wayamba Chapter. There were more than 18 members participated in the meeting.

### **2.16 1st CSR Activity**

EXCO of IESL Wayamba chapter provided dinner for 60 nos. students of Deaf school, Ratmalana while returning from the annual education tour on the 26th May 2017.



### **2.17 2nd JIY Awareness Programme for the Teachers and Students of Puttalam**

The above programme was conducted at the main hall of the Patima College, Puttalam. There were more than 180 participants for the programme. Eng. Prasad Siriwardana and Eng. M I M Irshad conducted the programme in Sinhala and Tamil Languages.



### **2.18 2nd CSR Activity**

EXCO of IESL Wayamba chapter provided lunch and cloths, conducted medical camp and screened a film at Girls Home, Rambawewa, Wariyapola on the 17th June 2017.

### **2.19 7th EXCO Meeting**

The above meeting was conducted at the Minara Hotel, Fisheries Company Road, Kurunegala on the 30th June 2017 for the EXCO members of the IESL Wayamba Chapter. There were more than 25 members participated in the meeting followed by a fellowship dinner.

### **2.20 CPD -7 Speech Craft Programme**

The Speech craft programme has been organized by IESL Wayamba Chapter for the benefit of members. This programme was conducted by Wayamba Toastmasters Club at Industrial Services Bureau, Kandy Road, Kurunegala. 18 members participated the Programme.

### 2.21 CPD -8 Non-communicable diseases and health Issues

The CPD was conducted at the Auditorium of Sri Lanka Telecom, Kandy road, Kurunegala on the 28th July 2017 for the members of the IESL Wayamba Chapter. More than 60 members and non-members participated the workshop.

### 2.22 8th EXCO Meeting

The above meeting was conducted at the Auditorium of Sri Lanka Telecom, Kandy road, Kurunegala on the 28th July 2017. More than 25 members participated for the meeting.

### 2.23 9th EXCO Meeting

The above meeting was conducted at the Awanhala, Dhambulla Raod, Kurunegala on the 24th August 2017. More than 25 members participated the meeting followed by a fellowship dinner.

## 3. Up Coming Events up to 4th Quarter of the term 2016/2017

| S/N | Date<br>Month    | Event  | Attended by<br>Presented by                       | Venue  | Time                  |
|-----|------------------|--|---|--|-----------------------|
| 1   | 03-09-17         | "B" Paper examination of Professional Review   | Coordinator of IESL and EXCO team of IESL Wayamba | Wayamba Royal College, Puttalam Road, Kurunegala | 10 00 a m to 1 00 p m |
| 2   | 09-09-17         | Evaluation contest for JIY competition for NWP | Evaluators of IESL, JIY and team of EXCO Wayamba  | Wayamba Royal College, Puttalam Road, Kurunegala | 9.00 a m to 1 00 p m  |
| 3   | 15-09-17         | Social Event "Sumuyuru Dehana"                 | Leeriest Dhammika Bandara                         | Hotel Vinola, Elawaththa Pedesa, Kurunegala      | 6 30 p m onwards      |
| 4   | 29-09-17         | 10th EXCO Meeting                              | Members of EXCO                                   | Kurunegala                                       | 6.00 p m 7 00 p m     |
| 5   | 13, 14, 15-10-17 | Participation at TECHNO                        | IESL Wayamba                                      | BMICH, Colombo 07                                | 10 00 am to 10 00 p m |
| 6   | 27-10-17         | 11th EXCO meeting                              | Members of EXCO                                   | Galgamuwa  | 6.30 p m 7 30 p m     |
| 7   | 10-11-17         | 12th EXCO meeting                              | Members of EXCO                                   | Kurunegala                                       | 6.00 p m 7 00 p m     |

## 4 Audited Finance Accounts

Audited Accounts of IESL Wayamba chapter for the finance year starting from 1st January 2016 to 31st December 2016 submitted to finance department of IESL Head Quarters on 1st April 2017.

(Reported by Eng. Kapila Weerasooriya, Chairman, IESL Wayamba Chapter)

## OVERSEAS CHAPTERS - 2016 / 2017

### IESL NSW Chapter

In the modern globalised environment, engineering has become the enabler for every aspect of our day to day life. From modern infrastructure to advanced medical treatments, different disciplines of engineering are playing the vital role of converting scientific achievements to real life solutions. Therefore engineers are required to constantly update their knowledge and skills to live up to the challenges of the modern world. As professional engineers, we have a tremendous potential to make a difference in many people's lives.

IESL New South Wales Chapter targets unleashing that potential to make a positive contribution to the humanity through its involvement with Sri Lanka as well as Engineering Institutions in Australia. In achieving our objectives, we have progressed well in our annual program with organising public lectures, Young Engineers day, Engineers Family night, Annual Engineering Convention and upcoming events such as Industrial visits. In addition to the scheduled program, IESL NSW Chapter has achieved a major milestone in establishing mutual recognition process of Chartered Engineers status between Engineers Australia and IESL. This year we sponsored and facilitated a group of students of Sri Lankan origin studying in the University of New South Wales to work in North Central province in Sri Lanka to help victims of water contamination problem.

From 2009, after the IESL NSW Chapter was established as the first overseas Chapter of the Institution of Engineers Sri Lanka, there are three other overseas Chapters in operation now thus expanding the reach of IESL around the world. It is encouraging to see the enthusiasm and the activities of overseas Chapters in organising events and actively taking part in IESL activities. Now it is the appropriate time to consolidate the activities of overseas chapters and consider forming a proper framework to govern them in a more coordinated manner. We can expect more overseas Chapters to be formed in the near future where a standard governing structure would become essential to provide IESL HQ oversight. The operating model, administrative and reporting structure needs to be established properly to ensure the smooth operation of Chapters. Although there was a time we had better communication via monthly conference calls and frequent correspondence with the IESL head office, it is regrettable that such collaboration and a constant dialogue has reduced to a very minimum level now. Although there were a number of initiatives to strengthen the operations of overseas chapters and formalising the operational matters was discussed with the President of IESL when he was in Australia recently attending our annual convention, no real progress can be observed.

If proper systems are established, they are likely to be followed immaterial of who happens to be office bearers who change from time to time.

Sri Lanka as an emerging nation, has a great potential to become one of the leading countries in the world in technological advancement, economic growth and high living standards. Unfortunately not only the general public, but also our professionals are yet to realise this potential due to opportunistic politics and lack of vision for such future.

In accomplishing this golden opportunity of being a fully developed country in the world, the wealth of experience and knowledge of expatriate Sri Lankan professionals would be an invaluable asset. In that context, Institution of Engineers Sri Lanka has to strengthen its collaboration with overseas chapters to capitalise the opportunity to reach the world and help building the nation for the benefit of future generations.

We sincerely believe that IESL will strengthen the relationship with its overseas chapters and establish a proper framework to communicate with overseas chapters in coming years.

(Reported by Eng. Dayantha Jayarathna, Chair- IESL NSW Chapter)

## **IESL Queensland Chapter**

### **1. Historical Background**

It is with a great pleasure that I present the IESL Queensland Chapter report for the year 2016/17. The idea of setting up an IESL Chapter in Queensland emerged at a get together, in Brisbane on 22 January 2015, where a group of senior engineers from Queensland met Dr S B Wijekoon who was then President of IESL (2014/15). The consensus at the meeting was to examine this prospect positively and enthusiastically. Consequent to the meeting, the IESL Council approved the establishment of a working group under my Chair to complete the ground work. I wish to place on record our gratitude to Dr Wijekoon for his strategic initiative and for setting the ball rolling. The working group did a fantastic job in rallying round engineers of Sri Lankan origin in Queensland with the goal of setting up a Chapter and obtaining the formal approvals from the IESL as well as from the statutory authorities in Queensland. We registered the Chapter as an incorporated association with Fair Trading Queensland on 7 December 2016. The Queensland Chapter was formally recognised by the IESL Colombo on 6 January 2017 and the journey has begun from the following first elected management committee:

#### **Inaugural Management Committee**

| <b>Position</b>   | <b>Name</b>              |
|-------------------|--------------------------|
| President         | • Jayantha Wickramatunga |
| Vice President    | • Prebaharan Nadarajah   |
| Secretary         | • Ajith Wickramartne     |
| Treasurer         | • Senarath Weerakoon     |
| Editor            | • Asoka Tittagala        |
| Committee Members | • Kesawan Sivakumar      |
|                   | • Chandramali Pathigoda  |
|                   | • Sharmil Markar         |
|                   | • Michelle Fernando      |
|                   | • Abdul Ziyath           |

Five sub committees are operating under powers delegated by the management committee. These sub committees are Continuing Professional Development (CPD), Membership, Social, Information and Communication Technology (ICT) and Editorial Board. It is a pleasure to report that seven management committee meetings were held during the last eight months of its operation.

### **2. Activities During 2016/17**

The following is snapshot of our activities which we have been completed since its inception:



## **2.1 Continuing Professional Development**

The CPD Sub Committee conducted its inaugural CPD event on 25 June 2017 in Brisbane. The topic was 'Riverside Expressway Major Rehabilitation: Challenges and Opportunities'. The Co-Presenters were Eng Mallika Dayananda and Eng Gamini Siriwardana. The event was well attended by engineers who had an opportunity to network amongst peers in the social gathering that followed.

The second CPD event was held on 24 September 2017 in Brisbane. The topic was 'Medical Diagnosis through Smart Phone Applications'. The Presenter was Dr Udantha Abeyratne, Associate Professor at the University of Queensland. The event was promoted via community radio, newsletters and emails. The registration was managed by 'Eventbrite' and the event was another successful storey.

## **2.2 Membership Drive**

At present the Chapter has 39 members. A membership drive has been launched by the Membership Sub Committee to attract engineers to the Chapter.

## **2.3 Information and Communication Technology Projects**

The Chapter has now its own website ([www.ieslqld.org](http://www.ieslqld.org)) and it was unveiled to public on 24 September 2017 at the second CPD event in Brisbane. As part of the website, the ICT Sub Committee has generated position based emails to Chapter officials and arrangements have been made for archiving documents using technology with appropriate security.

The Chapter has established a 'Data Base' of Queensland engineers. The expectation is that it will soon contain details of more than 150 Sri Lankan engineers living in Queensland. This is a tool to target new members to the IESL/Chapter.

## **2.4 Newsletter**

The Editorial Board released its first e-newsletter in April 2017. The next issue is about to be released soon. The e-newsletter reaches more than 100 Sri Lankan engineers living in Queensland.

## **2.5 Social Events**

In early 2016, the Chapter organised a BBQ in Brisbane while it was being formed and it was attended by 80 people comprising of engineers and their families. This provided a fantastic networking opportunity. The Social Sub Committee has now organised a raffle to raise funds for the Chapter and this will be conducted as per Queensland Government's Charitable and No-Profit Gaming Act of 1999. The raffle will be drawn on 22 October 2017 in Brisbane and Chapter has invited members, well-wishers and raffle sponsors to attend the event. It is going to be the first networking event after the incorporation.

## **3. Appreciation**

I sincerely thank Eng S.B. Wijekoon for his contribution as outlined above, Eng Wimala Gamage, President IESL (2015/16) who worked closely with us and assisted us in numerous ways to finalise the establishment of the Chapter and to the Council for its favourable consideration and approvals granted. Our appreciation and gratitude are also extended to Eng Jayavilal Meegoda, the current President of IESL, the former CEO/ Executive Secretary, the acting CEO/Executive Secretary and IESL staff for their ongoing support which we value a lot. We can now be proud of what we have achieved together in the IESL family.

## **IESL Western Australia Chapter**

IESL WA Chapter completed another successful year by continuing professional development activities for the benefit of engineers of Sri Lankan origin living in Western Australia and the engineering community in general. There were three CPD events in total including 2 field visits, 2 workshops and 8 technical presentations were conducted during the year. Its main social event, Engineers Night 2017 was successfully held in early June with participation more than 250 participants. A summary of chapter activities are as follows.

### **Annual General Meeting – September 2016**



Third annual general meeting of The Institution of Engineers Sri Lanka-WA Chapter Inc. was held at 1.00pm on Saturday 10th September 2016 at Willetton Pavilion, Willetton WA 6155 and attended by 29 chapter members. Prior to AGM a engineers' family BBQ was held at the same venue. Eng. Nimal Jayaratne, President and Eng. Bandula Samarasinghe, Secretary jointly presented chapter's annual report for 2015/16 financial year. Eng. Srintath Fernand presented audited financial report for the same financial year and attendees unanimously approved the both reports. The founding President of the chapter Eng. Remy Jayasekare was elected as pro term chairman to manage the election of new office bearers. He also commented on his satisfaction of direction the chapter is heading for and contribution made to professional development of engineers of Sri Lankan origin living in Western Australia.

All office bearers headed by President– Sisira Kantha and team members whom names are given below were elected unanimously. Mr Soma Megahage was reelected as the Honorary Auditor while Mr Kithsiri Jayanath, Eng Ajith Mathota and Eng Dr Palitha Weilgama were appointed as the Appeal Committee members for year 2016/17. Mr Chirantha Weerawardena, Vice President explained the previous committee's decision to appoint an Advisory Subcommittee consists of ex office bearers of the chapter to provide guidance and support to the chapter activities. Finally, President Eng. Sisira Kantha thanked the attendees for placing confidence on him and the new committee and undertook to bring the chapter forward.

### **IESL WA Chapter-Office Bearers & Committee Members elected at AGM, Sept 2016**

|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| President:         | Eng. Sisira Kantha         | Committee members: | Rajeewa Silva       |
| Vice President:    | Chirantha weerawardena     |                    | Malkanthi Tennakoon |
| Secretary:         | Eng Mithrapala Mudiyansele |                    | Chinthana Rajapakse |
| Treasurer:         | Dumal Kannangara           |                    | Ajitha Fernando     |
| Editor:            | Dr. Dilan Amarasinghe      |                    | Kishan Dias         |
| Committee members: | Dr. Sumedha Rajakaruna     |                    | Ranil Liyanage      |
|                    | Eng Ravi Samarasinghe      |                    | Nalinda Gunawardena |

We have had a number of exiting presentations and workshops organised by IESL WA subcommittees that created much interest in our members as well as non-member colleagues. It has been a great success thus far. All our monthly lectures took place in North Metropolitan TAFE at Northbridge. Attendance at one of our presentations is equivalent to 1.5 CPD hours and all attendees were issued a certificate of attendance for each event.

### **June 2016 — Site Visit to Green Electric Energy Park (GEEP) at Curtin University Hosted by Dr. Sumedha Rajakaruna**

**Dr. Sumedha Rajakaruna**, who is a Associate Professor in the Department of Electrical and Computer Engineering at Curtin University, hosted IESL WA members to provide an overview of the GEEP facility at the Bentley campus of Curtin University. Dr. Rajakaruna, conceptual designer of the facility, explained the thinking behind the establishment of GEEP and how it facilitate both teaching and research. Also he explained the functional overview of the facility to an eager audience from wide ranging engineering disciplines.



### **September 2016 — Urban Hydrology: Challenges and Opportunities: Overview of Applied Research Methods by Dr. Rajan Sarukkalige**

**Dr. Rajan Sarukkalige**, who is a Senior Lecturer in the Department of Civil Engineering at Curtin University and the postgraduate coordinator in Civil Engineering at Curtin University, delivered a presentation on applied research methods in urban hydrology.

The presentation covered the overview of comprehensive research methods in urban hydrology and research based knowledge contribution towards sustainable management of urban water including following topics such as; impacts of urbanization on stormwater, hydrological modelling of urban drainage systems, sustainable stormwater management, stormwater quality: assessment and improvement techniques

### **October 2016 — Machinery Diagnostics Using Condition Monitoring Techniques by Ravi Samarasinghe**

**Ravi Samarasinghe**, currently a reliability engineer with SWB reliability services Pty Ltd (subsidiary of Statewide Bearings) in Perth delivered a workshop on diagnostics methods for machinery condition monitoring. Ravi is specialising in condition monitoring with a strong emphasis on vibration analysis.

Workshop covered some key maintenance practices and introduce condition monitoring techniques with strong emphasis on the vibration analysis and predictive maintenance approaches such as; vibration analysis techniques to diagnose machinery health, trend analysis technique, oil analysis, thermography, lubrication testing methods. This workshop concluded with an on site demonstration of Oneprod and Fixture laser equipment, balancing and laser alignment.

## October 2016 — The Good, The Bad and The Ugly of Resource Projects by Kapila Karunaratne

**Kapila Karunaratne** is the General Manager Technical at Mitsubishi Development Pty Ltd (subsidiary of Mitsubishi Corporation, Japan). He has previously held numerous senior mining positions in mining industry in Canada, Australia, and Sri Lanka.

Kapila shared new research by EY, despite significant cost cutting in resource sector, multibillion dollar projects were still plagued by cost and schedule overruns. He analysed the cause and effect of project performance, highlighting the key areas that contribute to most successful and unsuccessful outcomes. The presentation was very well received by a wide ranging audience, possibly the largest in our IESL WA lecture series.

## November 2016 — Protecting Power Systems in 21st Century by Dr. Dilan Amarasinghe

**Dr. Dilan Amarasinghe** delivered a timely presentation on an traditional topic in electrical power engineering with new challenges posed by decentralizing of the grid and rapid developments in renewable energy. He has graduated from University of Moratuwa and is currently working as a Protection Engineer at Western Power.

During this presentation the importance and functional requirements of modern protection schemes were discussed with an introduction to the complex infrastructure that provides protection schemes will be presented with examples. The new trends in power system protection that is enabled by new technology as well as rapid deployment of decentralized renewable energy sources were presented.

## November 2016 — CV Writing and Interview Skills Workshop by Continued Professional Development Sub-committee of IESL WA

**Continued Professional Development Sub-committee** organized a very successful workshop on CV writing and interview skills development workshop. This workshop broke the traditional seminar type skills development workshops style by introducing a new format based real life job application process. A panel of technical and human resources experts then evaluate and provide feedback on the submitted CV. Also the participants went through mock interviews with panel of four experts on the their application to the advertised position which, gave them feedback on their interview skills and areas where they can develop. This format was extremely successful with all participants providing positive feedback and willing recommend to their friends if held in coming years.



## **February 2017 — Intelligent Transportation System for Congestion Management by Kamal Weeratunga**

**Kamal Weeratunga** who works as Network Operations Planning Manager at Main Roads WA, delivered a presentation on intelligent transportation systems and their applications to congestion management. He has been with Main Roads for over 19 years and previously worked in Asset Management, Road Safety, Program Management and Traffic Planning including five years in the Regions.

Intelligent Transport Systems (ITS) provide effective tools for road managers to monitor and control traffic in real time. Kamal explained how techniques such as freeway ramp signals are used to delay or avoid traffic flow breakdown and build-up of congestion, while real-time traffic and road condition information provided to road users via multiple platforms enable them to make informed travel decisions. He also explained how road agencies are preparing for safe introduction of Automated Vehicles on to their road networks, while looking forward to the opportunities they bring for improving road safety and congestion, in addition to many other mobility, environmental and societal outcomes.

## **February 2017 — Field Visit to Fortescue Metal Group Integrated Operation Centre Hosted by Chirantha Weerawardena**

**Chirantha Weerawardena** hosted IESL WA members at the FMG Integrated Operations Centre. Fortescue Metals Group is a global leader in the iron ore industry, recognised for its culture, innovation and industry-leading development of world class infrastructure and mining assets in the Pilbara, Western Australia. Fortescue Metals Group controls its rail system located more than 1000km away in Pilbara from Fortescue Centre, East Perth since 2009. Since then Fortescue Metal Group has expanded its IOC to control mining haul truck operations, ore processing facility control, train loading and unloading and ship loading circuit from Perth. This field visit provided an rare opportunity for IESL WA members to see first hand how and advanced remote operations function. Mt Kent Lee, Operations Planning Superintendent provided an overview of company operations.

## **March 2017 — Driveless Trucks: Implementation of Autonomous Haulage System at FMG Solomon Mine Operations by Keith Balharrie**

**Keith Balharrie** Manager, Autonomous Mining Systems-Fortescue Metal Group Ltd. Keith joined Fortescue Metals Group in 2011 as Operational Readiness Manager for the Solomon Project. Among his long list of accomplishments at FMG, is the deployment of the CAT Autonomous Haulage System (AHS) at Solomon over the past 4 years.

Keith explained the journey of deployment of Autonomous Haulage System (AHS) in Fortescue including the key learnings involving people, process and technology. He also highlighted the relationship with the Original Equipment Manufacturer and involvement of the Department Minerals and petroleum and mining regulator.





### **March 2017 — Field Visit to Mainroads Western Australia Traffic Operations Centre Hosted by Malkanthi Tennakoon**

**Malkanthi Tennakoon**, Engineer, Main Roads WA hosted IESL WA members to give an overview of traffic operation control in WA. This event was cordially supported by Bob Manhood, Bernie Dimanlig and John Venables of Main Roads, WA. The participants had a unique opportunity to hear from Mainroads experts on how they monitor and manage traffic on the road network 24 hours per day.



### **May 2017 — Application of 3D Laser Scanning Technology for API Storage Tank Inspections by Rasika Dassanayake**



**Rasika Dassanayake** B.Sc. Eng. (SL), MBA (Aust), MIEAustMechanical Engineer/Tank Inspector at MDR Certification Engineers delivered lecture on use of advanced methods of storage tank inspections. Rasika elaborated the importance of spatial inspections to detect tilt, differential settlement, and deformation are an important part of tank construction and sustained, reliable operations.

His presentation included an overview of API storage tank inspection and applicability of 3D laser scanning and covered following areas; introduction to 3D laser scanning, comparison of conventional calculations vs computerized program output and accuracy, applicability and limitations of 3D scanning in storage

tank inspection in various applications.

### **June 2017 — Grid Integration of Electric Vehicles by Professor Udaya K. Madawala**

Prof. Udaya K. Madawala at the Department of Electrical & Computer Engineering, The University of Auckland, New Zealand delivered a lecture on Grid Integration of Electric Vehicles at Bentley Campus of Curtin University. The lecture presented an overview of the current research on the topic, followed by a discussion on the trends and latest advances in grid integration of EVs. Wired and wireless solutions, proposed for grid integration of EVs, were presented while highlighting the challenges and future directions.

## Engineers' Night 2017

Engineers Night 2017 organised by IESL-WA Chapter was held on Saturday the 17th June 2017 at The Mills Park Centre in Beckenham. This event marked the third anniversary of IESLWA Chapter and celebrated its achievements over the past three years. As in the previous three years this event will be attended by over 250 people mostly engineers including engineers holding very senior positions in WA industry and academia.

The keynote address delivered by **Mr Brett Belstead, Director-Regional Operations, Main Roads WA**, was among key features of the event. A Sri Lankan band from Perth provided music for the event and a professional team of dancers entertained the attendees. It was a very successful event with lot of positive feedback on food, venue and organization were received from the attendees among them substantial number of Australian engineers were present. Nu Dream Homes Pty Ltd, Taxcount Tax Accountants and CCR Hose & Fittings were main sponsors of the event. More than 20 other organizations and businesses provided sponsorship to Engineers' Night 2017.



## **August 2017 — My Experience with Root Cause Analysis**

### **by Jay Menon**

**Eng. Jay Menon**, MBA, Certified Reliability Leader Reliability Superintendent, BP Refinery (Kwinana) delivered a lecture that provided insight into the world of Root Cause Analysis (RCA). Jay is an experience of a practitioner who has been doing RCA for the past 15 years. RCA has been practised in some form or other and has come a long way in helping industry identify root cause(s) and fix issues to prevent incidents from happening. Compare conventional approach to a Root cause versus Cause mapping and look at how root causes identification can be used to prevent the incident from happening. Jay explained how to learn what works and what does not and utilise the knowledge to transfer the learning to your organisation. Understand why RCA process fails in many organisations and why it is unsustainable even after adequate training.

### **IESL WA Chapter-Office Bearers & Committee Members as in June 2017**

Eng Sisira Kantha resigned from the post of President in early January 2017 due to his interstate relocation. The committee then elected Chirantha Weerawardena as the President and Dr. Sumedha Rajakaruna as Vice President. In addition to that three casual vacancies of committee was filled by the committee during the year.



|                    |                            |                    |                     |
|--------------------|----------------------------|--------------------|---------------------|
| President:         | Chirantha weerawardena     | Committee members: | Rajeewa Silva       |
| Vice President:    | Dr. Sumedha Rajakaruna     |                    | Malkanthi Tennakoon |
| Secretary:         | Eng Mithrapala Mudiyansele |                    | Chinthana Rajapakse |
| Treasurer:         | Dumal Kannangara           |                    | Ajitha Fernando     |
| Editor:            | Dr. Dilan Amarasinghe      |                    | Kumudini Mathota    |
| Committee members: | Eng Ravi Samarasinghe      |                    | Ranil Liyanage      |
|                    | Ruchira Wijesinghe         |                    | Chandana Kulasuriya |



## September 2017 — Basics of Electrical Earthing and related issues by Don Tissa Wijayasinghe

**Eng. Don Tissa Wijayasinghe**, BSc Eng, MEngSc, MBA, MIE(SL) CEng; MIEAust CPEng NER; MIEEE delivered an informative lecture on earthing systems in electrical power systems. Electrical safety naturally plays a highly critical role that is enforced both ethically and legally but at times unwisely overlooked. This is especially true with the current extensive utilisation of electricity, may it be for domestic, commercial or industrial purposes. Knowledge of Electrical Earthing is the foundation for the development of secure and safe electrical systems and practises. Hence a proper understanding of the basics of electrical earthing is a must for Electrical Engineers and would also be of immense help to Engineers and para professional of any engineering discipline. The study of Electrical Earthing embraces all important facets of Electrical Engineering such as design, operation and maintenance of electrical systems. Coupled with lightning protection, electrical earthing plays a significant role in civil structures and mechanical & chemical plants. Tissa presented an introduction to this vast topic of Electrical Earthing to discuss the reasons for having a sound earthing system, as well as the consequences for ignoring the requirements. His lecture covered the basic mechanics of the earthing process and it therefore was very well received by junior engineers from the industry.



## 10 September 2017 — Annual General Meeting 2017 and Engineers' Family BBQ

The annual general meeting of **The Institution of Engineers, Sri Lanka WA Chapter** has been scheduled to be held at Willetton Sport Pavilion at 2.00pm on Sunday 10th September 2017. During AGM, the chapter president Eng Chirantha Weerawardena will present its annual progress report to general membership. The treasurer will present the audited annual accounts to AGM for approval. There would be a short session to discuss about future direction of the chapter and coming year's priorities. The meeting is scheduled to be concluded at 3.30pm after electing office bearers, the committee members, the appeal committee and Hon Auditor.

**Annual Family BBQ** for engineers and their family members will be held from 12.30pm-2.00pm prior to AGM and more than 100 people are expected to attend. BBQ is one of the most important Australian social functions where engineers and family members will have an opportunity to introduce each other while having lunch and build up relationships beyond professional activities.

## Upcoming IESL WA Events

| Date         | Sub-Committee | Topic/Event                                       | Presenter/Host  |
|--------------|---------------|---|---|
| 2nd Oct 2017 | Mining Eng    | Future of Mine Surveying- UAVs (Drones) in Action | <b>Natacha Aguilera</b> , BSc Senior Mine Surveyor, Fortescue Metal Group Ltd |

(Reported by Chirantha Weerawardena, President, IESL Western Australia Chapter)

## **IESL Qatar Chapter**

The past year has been a challenging & happening event for IESL Qatar Chapter with full of events and visible progress throughout the year.

### **1) 2016/2017-AGM**

Institution of Engineer, Sri Lanka – Qatar Chapter conducted its 3rd Annual General meeting on November 11, 2016 at Mercure Grand Hotel, Doha with the participation of Sri Lankan Engineers who are working in Qatar.

Eng. Jayavilal Meegoda, President of Institution of Engineer, Sri Lanka (IESL) participated to the event as the Chief Guest.

### **Elected office bearers of the Qatar Chapter for the session 2016/2017**

Eng. Jagath Gunasekara was appointed as the Chairman Eng. Kamil Ariff was appointed as Vice Chairman. Eng. Prabuddha Lokuliyanage, Eng. Balasubramaniam Mathivannan, Eng. Ashoka Jayalath were appointed as Secretary, Editor and Treasure respectively and in the meantime, Eng. Prasanna Janakasiri, Eng. Chanaka Guruge, Eng. Mohamed Rajas, Eng. Amila Mapa, Eng. Nadeera Wijesinghe were appointed as committee members for the 2016/2017 session of the chapter.



2016/2017 – IESL Qatar Chapter EXCO Members



IESL Qatar Chapter Engineers – AGM Participation group photo

## **2) Annual Bowling Event**

On Friday, 30 December 2016 IESL Qatar Chapter successfully hosted its annual Bowling Event at Qatar Bowling Centre. Large number of Sri Lankan engineers working in Qatar, Dubai and Oman along with their families took parts this event.

## **3) CPD's of the year 2016/2017**

During the year following CPD secessions have been successfully conducted by IESL Qatar Chapter

3.1) Structural Concrete Design for four Storied Building by CEng. Geethananda de Siva.

3.2) Introduction to Metro Rail by CEng. Shantha weerasinghe 3.1) Structural Concrete Design for four Storied Building by CEng. Geethananda de Siva.

3.3) Vertical Transportation System by ETA MELCO Elevators Co. WLL Doha

3.4) Toastmaster Club Demonstration for Sri Lankan Engineers

## **4) Participation of Qatar New Year Festival**

IESL Qatar Chapter members actively participated the New Year festival held on Al Saad Sports Club, Qatar.



## **5) Sri Lankan Flood Relief Program**

IESL Qatar Chapter donated half a million rupees worth of school materials to provide support to three Sri Lankan schools affected by the recent floods and landslides that have caused devastation in Sri Lanka.

All IESL Qatar Chapter engineers generously contributed their hard earn income for this humanitarian projects.

### **5.1) Donation Project # 01**

**School Name:** Godapitiya (Poruwa) Sadath Maha Vidyalaya, Godapitiya, Mathara

**Donated items:** 1). Library Cupboards -5 Nos  
2). Office Cupboards - 6 Nos

**IESL Qatar Chapter Representative:** Eng. Kamil Arif

### 5.2) Donation Project # 02

**School Name:** Pallekada Vidyalaya, Pallekada, Ayagama

**Donated items:** 1). Desktop Computer  
2). Library books & much needed items for library

**IESL Qatar Chapter Representative:** Eng. Prasanna Janakasiri Eng. Nadeera Wijesinghe



School children with their class teachers

### 5.3) Donation Project # 03

**School Name:** Kithalagama East Junior School- Mulatiyana, Matara

**Donated items:** 1) Musical instruments 10 Numbers.  
2) Photocopy Machine - 1 Nos

**Approximate value:** 200,000.00 Rs

**IESL Qatar Chapter Representative:** Eng. Prasanna Janakasiri, Eng. Asoka Jayalath

### 6) IESL President (Elect) Professor Niranjanie Ratnayake's Visit to Qatar

IESL President (Elect) Professor Niranjanie Ratnayake arrived Qatar on 02, September 2017 to conduct the Chartered engineering professional review B paper Exam.

At Hamad International Airport, Doha Qatar Professor Niranjanie Ratnayake received warm welcome from IESL Qatar Chapter representatives.





## **7) Professional Review 'B' Paper Examination: IESL Qatar Chapter**

The IESL Qatar Chapter (IESLQ) has successfully conducted the 'B' Paper Examination in Doha-Qatar for second time on 3rd September, 2017 at the Hotel Mercure Grand in the capital city Doha. 21 engineers who are currently working in various Qatar organizations sat for the exam

As per the IESL guidelines, IESLQ chapter Senior Engineers conducted B Paper preparation classes continuously on each Friday during past few months at Stafford Sri Lankan School, Qatar.

The Qatar Chapter is the only branch of the IESL in the Middle East region and for the first time the 'B' Paper was conducted in September, 2016. Last year, 30 engineers sat for the exam and out of that 27 engineers successfully passed the exam. This was the highest passed percentage figure recorded in any examination center in year 2016.



IESL President (Elect) – Prof. Niranjanie Rathnayake and B Paper Candidates

## **8) Articles to SLEN**

The members of IESL Qatar Chapter together with the EXCO of the chapter actively engaged in writing to SLEN with regard to the current progress of the chapter as well as the opinions/views about the situations/issues having a national level interest. Also some of these articles to SLEN from members were based on specific engineering applications related to middle east.

## **YOUNG MEMBERS' SECTION (2016/2017)**

| <b>Position</b>         | <b>Name</b>                            | <b>IESL No</b> |
|-------------------------|--|----------------|
| Advisor                 | Eng.Jayavilal Meegoda , President IESL |                |
| Chairman                | Eng. H.D.B.P Herath                    | M 6923         |
| Vice chairman           | Eng. B I Perera                        | M 7217         |
| Secretary               | Eng. U.O.G.S. Wijesinghe               | AM 11800       |
| Treasurer               | Eng. J.G.D.S. de Silva                 | AM 16832       |
| Deputy Secretary        | Eng Vindya Wickramarachchi             | AM 14534       |
| Editor                  | Eng. Kayathri Vinayagamoorthy          | AM 17494       |
| Head of Web editor team | Eng. R.M.T.O Rajapakshe                | AM 15132       |

### **INTRODUCTION**

The Young Members' Section (YMS) of IESL consists of all the student members, all the corporate members below 35 years of age & all the non-corporate members below 35 years of age.

The theme for the year was the famous saying "ask not what your country can do for you, ask what you can do for your country" by former President USA, John F. Kennedy.

### **YMS EVENTS**

YMS committee with the guidance of the President IESL has launched many events this year.

1. Inauguration of YMS Committee 2016/17 at IESL on 28/11/2016
2. IESL Annual Cricket Fiesta 2017 on 18/02/2017
3. YMS CSR Project on 17/06/ 2017
4. Launching IESL Student Chapters
5. IESL Day & Membership Drive Program
  - a. IESL Day Engineering Faculty of South Eastern University on 22/04/2017
  - b. IESL Day Engineering Faculty of Moratuwa University on 06/05/2017
  - c. IESL Day Engineering Faculty of Peradeniya University
  - d. IESL Day Engineering Faculty of Jaffna University on 11/02/2017
  - e. IESL Day Engineering Faculty of Sri Jayewardenepura University on 25/03/2017
  - f. IESL Day Engineering Faculty of Ruhuna University on 10/06/17
6. 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-UTE Raspberry Pi Competition Launching Ceremony
  - g. IESL- INSEE Concrete Mix Challenge Launching Ceremony

7. Engineers Night Sponsored by UltraTECH Cement
8. Meet the IESL President

Upcoming events:

1. Field Visit to Lotus Tower Project
2. Field Visit to Moragahakanda project
3. Field Visit to Broadlands project
4. AGM of IESL YMS Committee

IESL YMS this year managed to secure staggering amount as sponsorships for the events organized and it was immense team work. For the first time in history of IESL, there was a Cricket Match organized where all members were given opportunity to participate under respective committees, chapters which they belong. Free Lunch was given for all the members and tshirts were given to all the teams where close to 20 teams all most all chapters and committee took part in this gigantic event.

#### **1. Inauguration of YMS Committee 2016/17 at IESL**

Event held with over 80 participants ranging from industry engineers, engineering faculties undergraduates on 27th November 2016. There were presentations conducted by Eng. J. Meegoda-President IESL on the topic of “Engineer in the Society & IESL” and by Eng. N. Kamaladasa on the topic of “Communication for Young Engineers”. Evening session was chaired by Chairman (YMS). Student members presented their projects and requirements for YMS 2016/2017 session.

#### **2. IESL Annual Cricket Fiesta 2017**

The cricket tournament organized by Young Members’ Section for the IESL Members and University Students was successfully held on Saturday, 18th February 2017 at Thurston ground. 22 teams competed representing Sectional committees, Provincial chapters & Universities and the total participation was around 400. Matches were conducted in two categories namely ‘Members Category’ & ‘University Category’. Mech Master Blasters won the final, becoming the Champions of IESL Presidents Challenge Trophy and under undergraduate category was won by University of Peradeniya. Despite of wins & losses, all the members were happy about having such a wonderful event and congratulate Young Members Section for organizing the event. Further it was suggested by Eng. Jayavilal Meegoda that this initiative should be continued every year. Winning Teams were offered CPD Course scholarships in order to promote member engagement with IESL. Free T-shirts were given to all the teams. Finances were raised by the sponsorships which were collected by YMS members. Total cost of the event was Rs.1,084,723 & the committee raised Rs 1,160,000 from sponsorships. Even though the event was not a fund raiser, there was a revenue of Rs.75,000.00 to IESL from the event.



### 3. YMS CSR Project

Launching a CSR Project by YMS is also a new concept. Idea was brought forward by YMS members after the catastrophic flood and land slide in Bulathsinghala area on May~June 2017.

The committee decided to restore the flood affected Electrical Installation of Welgama Kanishta Vidyalaya, Mahagama, Bulathsinhala. The event took place on 8th & 17th June 2017. The total cost of the project was around Rs.60,000.00 and the committee members shared the total cost among themselves.

### 4. Launching IESL Student Chapters

YMS committee succeeded in installing IESL student chapters in engineering faculties at University of Jaffna, South Eastern University of Sri Lanka and University of Sri Jayawardenepura.

Student chapters of University of Peradeniya, University of Moratuwa, University of Ruhuna & Open University of Sri Lanka were already installed few years back.

### 5. IESL Day & Membership Drive Program

IESL Day is a new event introduced to the YMS calendar. Each IESL Student Chapter has to conduct an IESL Day in their respective Universities. Main purposes of introducing IESL Day is to build-up the awareness of IESL among undergraduates & to provide a platform for the student members to develop their soft skills.

IESL day consists of technical sessions, soft skills building programs, games, project presentations and talks. In parallel with IESL Day, IESL organized membership drive programs in each universities for student members.

IESL student chapters had to seek sponsorships for their IESL days. IESL sponsored T-shirts only for current student members of the respective University.

It was observed that a great number of students were participating in IESL events. The committee strongly believes that, this was due to the IESL Days & membership drive programs held in each University.

#### a. IESL Day Engineering Faculty of South Eastern University

The IESL Day event was successfully conducted at the Faculty of Engineering, South Eastern University of Sri Lanka. The IESL President Eng. Jayavilal Meegoda graced the event as the Chief Guest, Provincial Director of RDA Eng. ALM. Nizar, AGM of NWSDB, Trincomalee Eng. N.Sudesan, Chairman of the Hairu Group of Companies Eng. ZM. Hairu, YMS Chairman Eng. Dayan Herath,



took part in the technical session as guests and resource personnel. Dean faculty of engineering, Heads of Departments and students from all 3 departments participated in the event. Main objective of the event is to bridge undergraduates with the industry. A Research Project Poster Presentation by the final year students, and several competitions named “CAD Master”, “Circuit Designing Competition”, “Spaghetti Bridge Competition” were also conducted in parallel to the event and winners were awarded.

#### **b. IESL Day Engineering Faculty of Moratuwa University**

The event was conducted successfully at the Faculty of Engineering, University of Moratuwa, Sri Lanka. The President IESL Eng. Jayavilal Meegoda graced the event as the Chief Guest. DVC Prof. Rahula Attalage, President Elect IESL Prof. Mrs. N. Rathnayaka, Dean Prof. K. K. C. K. Perera, Former CEB Chairman Eng. Anura Wijeyapala, Eng. T. S. Godakubura (AGM of CDL PLC), Dr. Jagath Manathunga and Dr. Mahesh Jayaweera (Senior Lecturers of Civil Engineering), Mr. Manju Gunawardena (Research Scientist SLINTEC) & Chairman YMS Eng. Dayan Herath, took part in the session as guests and resource personnel. Also the Committee members from other state Engineering faculties in Sri Lanka and Undergraduates from all departments of the engineering faculty participated in the event.

IESL day focused on addressing importance of IESL for the undergraduates, how to develop professional career after graduation, current issues faced by industry related to engineering, improvements of soft skills among undergraduate. Valuable feedbacks were gathered during the technical Session. The afternoon session was based on soft skill development activities and poster presentations. Best teams were selected by panel of judges and Rewarded.



#### **c. IESL Day Engineering Faculty of Peradeniya University**

The event was organized by the IESL Student Chapter, University of Peradeniya in collaboration with Young Members’ Section of IESL. The event was held on the 19th of August in the faculty premises.

The event was conducted throughout the day, having varieties of talks and competitions in parallel with the membership drive. The occasion was graced by the presence of Eng. Jayavilal Meegoda (President, IESL), Prof. Leelananda Rajapaksha (Dean, Faculty of Engineering), Dr. L.K.B. Laksiri (Vice President, IESL), Eng. Dayan Herath (Chairman, YMS, IESL), Chairman, IESL Kandurata

Chapter and several other distinguished engineers and academic staff. As the Platinum Sponsor of the event, Melbn Metal (Pvt.) Ltd has given an immense strength in organizing this event and a technical talk was done by Eng. Karunarathne. The Art Circle of the faculty entertained the gathering with their stunning performances



#### d. IESL Day Engineering Faculty of Jaffna University

The event was organized and successfully conducted at the Faculty of Engineering, University of Jaffna. The IESL president Eng. Jayalal Meegoda graced the event as Chief Guest. The IESL Vadakin Chapter Chairman Eng. Barathithasan, the YMS Chairman Eng. Dayan Herath, Engineers R. Rajkumar, N. Nantharupan and Aloysius Santhiapillai took part in the technical session as guests and resource persons. The Dean of the faculty, Heads of Departments and students from all 4 departments participated in the event. A Research Project Poster Presentation by the final year students of the faculty was conducted in parallel to the event. Valuable feedback on implementation of the research projects, ways to improve the applications side of the projects and ideas on how to provide industrially applicable solutions in Sri Lankan context were gathered during the Poster Presentation Session.



#### e. IESL Day Engineering Faculty of Sri Jayewardenepura University

The first ever IESL day at university of SJP was held successfully on the 25th March 2017 at the Faculty premises. The IESL president Eng. Jayavilal Meegoda graced the occasion as the Chief Guest of the event. Eng. Dhananjaya Ponnampereuma, Director - Corporate Strategy and Innovation, Etisalat (Pvt) Ltd. was present as the guest speaker to the event. Eng. Dayan Herath, Chairman (IESL YMS), Eng. M.D.S. Wijebandara, representative of the IESL for the faculty consultative committee and a representative from the IESL Students' Chapter of the University of Moratuwa were also among the invitees. The Faculty was represented by the Dean of the Faculty, Heads of Departments, members of the academic staff and the first batch of its students. The students were able to identify ways and means of interacting with the IESL along with the importance of doing so. The speeches were followed by a presentation on "Being the First Batch of the Faculty of Engineering" that was delivered by the students.



#### f. IESL Day Engineering Faculty of Ruhuna University

The event was successfully conducted at the Faculty of Engineering, University of Ruhuna, Sri Lanka. Dean Dr.P.D.C. Perera as the Chief Guest, IESL President Eng. Jayavilal Meegoda graced the event as the Guest of Honor, IESL Vice President Eng. (Dr.) L.B.K.Laksiri, Chairman IESL Ruhunu Chapter Eng. Sunil Jayawardana, National Sales Manager Melbn Metal M.A.Mifraz, YMS Chairman Eng. Dayan Herath, also took part in the technical session as guests and resource personnel. The Dean of the faculty, Heads of Departments and students from all three engineering departments participated in the event on behalf of the university.

Several competitions namely CATIA designing competition, Competition by MMESS and by CEES took place in parallel to the event. The Bluetooth controlled robot competition colored the event. The sponsor for the event was Melbn Metal (Pvt.) Ltd. and conducted a Technical Session by Mr. Karunathilaka the Quality Assurance Manager of Melbn.





## **6. Techno Competitions**

YMS has been conducting 03 competitions namely Spaghetti bridge, Hackathon & CAD eager during Techno competitions for many years. However, this year the committee decided to initiate 04 new competitions in addition to those three.

IESL-UTE Raspberry Pi Competition

Insee-IESL Concrete Mix Challenge

X-O Bots Competition

DroneX Competition

Committee managed to get the Raspberry Pi Competition and Concrete Mix Challenge sponsored by UTE (Pvt) Ltd. & Insee Cement.

### **a. IESL-UTE Raspberry Pi Competition Launching Ceremony**

The IESL-UTE Raspberry Pi Challenge 2017 has entered a milestone second phase drawing record interest from undergraduates and school students. For the round one organizers have received nearly 70 entries in total and were impressed by the scale of innovation showcased. For Round two, organizers have confirmed a total of 31 teams to move onto the second stage of the challenge. Of these, 21 teams are from Undergraduates and 10 student teams have made it to the shortlist. During the next phase, teams are expected to document and record all stages of their project development and authenticate their work. Teams have also been instructed to upload a video on Youtube demonstrating the progress they have achieved.

The winners will be announced and acknowledged at the gala IESL Awards Ceremony, scheduled for November. The prestigious IESL-UTE Challenge Trophy will be presented to the Winner in addition to an attractive cash prize of Rs 250,000. Runners-Up will receive Rs 150,000 and the 2nd Runner-Up, Rs 100,000 respectively. Winners in the Students Category will receive an attractive cash prize of Rs 75,000 and a trophy, Runners-Up will receive Rs 45,000 and the 2nd Runner-Up, Rs 30,000. The winning models and prototypes will be showcased and given prominence at an exhibition booth, at the TECHNO 2017 Exhibition organised by IESL also in October.

### **b. IESL- INSEE Concrete Mix Challenge Launching Ceremony**

YMS has joined hands with INSEE to organize this years Concrete Mix Challenge. This is the 2nd time INSEE previously known as HOLCIM is joining with IESL on this scale of competition. Event launch was held successfully with the presence of Eng.J. Meegoda President IESL, as well as Management officials from INSEE.

## **7. Engineers Night Sponsored by UltraTECH Cement**

The Engineers' Night 2017 held during the 2nd week of August was a success story on its own. The intention of the event is to strengthen the fellowship among the members of the Institution and tighten bonds within the community. It also provides a great platform for Engineers of all scale and age to mingle and network which is vital to the profession. The organizing committee consists of Young members section, under the supervision of Eng.Shavi Fernando and Eng. BRO Fernando. Event was graced with closer to 500 member participation and the masters of ceremony, provided by

the courtesy of IESL Toastmasters Club. It was not just the professionals entertaining, the extremely fun games of the event, dancing competitions and raffle draws kept all party goers on the hook throughout and many were rewarded with prizes to add to the euphoria of the event. The event's sole sponsor was UltraTECH cement. IESL staff representative Mr.Malith Kannangara did a valiant job.

## **8. Meet the IESL President**

Meet the President is also a new initiative by YMS. This was initiated to meet and discuss the issues & ideas of undergraduates with the President IESL.

Several meetings convened by YMS were held at IESL with the participation of representatives of IESL Student Chapters and representatives of Engineering Faculty Student Unions.

With growing concerns over private education and the quality of state universities President chaired a meeting with engineering faculty union representatives from state engineering faculties. President IESL emphasized the fact that quality of the education is to be improved in all state universities and the academic oriented syllabi should be transformed into industry oriented syllabi and then only the quality could be improved since most of the graduan from state universities lack soft skills such as presentation, negotiation etc. President promised to raise the concerns of graduates at the University Deans meeting as well as IESL University liaison officers meeting.

E Faculty union representatives thanked the president and YMS for giving them an opportunity to raise their concerns. President suggested that YMS could be a key stakeholder in enhancing the quality of education and also to push all university courses to obtain Accreditation and recognition.

## **ACKNOWLEDGEMENT**

YMS committee would like to appreciate the support & guidance given by the President-IESL Eng. Jayavilal Meegoda.

Further, YMS would like to thank all the below well-wishers.

- President Elect Eng.(Prof.) Niranjanie ratnayake
- Past Presidents
- IESL Council
- Sectional Committee chairmen
- Provincial Chapter Chairmen
- Deans of the Faculties of Engineering
- IESL Liaison officers of the Faculties of Engineering
- IESL Members
- IESL Student Chapter Chairmen & committees
- IESL secretariat
- Sponsors

Eng. Dayan Herath  
Chairman, YMS Committee 2016/17

## **JUNIOR INVENTOR OF THE YEAR (JIY) COMMITTEE (2016/2017)**

### **COMMITTEE**

Eng. Jayavilal Meegoda – President, IESL  
Eng. H N Gunasekara – Chairman  
Eng. D M D K Dissanayaka – Secretary  
Eng. B S Samarasiri  
Eng. D M Punchibanda  
Eng. L G Samarawickrama – Late  
Eng. S A P C Siriwardane  
Eng. H D B P Herath  
Eng. D D L Wijethunga  
Eng R M T O Rajapakshe  
Eng H H D Nalin  
Eng. E S C Edirisinghe  
Eng. Dilina De Silva  
Eng. T S Rathnayaka  
Eng. W M K M Dasanayaka  
Eng. Kayaththiry Vinayagamoorthy  
Eng. DSM Sandanayake  
Eng. Rajitha Viduranga Vaas  
Mr Maduranga Karunajeewa – Coordinator

### **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 amongst the participating students, but also amongst fellow students, teachers and parents particularly in the rural areas of the country.

Preliminary judging of the applicants is done in the provinces with the help of IESL Provincial Chapters. The applicants who are successful at provincial level have been invited for the final judging which would take place in Colombo.

20 JIY winners will get the opportunity to showcase their inventions at the TECHNO exhibition.

Two of the best performing students of JIY competition are 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 planets being named after them.

### **Junior Inventor of the Year 2016/2017**

About 10,000 public and private schools were informed officially about the competition through MoE & Intel. 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 teachers and students in Wayamba, Central, Western, Northern, Southern, Sabaragamuwa and Uva provinces with the help of provincial centers. Eng J Meegoda, President of the IESL, Eng H N Gunasekara - Chairman JIY, 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 & Eng. D D L Wijethunga - Committee members addressed the students in above provinces. The committee introduced interactive awareness programmes and workshops for this year and it was a fresh experience to the participant and committee members. The main purpose is 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 then compete at the Sri Lanka Science and Engineering Fair (SLSEF). SLSEF is the 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 2016 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.

**JIY winners 2016** namely Master Wishwajith Gangodawila of Narammala Mayurapada Central College & Master Sanuja Abeywickrama of Ambalangoda Dharmashoka Central College who secured top places in Sri Lanka Science & Engineering Fair (SLSEF), participated in the Intel ISEF 2017 at Los Angeles, California, 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 Wishwajith Gangodawila grand award in category of Engineering Mechanics. Further, Master Sankalpa Perera & Master Shehan Sankalpa from S De S Jayasinghe Central College Dehiwala won fourth award in the Environmental Engineering category at the Grand Award Ceremony.



**Five IESL scholarships** were awarded to JIY 2016 winners at the IESL Induction and Graduation ceremony held at the BMICH on 25th August 2017.

**Provincial Competitions** of JIY 2017 were held at Badulla, Colombo, Kilinochchi, Ratnapura, Kandy, Kurunegala & Galle in June, July & August 2017. During the competitions, Eng. J Meegoda & Eng. HDBP Herath made presentations on Intel ISEF and the eligibility criteria for ISEF 2018, which is to be held in Pittsburgh, Pennsylvania, USA in May 2018.

**Final JIY competition** was held on 23th September 2017 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 2017, National Engineering & Technology Exhibition on October 2016.

Eng. H N Gunasekera  
Chairman, JIY Committee 2016/17



**JUNIOR INVENTOR OF THE YEAR COMPETITION - 2017**  
**LIST OF WINNERS**

| Award   | Name                          | Address   | College  | Product                                | Prize  |
|---|-------------------------------|---|--|--|--|
| <b>Grand Awards</b>   |                               |   |  |  |  |
| Title Award<br>“Junior<br>Inventor of<br>the Year -<br>2017”          | Master S M C B<br>Munasinghe  | No 56, Government<br>Quarters,<br>Gannoruwa,<br>Peradeniya  | Vidyartha College,<br>Kandy.                           | Smart Walking<br>Stick                 | A Gold Medal, a<br>Certificate and<br>Rs.20,000.00   |
| Second Place  | Master L S<br>Sasipriya Silva | No 52, Mahabage<br>Road, Ragama                             | De Mazenod College,<br>Hapugoda, Kandana               | Walk Enhancing<br>Smart Device         | A Silver Medal, a<br>Certificate and<br>Rs.17,000.00 |
| Third Place   | Master Kirushnaraj<br>Abisek  | Thadchana<br>Maruthamadhu,<br>Palampiddy, Madhu,<br>Mannar. | Thadchanamaruthama<br>du Maha Vidyalyaya.<br>Mannar.   | Nailing Adaptor<br>for Hammer<br>Drill | A Bronze Medal, a<br>Certificate and<br>Rs.15,000.00 |
| <b>Special Awards</b>   |                               |   |  |  |  |
| <b>Category - Efficiency Improvements In Products &amp; Processes</b> |                               |   |  |  |  |
| First Place   | Master Kirushnaraj<br>Abisek  | Thadchana<br>Maruthamadhu,<br>Palampiddy, Madhu,<br>Mannar. | Thadchanamaruthama<br>du Maha Vidyalyaya.<br>Mannar.   | Nailing Adaptor<br>for Hammer<br>Drill | Gold Medal and<br>Certificate                        |
| Second Place  | J.P.I.Sithanja<br>Jayasinghe  | No:193/1/A,<br>Magawaththa,<br>Kahengama,<br>Kuruwita.      | New Town Prince<br>College, Rathnapura.                | Easy Line<br>Marker                    | Silver Medal,<br>Certificate and<br>Rs.6,000.00      |
| Third Place   | N.Nikmal<br>Ranasinghe        | No:331/A,<br>Lunuwewa,<br>Thambuththegama                   | Thambuththegama<br>Central College,<br>Thambuththegama | Plastering Tools                       | Bronze Medal,<br>Certificate and Rs.<br>5,000.00     |

| Award   | Name                                    | Address   | College   | Product  | Prize  |
|---|---|---|---|--|--|
| Third Place   | Master Rasakumar Loshan                 | Thadchana Maruthamadhhu, Palampiddy.              | Thadchanamaruthama du Maha Vidyalyaya. Mannar.            | Filtering Water Pump                               | Bronze Medal, Certificate and Rs. 5,000.00   |
| <b>Category - Personal &amp; Product Safety &amp; Instrumentation</b> |   |   |   |  |  |
| First Place   | Master S M C B Munasinghe               | No 56, Government Quarters, Gannoruwa, Peradeniya | Vidyartha College, Kandy.                                 | Smart Walking Stick                                | Gold Medal and Certificate                   |
| First Place   | Master M.M Saluka Udbhasa               | No: 129, Nanayakkara Mawatha, Rajagiriya.         | D.S.Senanayaka College. Colombo 07                        | Smart Headlight Assistant with Drowsiness Detector | Gold Medal, Certificate and Rs. 7,000.00     |
| Second Place  | Master K M G Kavinda Bandara            | 21 A, Wasanakanda Road, Katugasthota, Kandy       | St Anthony's College, Katugasthota Road, Kandy, Sri Lanka | Golden i   | Silver Medals, Certificates and Rs. 6,000.00 |
|   | Master K Gimhan Wijayawardana           | 196/A/2, Thithapajjala, Werrellagama              |   |  |  |
| Second Place  | Master D.M. T.D.B.Dambe wela            | 162/A/2 Kotarupe Road, Raddolugama.               | Gampaha Thakshila Vidyalyaya.                             | Automatic Device for Sleepy Drivers                | Silver Medal, Certificate and Rs.6,000.00    |
| Third Place   | Master N.Minidiya Karunasinghe          | 338, Temple Road, Dalugama, Kela niya             | Royal College, Colombo-07                                 | Blind Walker 2000                                  | Bronze Medal, Certificate and Rs. 5,000.00   |
| <b>Category - Protection of Environment</b>                           |   |   |   |  |  |
| Second Place  | Master H.A.C.N.Gayangan a Hettiarachchi | No:92/3, Kadahapola, Horambawa.                   | Mayurapada Central College, Narammala.                    | Rubbish & Sand Separated Dustpan                   | Silver Medal, Certificate and Rs. 6,000.00   |

| Award   | Name                                   | Address  | College   | Product                                     | Prize                                      |
|---|--|--|---|---|--|
| Third Place   | Master T D Sasindu Udana               | 134/2, Pahala Bomiriya, Kaduwela                     | Munidasa Kumarathunga Vidyalyaya, Kaduwela                                      | Eco Friendly Cup                            | Bronze Medal, Certificate and Rs. 5,000.00 |
| <b>Category - Appliances That Help Work Simpler And Efficient</b> |  |  |   |   |  |
| First Place   | Master L S Sasipriya Silva             | No 52, Mahabage Road, Ragama                         | De Mazenod College, Hapugoda, Kandana   | Walk Enhancing Smart Device                 | Gold Medal, Certificate and Rs. 7,000.00   |
| Second Place  | Master Thisath Mullakanda              | No: 37, 11th Lane, Royal Pearl Garden, Wattala.      | Lyceum International School, No 32, Royal Pearl Gardens Road, Hendala, Wattala. | Automatic SRB Reader                        | Silver Medal, Certificate and Rs. 6,000.00 |
| Third Place   | Miss P R R M Esandi I K Pussalamankada | 414/3, Maligathennawathth a, Sinharagama, Gurudeniya | Girls High School, Kandy  | Refill Roller Paint Brush                   | Bronze Medal, Certificate and Rs. 5,000.00 |
| <b>Category - Appliances That Save Energy</b>                     |  |  |   |   |  |
| First Place   | Master Selvakumar Abishek Raj          | No: 94, Dumburugiriya Road, Hatton.                  | Highlands College, Hatton   | Super Power Bag                             | Gold Medal, Certificate and Rs. 7,000.00   |
| Third Place   | Master M.Z.Mohamed Ayyash              | No: 21, Hingul Oya-1, Mawanella.                     | Zahira College, Mawanella.  | Energy Saving Cooking Pot                   | Bronze Medal, Certificate and Rs. 5,000.00 |
| <b>Merit Awards</b>   |  |  |   |   |  |
| Merit Award   | Master H.M.T.D.Kumara Herath           | Uda Iguruwatta, Iguruwatta, Mawathagama.             | Darmaraja College, Kandy  | Vibration E-Stick                           | Certificate and Rs. 3,000.00               |
| Merit Award   | Master S T Yasas Silva                 | Nandana Garden, Atawila Road, Heenatiyangala,        | Gnanodaya Central College, Kalutara South                                       | Wheelbarrow with Electrical Driven breaking | Certificate and Rs. 3,000.00               |

| <b>Award</b> | <b>Name</b>                    | <b>Address</b>              | <b>College</b>  | <b>Product</b>                           | <b>Prize</b>                       |
|--------------|--------------------------------|-----------------------------|---|--|------------------------------------|
|              |                                | Kalutara South              |   | shock<br>absorption an<br>bearing system |                                    |
| Merit Award  | Master D R Nadun<br>Dilushanka | 435, Kottunna,<br>Biyagama  | Bomiriya Madya Maha<br>Vidyalaya, Bomiriya,<br>Kaduwela | Wet Shoe Dryer                           | Certificate<br>and<br>Rs. 3,000.00 |
| Merit Award  | Master R Heshan<br>Prabuddhika | 342/C, Ambathale,<br>Angoda | Bomiriya Madya Maha<br>Vidyalaya, Bomiriya,<br>Kaduwela | Smart Plug                               | Certificate<br>and<br>Rs. 3,000.00 |

## Women Engineers' Forum

Executive Committee comprises of following members.

| Position           | Name                               |
|--------------------|------------------------------------|
| Chairperson        | Eng. (Ms.) Mangala Wickramanayake  |
| Deputy Chairperson | Eng. (Ms.) Shyama Gunawardana      |
| Joint Secretary    | Eng. (Ms.) Tharangika Jayasundera  |
| Joint Secretary    | Eng. (Lt. Col) Kushmy Senaratne    |
| Social Secretary   | Eng. (Ms.) Devika Abesuriya        |
| Treasurer          | Eng. (Ms.) Dulmini Indrasiri       |
| Committee Member   | Eng. (Ms.) U.W.V.De.S. Kanakaratne |
| Committee Member   | Eng. (Ms.) Lilani Ruhunuge         |
| Committee Member   | Eng. (Ms.) Sudhari Jayasinghe      |
| Committee Member   | Eng. (Ms.) Thilini Shashinka       |
| Committee Member   | Eng. (Ms.) Nilmini De Silva        |
| Committee Member   | Eng. (Ms.) Chamari Dhanapala       |
| Committee Member   | Eng. (Ms.) Sunethra Samarakoon     |

Eng. (Ms) Lanka Haturusinha, Eng. (Prof) N. Ratnayake, Eng (Ms) Lakmini Nonis, Eng. (Ms) Thamara Mallawaarchchi and Eng. (Ms.) Bhadra Kamaladasa served as the members of the Advisory Committee.

The Committee organized following activities during the Session 2016 Aug /2017Aug and eleven numbers of Executive Committee meetings were held.

### 1.0 Public Lectures

- Public Lecture on “Floods”-Dutch Experiences, by Ir. Piet Houtenbous, (Consultant Urban Planning in Netherlands) was held on August 22, 2016 at 1715 hrs at the Lecture Room A of the IESL.
- Public Lecture on “Post War Reconciliation in Southern Hemisphere” by Dr. Viktor Sebek, (Chairman and Director of International Relations of South, South Cooperation on Sustainable Development, Colombia & Chair Ocean Security International, USA) was held on 19th September 2016 at 1715 hrs at IESL Wimalasurendra Auditorium.
- Public Lecture on “Communicate To Win”, by Mr. Nishantha Kamaladasa was held on July 21, 2017 from 1300 hrs at Wimalasurendra Auditorium. He was the Former Senior Consultant of Sri Lanka Institute of Development Administration, Former Director of Centre for Housing Planning and Building and the Former CEO of the Distance Learning Centre Ltd. The number of participants was limited to forty due to the request made by the lecturer.

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. Ambassador, Her Excellency Mrs. Joanne Doornewaard, The Royal Netherlands Embassy graced the occasion as Chief Guest on Tuesday, 20th March, 2017 from 0830 hrs onwards at the Wimalasurendra Auditorium. Dr. Achela K. Fernando, Adjunct Senior Lecturer, Griffith School of Engineering Brisbane, Queensland, Australia delivered the Guest Speech on "Addressing Gender-imbalance in Engineering". The AGM of the WEF followed thereafter. Large number of women engineer members of the IESL participated.
- 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 8th May 2017 to 16th July 2017. According to the outcome of the E-survey 437 members had responded and the factual information gathered from this E-Survey was presented to the Executive Committee of WEF by Dr. Achela K. Fernando on the 9th August at the IESL for onward actions.

## **3.0 Field Visits**

- A field visit to the Colombo Port was organized on 22nd November 2016 in the view of providing an opportunity to visit the Colombo Port and the Port City for the membership. 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.

## **4.0 Corporate Social Responsibility (CSR) Activities**

- An arms giving for the Elders in CMC Elders Home at Wickramasinghapura, Battaramulla was held with the participation of President, IESL & President (Elect) IESL on 10th January 2017 to celebrate 111 the Anniversary of IESL.

The Committee 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) Mangala Wickramanayake**  
**Chairperson,**  
**WOMEN ENGINEERS' FORUM**

## **ANNUAL GENERAL MEETING - 2016/2017**

### **OCTOBER 28, 2017**

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 28, 2017 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 2016/2017.                     |
| 9.10 a.m.  | Confirm the Minutes of Annual General Meeting (AGM) held on October 22, 2016 & Adjourned AGM held on December 7, 2016 |
| 9.15 a.m.  | Business arising from the Minutes of the AGM 2016   |
| 9.45 a.m.  | Receive the Report on the Elections to Council for Session 2017/2018  |
| 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 - 2016/2017   |
| 11.10 a.m. | Receive and adopt the Annual Statement of Accounts for the period 1st January 2016 to 31st December 2016              |
| 11.25 a.m. | Appointment of an Auditor   |
| 11.30 a.m. | i. Consider Resolutions duly proposed by the Council<br>ii. Consider Resolutions duly proposed by Corporate Members   |
| 12.30 p.m. | Address by the outgoing President for the Session 2016/2017   |
| 12.50 p.m. | Induction of the President for the Session 2017/2018  |
| 01.10 p.m. | Address by the President for the Session 2017/2018  |
| 01.30 p.m. | End   |

## **INSTITUTION OF ENGINEERS, SRI LANKA**

### **MINUTES OF THE 110<sup>TH</sup> ANNUAL GENERAL MEETING**

The one hundred & tenth Annual General Meeting of the Institution of Engineers, Sri Lanka was held on Saturday, October 22, 2016 at Sri Lanka Foundation, No 100, Sri Lanka Padanam Mawatha, Independence square, Colombo – 07. AGM proceedings commenced at 9.00 hrs. with the Eng. Wimalasena Gamage, President in the Chair.

#### **1. The Notice convening the One Hundred and Tenth Annual General Meeting**

President welcomed all members to the 110<sup>th</sup> meeting and requested Honorary Secretary to read out the notice convening the meeting. Honorary Secretary read the notice convening the meeting. The agenda of 110<sup>th</sup> AGM was as stated below.

### **AGENDA**

1. 9.00 a.m. Reading the notice convening the meeting
2. 9.05 a.m. Observing two minutes silence in memory of members, who passed away during the Session 2015/2016
3. 9.10 a.m. Confirm the Minutes of Annual General Meeting (AGM) held on October 24, 2015
4. 9.15 a.m. Businesses arising from the Minutes of the AGM 2015.
5. 9.45 a.m. Receive the Report on the Elections to Council for Session 2016 /2017
6. 10.00 a.m. TEA
7. 10.30 a.m. Appointment of members to the By-Laws Revision Committee
8. 10.40 a.m. Receive and deliberate upon the Report of the Council – 2015/2016
9. 11.10 a.m. Receive and adopt the Annual Statement of Accounts for the period 1<sup>st</sup> January 2015 to 31<sup>st</sup> December 2015.
10. 11.25 a.m. Appointment of an Auditor
11. 11.30 a.m. i. Consider Resolutions duly proposed by the Council  
ii. Consider Resolutions duly proposed by Corporate Members
12. 12.30 p.m. Addressed by the outgoing President for the session 2015/2016.
13. 12.30 p.m. Induction of the President for the Session 2016/2017.
14. 01.10 p.m. Addressed by the President for the Session 2016/2017.
15. 01.30 p.m. The end - lunch will be served.



## **2. Members who passed away during the Session 2015/2016**

The House observed two minutes silence in memory of the following members who passed away during the Session:

|                          |            |
|--------------------------|------------|
| Eng. B P Nissanga        | HLM – 75   |
| Eng. R L De S Munasinghe | HLF – 518  |
| Eng. W A D M Wijesinghe  | HLF – 355  |
| Eng. D R Alagiah         | HLM – 26   |
| Eng. D P Chandrasinghe   | HLF – 283  |
| Eng. H A L Cooray        | HLM – 359  |
| Eng. R A T S Ranasinghe  | AM – 10449 |
| Eng. K W W L Weragama    | M – 3951   |
| Eng. H M S I Hennayake   | AM – 14630 |
| Eng. R M A Weeraratne    | F – 895    |
| Eng. G Upasiri           | M – 3576   |
| Eng. L C Amaratunga      | HLF – 457  |
| Eng. C R Alimchandani    | F – 675    |

## **3. Confirmation of the Minutes of the 109<sup>th</sup> Annual General Meeting (AGM) held on October 22, 2015**

The President informed the House that the Minutes of the 109<sup>th</sup> Annual General Meeting (AGM) 2014/2015 held on October 22, 2015 is in the transactions circulated among members.

Subjected to the correction of grammatical errors pointed out by both Eng. B R O Fernando and Eng. K K Gunawardana, on pages 158 and 159, Eng. (Prof.) L Ratnayake proposed and Eng. B R O Fernando seconded that the minutes of the AGM held on October 22, 2015 be adopted.

## **4. Report on the Election to the Council for the Session 2016/2017**

The following were the returning Officers for the election for the Session 2016/2017

Eng. Priyal De Silva – Chief Returning Officer  
Eng. M G Hemachandra – Assistant Returning Officer  
Eng. Eng. (Ms.) Shyma Gunawardana – Assistant Returning Officer  
Eng. Madhawa Perera – Assistant Returning Officer

Eng. Priyal De Silva Presented the report.

The notice calling nominations for all posts to be vacant in the Council for the Session 2016/2017 was issued on June 7, 2016 with the deadline for receiving nominations set at 4.00 p.m. on June 28, 2016.

The following were elected uncontested:

|                  |                                 |
|------------------|---------------------------------|
| Past President   | - Eng. W J L S Fernando         |
| President –Elect | - Eng. (Prof.) Mrs. N Ratnayake |
| Vice Presidents  | - Eng. (Prof.) S B S Abayakoon  |
|                  | - Eng. (Dr.) D A R Dolage       |
|                  | - Eng. (Dr.) L B K Laksiri      |

|   |                        |
|---|------------------------|
| Chairman – Building Services Eng. Sect. Committee | - Eng. S S Gunawardana |
| Chairman – Civil Eng. Sect. Committee             | - Eng. M N A Samad     |
| Chairman – Mechanical Eng. Sect. Committee        | - Eng. A Manamperi     |

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

Chairman, Agricultural and Plantations Engineering Sectional Committee

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. (Mrs.) S H Gunawardana
2. Eng. I R P Gunathilaka
3. Eng. PP Thangamayil

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. P C Jinasena (Above 40 yrs)
2. Eng. M R Ranatunga (Above 40 yrs)
3. Eng. K S M Silva (Below 40 yrs)
4. Eng. M G Hemachandra (Above 40 yrs)
5. Eng. A P K Mutunayake (Below 40 yrs)

The Election was held for the following posts:

Honorary Secretary

Honorary Treasurer

Chairman, Electrical & Electronics Engineering Sectional Committee

Chairman, IT & Communication Engineering Sectional Committee

Representatives – Fellows (03)

Representatives – Members above 40 (02), Below 40 (03)

Voting for Election to the Council 2016/2017 commenced on the 26<sup>th</sup> July 2016 with the posting of election material, and was closed with the sealing of the ballot box on August 31, 2016 at 4.00 p.m. The sealed Ballot box was opened at 8.00 a.m. on September 1, 2016 and the counting commenced immediately thereafter.

|   |        |
|---|--------|
| Total No. of Ballot Papers received                   | - 1505 |
| Ballot Papers received in a single envelope (invalid) | - 34   |
| Total No. of Valid Ballot Papers                      | - 1471 |
| The Results are as follows:-                          |        |

| (1) Post of Honorary Secretary |                    |                           |       |         |
|--------------------------------|--------------------|---------------------------|-------|---------|
| Vacancies                      | Post               | Candidates                | Votes | Remarks |
| 01                             | Honorary Secretary | Eng. Granie R Jayalath    | 883   | Elected |
|                                |                    | Eng. Indika Walpitage     | 410   |         |
| (1) Post of Honorary Treasurer |                    |                           |       |         |
| 01                             | Honorary Treasurer | Eng. A P Raniith De Silva | 685   | Elected |

|  |  |                                   |     |         |
|--|--|-----------------------------------|-----|---------|
|  |  | Eng. Manjula Samarasinghe         | 579 |         |
| (1) Post of Chairman, Electrical & Electronics Engineering Sectional Committee |  |                                   |     |         |
| 01   | Chairman, Electrical & Electronics ESC | Eng. M M Aliyar                   | 381 |         |
|  |  | Eng. Kosala Kamburadeniya         | 835 | Elected |
| (1) Post of Chairman, IT & Communication Engineering Sectional Committee       |  |                                   |     |         |
| 01   | Chairman, IT & C ESC                   | Eng. (Lt.Col) Dr. Chandana Gamage | 609 | Elected |
|  |  | Eng. H Samantha                   | 573 |         |
| (3) Posts of Representatives – Fellows   |  |                                   |     |         |
| 03   | Representatives - Fellows              | Eng. Dharmapala K P I U           | 904 | Elected |
|  |  | Eng. M K Hapuarachchi             | 641 | Elected |
|  |  | Eng. W W Malith S Mendis          | 360 |         |
|  |  | Eng. (Prof.) T M Pallewatta       | 891 | Elected |
|  |  | Eng. Kirthi Sri Senanayake        | 581 |         |
| (2) Posts of Representatives – Members (Above 40)                              |  |                                   |     |         |
| 02   | Representatives – Members (Above 40)   | Eng. Dhammika Dharmaratne         | 387 | Elected |
|  |  | Eng. R Ganeshwaran                | 261 |         |
|  |  | Eng. Sudantha Hewage              | 275 |         |
|  |  | Eng. A L Zahir Hussain            | 236 |         |
|  |  | Eng. Sujith Jayasuriya            | 335 |         |
|  |  | Eng. Asantha Sumanarathna         | 234 |         |
|  |  | Eng. Ajith P N Vithanage          | 274 |         |
|  |  | Eng. M D S Wijayabandara          | 454 | Elected |
| (2) Posts of Representatives – Members (Below 40)                              |  |                                   |     |         |
| 02   | Representatives – Members (Below 40)   | Eng. P A Samira Anuradha          | 619 | Elected |
|  |  | Eng. H D B P Herath               | 517 | Elected |
|  |  | Eng. Madhawa Herath               | 365 |         |
|  |  | Eng. Gayantha Karunarathna        | 425 |         |
|  |  | Eng. Dileepa Lathsara             | 234 |         |
|  |  | Eng. M S M Musthalie              | 146 |         |
|  |  | Eng. K A B Pathirathna            | 432 |         |
|  |  | Eng. S A P C Siriwardana          | 491 | Elected |

## Summary

### A. Members elected to the Council for the Session 2016/2017

|                                   |   |
|-----------------------------------|---|
| Eng. Jayavilal Meegoda            | President   |
| Eng. Prof. Niranjanie Ratnayake   | President – Elect                                       |
| Eng. W J L S Fernando             | Past President  |
| Eng. (Prof.) S B   S Abayakoon    | Vice President  |
| Eng. (Dr.) D A R Dolage           | Vice President  |
| Eng. (Dr.) L B K Laksiri          | Vice President  |
| Eng. Granie R Jayalath            | Honorary Secretary                                      |
| Eng. A P Ranjith De Silva         | Honorary Treasurer                                      |
| Eng. S S Gunawardana              | Chairman, Building Services Eng. Sect. Committee        |
| Eng. M N Samad                    | Chairman, Civil Eng. Sect. Committee                    |
| Eng. A Manamperi                  | Chairman, Mechanical Eng. Sect. Committee               |
| Eng. (Lt.Col) Dr. Chandana Gamage | Chairman, IT & Communication Eng. Sect. Committee       |
| Eng. Kosala Kamburadeniya         | Chairman, Electrical & Electronics Eng. Sect. Committee |

Representative Fellows:

Eng. (Mrs.) S H Gunawardana  
Eng. I R P Gunathilaka  
Eng. P Thangamayil  
Eng. K P I U Dharmapala  
Eng. (Prof.) T M Pallewatta  
Eng. M K Hapuarachchi

Representative Members above 40 years:

|                             |                |
|-----------------------------|----------------|
| Eng. P C Jinasena           | (Above 40 yrs) |
| Eng. M R Ranatunga          | (Above 40 yrs) |
| Eng. M G Hemachandra        | (Above 40 yrs) |
| Eng. M D S Wijayabandara    | (Above 40 yrs) |
| Eng. P Dhammika Dharmaratne | (Above 40 yrs) |

Representative Members below 40 years:

|                          |                |
|--------------------------|----------------|
| Eng. K S M Silva         | (Below 40 yrs) |
| Eng. A P K Mutunayake    | (Below 40 yrs) |
| Eng. P A Samira Anuradha | (Below 40 yrs) |
| Eng. H D B P Herath      | (Below 40 yrs) |
| Eng. S A P C Siriwardena | (Below 40 yrs) |

The following vacancies will have to be filled by the Council for the Session 2016/2017.

Chairman, Agricultural and Plantations Engineering Sectional Committee  
Chairman, Chemical & Process Engineering Sectional Committee

**5. Appointment of Members to the By-Laws Revision Committee**

The following members were nominated to the By-Laws Revision Committee:

- i. Eng. W M U P Kumara  
(Proposed by Eng. H D M Jayasooriya, Seconded by Eng. WK Piyarthne)
- ii. Eng. Lalith Pallegama  
(Proposed by Eng. Bulathsinhala, Seconded by Eng. WMUP Kumara)
- iii. Eng. Chula de Silva  
(Proposed by Eng. P Thangamayil, Seconded by Eng. B R O Fernando)
- iv. Eng. Palitha Abeyawardana  
(Proposed by Eng. A Manamperi, Seconded by Eng. (Prof.) A Dolage)
- v. Eng. Kosala Kamburudeniya  
(Proposed by Eng. Dr. Nawagamuawa, Seconded by Eng. Prof. Ms Rathnayake)
- vi. Eng. P Thangamayil  
(Proposed by Eng. S Fernando, Seconded by Eng. Chula de Silva)
- vii. Eng. Arjuna Manamperi  
(Proposed by Eng. (Dr.) C Gamage, Seconded by Eng. L W Senaviratne)
- viii. Eng. M D S Wijaya Bandara  
(Proposed by Eng. (Dr.) Laksiri, Seconded by Eng. Samad)
- ix. Eng. Indika Walpita

(Proposed by Eng. S Fernando, Seconded by Eng. A Manamperi)

x. Eng. Mangala Silva

(Proposed by Dr. C Gamage, Seconded by Eng. A Manamperi)

President stated as per the by-laws only 06 members needed to be selected at the AGM and six (6) members to be appointed by the council. It was decided to go for a vote as 10 names had been duly proposed and seconded for the by-laws revision committee.

**6. Receiving and deliberating upon the report of the Council and the state of the Institution for the session 2015/2016.**

Eng. Priyal De Silva highlighting few errors in the report of the council requested to compile the next year's report with utmost care. Eng. B R O Fernando stated that the report does not have the report of the board of trustees' and requested to include the same into the next year's report. Eng. B R O Fernando further stated that the details of Engineers' Night -2016 and details of IESL Insurance scheme are also not included in the report.

Eng. A Manamperi suggested to include a section for oversees chapters.

Eng. (Prof.) Sam Karunaratne too, pointed out several errors and President stated all such omissions will be seriously considered when compiling the next years' report. At this stage, President briefed the house over the current station of the EC bill and also the status of court cases, being filed against the IESL council, over the affairs of IESLCOE.

Eng. Prof. Rathnayake proposed that the report of the council is acceptable subjected to the afore stated observations and Eng. Shavi Fernando seconded the same.

**7. Receiving and adopting Annual Statement of Accounts for the period January 01, 2014 to Dec 31, 2015**

Eng. A Manamperi suggested to have softcopies for Annual transaction "Volume A" instead of expensive hard copy prints.

During deliberation, majority of members of the house stated, that Annual Statement of Accounts could not be approved unless full details on following expenditure of the IESLCOE are submitted.

- I. Expenditures incurred for advertisements only
- II. Consultancy fee paid for searching out a land for IESLCoE
- III. Expenditure incurred for renovation of the building for the IESLCoE
- IV. All details of lectures, staff their salaries including that of CEO, allowances, paper marking payments etc.,

A tense situation was arisen and President was compelled to declare that the 110<sup>th</sup> AGM is adjourned. The house didn't approve statement of accounts. President stated that the 110<sup>th</sup> Adjourned AGM will be held as soon as possible.

**Granie R Jayalath**

Honorary Secretary (2016/2017)

## **Institution of Engineers, Sri Lanka** **Minutes of the Adjourned 110th AGM**

The 110th adjourned AGM of the Institution of Engineers, Sri Lanka was held on December 7, 2016 at the Nuga Sevana Hall of BMICH. Adjourned AGM proceedings commenced at 3.00 p.m. with Eng. Jayavila Meegoda, President in the Chair.

### **1.0 The notice convening the adjourned one hundred and tenth Annual General Meeting**

President welcomed all members to the adjourned 110th Annual General Meeting and requested Hon. Secretary to read out the notice convening the meeting. Hon Secretary read the notice convening the meeting. The agenda of the adjourned 110th AGM was as stated below.

### **Agenda**

- i. Reading the notice convening the meeting
- ii. Appointment of members to the by-laws Revision Committee
- iii. Receive and adopt the Annual Statement of accounts for the period January 1, 2015 to December 31, 2015 (As per the pages 52-77 in the transaction 2015 – Part A)
- iv. Appointment of an Auditor
- v. Consider the resolutions duly proposed by the Council (Resolutions 1, 2 and 3 in the Transactions 2016 – Part A, Pages 181 -185)
- vi. Consider the resolutions duly proposed by Corporate Members (Resolutions 4, 5, 6, 7, 8, 9 and 10 in the transactions 2016 – Part A, pages 185 – 192)

At the outset, prior to the commencement of the proceedings, president requested CEO, to read out a special announcement in respect of IESL College of Engineering (IESLCE). CEO read out the following message.

“The council at its meeting held on 2<sup>nd</sup> December 2016 endorsed that new intakes to the IESLCE with only GCE Advanced Level qualifications have been suspended by the Board of Directors of IESLCE as per the board decision taken on 18<sup>th</sup> December 2016”

### **2.0 Appointment of members to the By-laws Revision Committee**

In order to select six (06) members out of ten (10) contestants to the By-laws Revision Committee it was decided put to a vote. Two contestants, Eng. K. S. Mangala Silva and Eng. M D S Wijebandara were not present at the time when the selection was put on to a vote. Eng. Chula de Silva stated that because all 10 contestants had been duly proposed and seconded at the AGM, held on 2<sup>nd</sup> December 2016, hence all 10 should be considered eligible. Eng. (Prof) Rathnayake endorsed the same, and house decided to include all ten (10) for voting. The voting was administrated by a team of auditors and accordingly following members were elected as per the number of preferences taken.

| <b>Name of the contestant</b> | <b>Number of preferences obtained</b> | <b>Remarks</b> |
|-------------------------------|---------------------------------------|----------------|
| Eng. Kosala Kamburadeniya     | 135                                   | Elected        |
| Eng. Lalith N Pallegama       | 109                                   | Elected        |
| Eng. R M Palitha Abayawardana | 107                                   | Elected        |
| Eng. Arjuna Manamperi         | 106                                   | Elected        |
| Eng W M U P Kumara            | 102                                   | Elected        |

|                        |    |         |
|------------------------|----|---------|
| Eng. K S Mangala Silva | 94 | Elected |
| Eng. Chula de Silva    | 77 | -       |
| Eng. Indika Walpita    | 71 | -       |
| Eng. P. Thangamyile    | 57 | -       |
| Eng. M D S Wijebandara | 54 | -       |

### **3.0 Receive and adopt the Annual Statement of Accounts for the period of January 1, 2015 to December 31, 2015.**

Eng. Jayantha Ranatunga requested to elaborate the reasons for significantly huge expenditures incurred for renovation, rental and for advertising altogether amounting up to SLR37M. Eng. Lalith Pallegama requested to have an impartial investigation over these expenditures. Eng. Arjuna Manamperi too endorsed the views expressed by previous two members.

Eng. Ruwan Bandara emphasized the need to get adhered to the code of ethics. Eng. Prof. Sam Karunarathna stated that there seems to be no logical reason to take up accounts of a subsidiary of the main Institution. Eng. Ranjith de Silva stated, the reason for taking up IESLCE accounts had been due a council decision taken in response to a request done by the general membership at the AGM held on 22<sup>nd</sup> October 2016. Eng. Chula de Silva too, emphasized the point raised by the Eng. (Prof) Sam Karunarathna.

Eng. Priyal De Silva proposed, that the IESL accounts are approved, subjected to appointment of a committee to investigate and report all allegations against the accounts of IESLCE. Eng. Harsha Sooriyaarachchi too, emphasized the same and proposed IESL accounts are accepted subjected to investigating of all allegations against the accounts of IESLCE.

At this stage Eng. Lalith Pallegama, raising an issue stated that since one member is keep on recording proceedings of the AGM, requested the attention of President. Eng. P Thangamayil responding to the issue stated that “If you are talking truth, you do not need to fear and in this IT era there is nothing that could be hide”. Because of this issue a slight tense situation was surfaced and President declared that recording is not allowed and called the house back to order.

Eng. Harsha requested, until all allegations are sorted out, to terminate all sort of intakes to the IESLCE. Eng. Dr. C Gamage requested President to declare clearly, which account the house needs to approve either the consolidated account or else only the IESL account. President stated that it is needed only to approve the IESL accounts, subjected to the condition that all following allegations, surfaced against IESLCE accounts are investigated fully and reported back to the house.

- I. Expenditures incurred for advertisements only
- II. Consultancy fee paid for searching out a land for IESLCoE
- III. Expenditure incurred for renovation of the building for the IESLCoE
- IV. All details of lectures, staff their salaries including that of CEO, allowances, paper marking payments etc.,

Accordingly, Eng. Arjuna Manamperi proposed that IESL accounts are in order and Eng. Bandara seconded the same.

### **4.0 Appointment of an Auditor**

Eng. (Prof) Ms. Rathayake proposed to appoint M/s. B. D. O. Partners, the same auditor for the session 2016/2017 too. Eng. B R O Fernando seconded.

## 5.0 Resolutions duly proposed by the Council

### Resolution 1

This House resolves that the existing By-Laws 2, 26 and 52(a) as given below be amended to read as indicated.

### Observations of the By Laws Revision Committee

The By Laws Revision Committee recommends the amendments proposed to By Laws 2, 26 and 52(a). The amended By Laws 2, 26 and 52(a) are in conformity with the rest of the By Laws.

Resolution was put to the house for discussion after attending to the correction pointed out by Eng. M A M Fernando. **Resolution adopted unanimously.**

### Resolution 2

This House resolves that the existing By Law 30 as given below be amended to read as indicated.

### **Disciplinary Action**

Any member of the Institution against whom an allegation of misconduct is made shall be dealt with by the appointed person/s according to the procedures set out in the Disciplinary Procedure approved by the Council from time to time.

| Existing By Law   | Proposed By Law  |
|---|--|
| <p>30. For this purpose 'misconduct' shall include but not be limited to the following:</p> <ul style="list-style-type: none"><li>i. breach of any By-Laws or Regulations relating to professional conduct or the Code of Ethics or non-observance of Rules, directions or pronouncements made or given thereunder;</li><li>ii. any other conduct which is deemed by the Council as improper;</li><li>iii. holding membership of an institution or body which is engaged in activities detrimental to the objects of IESL;</li><li>iv. usage of name affixed with qualifications that are identical or similar to that given by the Institution if such qualifications have been awarded by any other organization which is not upto the professional standing of the Institution. Such misconduct shall be punishable by suspension for a minimum period of 10 years or permanent disenrollment.</li></ul> | <p>30. For this purpose 'misconduct' shall include but not be limited to the following:</p> <ul style="list-style-type: none"><li>i. breach of any By-Laws or Regulations relating to professional conduct or the Code of Ethics or non-observance of Rules, directions or pronouncements made or given thereunder;</li><li>ii. holding membership of an institution or body which is engaged in activities detrimental to the objects of IESL;</li><li>iii. usage of name affixed with qualifications that are identical or similar to that given by the Institution if such qualifications have been awarded by any other organization which is not upto the professional standing of the Institution. Such misconduct shall be punishable by suspension for a minimum period of 10 years or permanent disenrollment;</li><li>iv. <b>impersonation in voting with or without the consent of other voter;</b></li></ul> |



|  |  |
|--|--|
|  | v. any other conduct which is deemed by the Council as improper. |
|--|--|

### **Observations of the By Laws Revision Committee**

The By Laws Revision Committee recommends the amendments proposed to By Law 30. The amended By Law 30 is in conformity with the rest of the By Laws.

Eng. Chula de Silva explained the resolution to the house. **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 has recommended to increase the subscription fees for the year 2017 for all categories by around 5% except for student members. The Committee decided that student member rates will remain same as 2016 and they should pay only Rs.1000 for a period of five years.

This House resolves to revise the subscription fees for the year 2017 as given below:

| <b>Class of Membership</b> | <b>Existing Rates</b> | <b>Proposed Rates for the year 2017</b> |
|----------------------------|-----------------------|---|
| Fellow                     | 6,250                 | 6,500                                   |
| Member                     | 5,000                 | 5,250                                   |
| Associate Member           | 3,750                 | 4,000                                   |
| Associate                  | 3,150                 | 3,400                                   |
| Companion                  | 3,150                 | 3,400                                   |
| Affiliate                  | 3,150                 | 3,400                                   |
| Student Member             | 1,000                 | 1,000                                   |

The above rates will be subjected to 11% VAT and a rebate of 10% to be offered for all members except Student Members, who pay subscription fees for the year 2016 on or before January 31, 2017.

**Because there were no objections from the house, resolution adopted unanimously.**

## **6.0 Resolutions duly proposed by Corporate Members**

### **Resolution - 4**

Proposer : Eng. L W Seneviratne (F-672)

Seconder : Eng. J M Chandradasa (HLM-576)

### **Resolution to amend By-Law 52 of IESL**

This house resolves that the fourth paragraph of By-Law 52 be amended. The amended paragraph shall read as follows.

“A continuing member of the Council under bylaw 50 shall not be eligible to contest another post unless he resigns from the post to be made effective at the end of the current session. A member who has been found guilty of improper conduct by the Council **as published in the annual report** shall also not be eligible to contest any post or sit in the Council. Each candidate shall be nominated by four Corporate Members. In the case of Chairmen of Sectional Committees the nomination papers shall be signed by 4 Corporate Members of the respective disciplines”

#### **Explanation**

We insert the words ‘**as published in the annual report**’ in the middle of the second sentence.

Corporate members need to identify the disqualifications of the each candidate before nominating. Annual report is the only document available for the reference of members.

This amendment releases the burden of previously affected members.

### **Observations of the By Laws Revision Committee**

It was of the view that the Annual Report was not an appropriate means to state the outcome of Disciplinary Inquiry. Corporate Member seeking Nomination should know whether he was found guilty for his misconduct.

Hence, the Committee does not recommend this amendment to Council

### **Comments of the Council**

The Council agrees with the observations made by the By Laws Revision Committee.

Eng. L. W. Seneviratna explained the resolution. Eng. J M Chandradasa pointed out, through the resolution number 4, at the AGM held in 2015, the by law 33 was corrected. He further stated when a punishment is given it is reasonable to specify a duration otherwise a punishment could not be there for the whole life span. He requested President to consider this issue. President stated the issue will be taken up at the next by laws revision committee.

The resolution was put to the house for a vote. **Resolution had 31 against 2 in favor and 43 abstentions. Accordingly, the house did not adopt the resolution.**

### **Resolution 5**

Proposer: Eng. Tilak De Silva (F-733)

Seconder: Eng. (Prof.) T M Pallewatta (F-796)

### **Amendment to Existing By-Law 46a**

We the undersigned propose the amendment in the table below, to the indicated existing by-law of the Institution.

| By-Law | Existing By-Law (Deletions stricken off)  | Proposed Amended By-law (Additions underlined)  |
|--------|---|---|
| 46.a   | President-Elect shall be elected by the Corporate Membership from among those who have held office as Vice President for at least one full Session <del>at the time of closing of nominations for the election.</del> The President Elect shall hold office in Council for one full Session and shall assume the post of President at the end of the Session. In the event where the President Elect is incapacitated to hold office for whatever reason, an election shall be held to replace him from among the general membership who is qualified to hold such office as above. | President-Elect shall be elected by the Corporate Membership from among those who have held office as Vice President for at least one full Session <u>by the time of taking over office as President-Elect.</u> The President Elect shall hold office in Council for one full Session and shall assume the post of President at the end of the Session. In the event where the President Elect is incapacitated to hold office for whatever reason, an election shall be held to replace him from among the general membership who is qualified to hold such office as above. |

#### **Observations of the By Laws Revision Committee**

The committee considered the resolution to amend BL 46a and observed that the amendment was to reverse an amendment made in 2015. Qualifications shall be fulfilled before the closing date of any application.

It also noted that the change made in 2015 was to ensure that all applicants conformed to all requirements at the time for closing nominations.

Further, it noted it was not a desirable practice to permit persons to contest in the expectation that they would meet the requirements at a future date.

Earlier it was open-ended and it could have given rise to infrequent situations where a candidate who would not have met the requirements by the time the new Council took place such as disciplinary action in the intervening period, or, would have been unable to accept office because say he had taken up a long term foreign assignment or some such situation.

The committee also noted that if a continuing Member in Council wished to contest another post he was required to tender his resignation from the current post effective end of the current term.

The Committee also notes that the Proposer and Secunder have not given reasons for this amendment.

Hence, the Committee does not recommend this amendment to Council.

#### **Comments of the Council**

The Council agrees with the observations made by the By Laws Revision Committee

Presenting the resolution Eng. (Prof.) Pallewatta stated both resolutions number 5 and 6 fall under the same theme. He further stated that according to the existing by-law a candidate for the post of President elect or Vice President had to wait for an additional one year on limbo basis, hence to correct this situation this resolution was presented.

President explaining the observations of the by-law revision committee stated, that by laws revision committee had not recommended the resolution to the council.

Eng. Priyal De Silva explaining the importance of the resolution stated it is needed to define the exact period, and it could either be one year or two.

Eng. Shavi Fernando stated a President Elect (PE) should serve one full session prior to assume office as President. It would really be ideal if PE could serve in all four sections, i.e. member ship, CPD, Education and finance prior to she/he assumes office as President. He further stated, If you are genuine and if you really love IESL, devote your time for IESL, minimum of four years, prior to assume duties as President. This scale of maturity is demanded by the IESL, he further stated. He requested both the proposer and the seconder to withdraw the resolution.

Eng. Priyal De Silva, drawing the attention of the house, stated that the by-laws revision committee over this resolution is self-explanatory.

Eng. (Dr.) Kamal Laksiri, stated that there is a fundamental inconsistency issue in both of these resolutions, hence he requested to record his objections to both resolutions.

Eng. (Prof.) Pallewatta, stated the main reason for the resolution was the prevailing inconsistency of the existing by-law. He further emphasized that it is up to the house to clearly define a period, it could either be one full session or else two full sessions.

Eng. Thilak De Silva stated, that one year period is more than adequate. Eng. (Dr.) C Gamage stated, the more number of years you work you feel a “sense of entitlement” which is wrong. This situation has created so many issues, so we must stop this trend.

Eng. Priyal De Silva further elaborated that it was, the exact reason for amending this by-law in 2015. Eng. E W Karunaratne, stressed that young engineers should be given the opportunity.

Eng. Harshana stated that with the guidance and advice of senior engineers we need to allow our engineers to move up, he expressed his support for the resolutions.

Eng. Kaluarachchi appreciating Eng. Tilak De Silva’s concept expressed his support for the resolutions. He further stated, that time has come to think differently, not in respect of this resolution, but over the whole system. He requested the house to look in to ways and means to further simplify the system, so that capable young members could join the system.

Eng. Harsha Sooriyaarachchi stated, that the objective of the resolution is not logically accepted, hence requested both proposer and the seconder to withdraw the same.

After the deliberations were over, resolution was put to a vote. **The resolution had 38 votes in favor 26, against and 07 were abstentions.**

### **Resolutions – 6**

Proposer : Eng. Tilak De Silva (F-733)

Seconder : Eng. (Prof.) T M Pallewatta (F-796)

#### **Amendment to Existing By-Law 48a.**

We the undersigned propose the amendment in the table below, to the indicated existing by-law of the Institution.

| By-Law | Existing By-Law(Deletions stricken off)  | Proposed Amended By-Law (Additions underlined)  |
|--------|--|---|
| 48.a.  | The Vice Presidents shall be elected by the Corporate Membership <del>from among those who have held office as Vice President for at least one full session at the time of closing nominations for the election</del> OR from among the Class of Fellows who have been on the Roll as Fellows for more than five (05) years <del>at the time of closing nominations for the election</del> and served in Council at least for two(02) sessions <del>at the time of closing nominations for the election</del> OR has served as a Chairman of a Sectional Committee for 3 sessions of which at least one session as a Fellow <del>at the time of closing nominations for the election</del> . They will hold office for one session provided they have not held this office for five consecutive sessions immediately preceding such appointment. | The Vice Presidents shall be elected by the Corporate Membership from among the Class of Fellows who have been on the Roll as Fellows for more than five (05) years <u>by the time of taking over office as Vice President</u> and served in Council at least for two (02) sessions <u>by the time of taking over office as Vice President</u> OR has served as a Chairman of a Sectional Committee for 3 sessions of which at least one session as a Fellow <u>by the time of taking over office as Vice President</u> . They will hold office for one session provided they have not held this office for five consecutive sessions immediately preceding such appointment. |

#### **Observations of the By Laws Revision Committee**

The committee observed that this amendment was also to reverse an amendment made in 2015. Qualifications shall be fulfilled before the closing time of any application.

The Committee noted that the provision in the existing BL 48 a, for one who has served one full term as a Vice President would not be eligible to contest again unless he meets the other conditions.

The Committee also notes that the Proposer and Secunder have not given reasons for this amendment.

The Committee noted, that the provision for one who has held the post of Vice President, to contest again was, to enable Vice Presidents to serve in that capacity, so they would be fully acquainted with

the policies, practices, activities etc. of the Council/Institution, when they serve as Chairman of Standing Committees, in rotation, before taking office as President Elect.

The Committee also noted that the other requirements for the post of Vice President, was to provide for those who had served in Council in various capacities to hold the post of Vice president.

The Committee also noted that the Institution being a professional organisation it has been the desirable practice for those holding the highest Class of Membership i.e. that of a Fellow to head the Institution.

In view of the foregoing, the Committee does not recommend this resolution to Council.

### **Comments of the Council**

The Council agrees with the observations made by the By Laws Revision Committee

Because resolutions 05 and 06 were presented and discussed together, resolution 06 was put to a vote soon after the voting for resolution 05 was over. **The resolution had 36 in favor, 16 against and no abstentions.**

President stated, that for resolutions related to amendments to by-laws, 2/3 majority is required and requested CEO to read out the relevant by-law 86 (b). CEO readout the by-law 86 (b).

*“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”. (By-law 86-b)*

Several members of the house raised questions over the definitions of  $\frac{2}{3}$  majority? Because of this reason, President stated that he will seek legal advice over the definition of  $\frac{2}{3}$  and report back to the house.

### **Resolution – 7**

Proposer : Eng. Tilak De Silva (F-733)

Seconder : Eng. (Prof.) T M Pallewatta (F-796)

### **Amendment to Existing By-Law 106**

We the undersigned propose the amendment in the table below, to the indicated existing by-law of the Institution.

| By-Law | Existing By-Law (Deletions stricken off)  | Proposed Amended By-Law(Additions underlined)   |
|--------|---|---|
| 106    | There shall be a By-laws Revision Committee, whose responsibility shall be to study and review and make recommendations re. deleting, amending or adding By-laws in | There shall be a By-laws Revision Committee, whose responsibility shall be to study and review and make recommendations re. deleting, amending or |

|  |  |  |
|--|--|--|
|  | <p>keeping with the Act. The Committee shall consist of 12 members with the President as Chairman and consisting of <del>2 Past Presidents, 1 Vice President in Council and 2 Fellows</del> all nominated by the Council and 6 other Corporate Members elected by the membership at the Annual General Meeting. The quorum shall be 5 members. The Council may fill any vacancies if and when they so occur.</p> | <p>adding By-laws in keeping with the Act. The Committee shall consist of 12 members with the President as Chairman and consisting of <u>the Immediate Past President, a Past President, a Vice President, a Council member each, representing Fellows and Members nominated from the relevant Council Session and 6 other Corporate Members (3 Fellows and 3 Members who have not held posts of President, President Elect or Vice President)</u> elected by the membership at the Annual General Meeting. The quorum shall be 5 members. The Council may fill any vacancies if and when they to occur.</p> |
|--|--|--|

#### **Observations of the By Laws Revision Committee**

The Committee noted that as per the existing By Laws there are only two Council Members in the BLR Committee specified by the By Laws i.e. the President and one Vice President. The other may or may not be from within the Council.

In the proposed amendment a minimum of five of the twelve members of the BLR Committee are from the Council. Further, the six members to be elected by the house specifically exclude any who have held the posts of President, President Elect, Vice President.

This makes the 12 member BLR committee to have as many as five Council Members in it and exclude those who have held the Posts of President, President Elect and Vice Presidents.

The Committee also noted that addressing issues of revisions of the By Laws requires in depth knowledge of the By Laws by the members of the committee. In the amended by law precludes inclusion of those that have a good knowledge of the By Laws and the workings and practices of the Institution.

If there are as many as five Council members out of twelve, is there much purpose in having a separate BLR Committee? Why not leave the Council to handle the functions of the BLR Committee. The proposed amendment restricts the liberty of the General meeting and the Council to appoint a suitable BLR committee.

Please see the chart below showing the compositions of the existing and proposed amended composition.

The proposer and seconder have not explained the rationale for the proposed amendment.

|  |                 |                        |                 |                        |
|--|-----------------|------------------------|-----------------|------------------------|
|  | <b>Existing</b> | <b>Council Members</b> | <b>Proposed</b> | <b>Council Members</b> |
|--|-----------------|------------------------|-----------------|------------------------|

|    |                      | only |                             | only |
|----|----------------------|------|-----------------------------|------|
| 1  | President ex Officio | C    | President ex Officio        | C    |
| 2  | Past President**     |      | Immediate Past President ** | C    |
| 3  | Past President**     |      | Past President **           |      |
| 4  | Vice President**     | C    | Vice President **           | C    |
| 5  | Fellow**             |      | Fellow (in Council)**       | C    |
| 6  | Fellow**             |      | Member(in Council)**        | C    |
| 7  | Corporate Member*    |      | Fellow*                     |      |
| 8  | Corporate Member*    |      | Fellow*                     |      |
| 9  | Corporate Member*    |      | Fellow*                     |      |
| 10 | Corporate Member*    |      | Member*                     |      |
| 11 | Corporate Member*    |      | Member*                     |      |
| 12 | Corporate Member*    |      | Member*                     |      |

\*\* Elected by Council

\*\* Elected by Council

\*Elected by the AGM –

\*Elected by the AGM –

no restriction on offices held

restriction on offices held

### **Comments of the Council**

The Council agrees with the observations made by the By Laws Revision Committee

Eng. (Prof.) Pallewatta explaining the resolution stated that the objective of the resolution is to get the participation of young members to the by-laws revision committee. Resolution was put to the house for discussion.

Eng. Harsha Sooriyaarachchi stated that the amended resolution will limit the entry of young members. Instead of two fellows it now recommends there fellows.

Eng. Arjuna Manamperi requested not to classify “how many fellows” and “how many members” instead it would be better to state “corporate members” and he expressed his support for the resolution. Eng. Harshana too endorsed the views expressed by Eng. Arjuna Manamperi.

Eng. Thilak De Silva proposing an amendment to the resolution requested to delete only the numerical number 3 (three) stated therein.

Eng. (Prof.) N Rathnayake stated that P E position has not considered.



Eng. Harsha Sooriyaarachchi stressed the importance of including experienced members in the by-laws revisions committee.

Eng. B R O Fernando stated that the resolution will lead to the fall of entire IESL and stated that he is completely against the resolution and as well as the amendment just brought up. He further stated that this resolution will be the advent not for today even for the future.

**The proposer and the seconder stated that the resolution is withdrawn.**

#### **Resolution – 8**

Proposer : Eng. W Tilak R De Silva (F-733)

Secunder : Eng.(Lt.Col) Dr. Chandana D Gamage (M-5744)

#### **Amendments to Existing By-Law 48a.**

The existing By-Law hinders competent Members to become Vice President of the Institution. There are many competent Members who have served in the Council for longer sessions and have wide experience and knowledge in the industry and Council affairs. Therefore, contesting for Vice President to be limited to approximately 8% of Corporate Members does not serve the interests of the Corporate Members and the Institution. This amendment is proposed to broaden the active participation of the competent Members at the highest levels of the Institution's governing structure.

| By-Law | Existing By-Law (Deletions stricken off)  | Proposed Amended By-Law (Additions underlined)  |
|--------|---|---|
| 48 a   | The Vice Presidents shall be elected by the Corporate Membership from among those who have held office as Vice President for at least one full session at the time of <del>closing nominations for the election</del> OR from among the Class of Fellows who have been on the Roll as Fellows for more than five (05) years at the time of <del>closing nominations for the election</del> and served in Council at least for two (02) sessions at the time of <del>closing nominations for the election</del> OR has served as a Chairman of a Sectional Committee for 3 sessions of which at least one session as a Fellow at the time of <del>closing nominations for the election</del> . They will hold office for one session provided they have not held this office for five consecutive sessions immediately preceding such appointment. | The Vice Presidents shall be elected by the Corporate Membership from among those who have held office as Vice President for at least one full session at the time of <u>taking over office as Vice President</u> OR from among the Class of Fellows who have been on the Roll as Fellows for more than five (05) years at the time of <u>taking over office as Vice President</u> and served in Council at least for two (02) sessions at the time of <u>taking over office as Vice President</u> OR from among the <u>Class of Members who have been on the Roll as Members for more than eight (08) years at the time of taking over office as Vice President and served in Council at least for four(04) sessions at the time of taking over office as Vice President</u> OR has served as a Chairman of a Sectional Committee for 3 sessions of which at least one session as a Fellow at the time of <u>taking over office as Vice President</u> . They will hold office for one session provided they have |

|  |  |  |
|--|--|--|
|  |  | not held this office for five consecutive sessions immediately preceding such appointment. |
|--|--|--|

### **Observations of the By Laws Revision Committee**

This resolution submitted by Eng. W Tilak R de Silva F-733 and Eng.(Lt. Col.) Dr C D Gamage M-5744 has been dated 26 July 2016 and received by the CEO/ES IESL, on the 26 July 2016.

The closing date for receipt of resolutions was 25 July 2016. Therefore, the Committee did not take this resolution for discussion.

### **Comments of the Council**

The Council agrees with the observations made by the By Laws Revision Committee

**The proposer of the resolution Eng. Thilak De Silva stated because the resolution had not received by the closing date the resolution is withdrawn.**

### **Resolution 9**

Proposer : Eng.(Lt.Col.) Dr. C D Gamage (M-5744)

Seconder : Eng. H Samantha (M-6312)

### **Title**

Resolution to re-assert the request of the Corporate Membership of IESL to implement 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.

### **Resolution**

This House resolves that the election to the Council of the IESL in 2017 shall be conducted using online e-voting as one of the methods available for the Corporate Members to cast their vote.

Eng. (Dr.) Chandana Gamage presented the resolution to the house. Eng. (Dr.) K Laksiri stated, it is utmost important to have a high security system and he further stated the budget which has not yet finalized needs to have council approval. In the absence of further commends resolution was put to

a vote. **The resolution had 47 in favour, none against and 03 abstentions. Accordingly, the resolution adopted.**

### **Resolution 10**

Proposer : Eng.(Lt.Col.) Dr. C D Gamage (M-5744)

Seconder : Eng. S A Samarakoon (M-5013)

#### **Title**

Resolution 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 2016/2017 shall not engage in paid assignments from the IESL College of Engineering (Pvt) Ltd.

Eng. (Dr.) C Gamage presented the resolution to the house and President put the resolution to the house for deliberations.

Eng. Shavi Fernando stated that WA status did not come on a platter, since 2007 many of our past Presidents worked extremely hard to reach this goal. He further elaborated, all the hard ships under gone by past Presidents and all other members. He further stated that the programs of IESLCE could not be accredited by IESL itself. He stated that he is voluntarily performing teaching assignments at IESLCE without any payments. He requested the proposer of the resolution to withdraw the same.

Eng. Thilak De Silva stated that this resolution is not reasonable, as engineers we are guided by our own ethical code. As such we all know what we should do and what we should refrain doing. He further stated resolutions should not be taken up arising on such grounds. He eventually stated the resolution is not ethical so requested proposer to withdraw the resolution.

Eng. P. Thangamayil stated, the resolution seriously violates two fundamental rights.

- i. Any person's right to get occupied in any occupancy (Article 14.1G)

ii. Create discrimination (Article 12.0 subsection 2). Resolution does not state anything about those involved in similar activities at SLIIT, state universities etc., Because of these violations, resolutions could be challenged in courts.

Eng. (Dr.) Ananda Ranasinghe suggested to remove the phrase “for the session 2016/2017” otherwise it seems an attempt aimed at an individual. He further stated he supports the resolution subjected to the removal of the said phrase.

Eng. Loku Balasooriya stated that though similar circumstances are there with KDU, SLIIT, private universities etc., this resolution does not state nothing about these institutions.

Eng. Chatura De Silva asked who is going to accredit the IESLCE programs. President stated that this issue will take up as a priority issue.

Eng. (Dr.) C Gamage stated that this resolution is only for this council session. This has not aimed at an individual, yet there may be several others who might get affected, means resolution targets on many people not on an individual.

Eng. Shavi Fernando requesting not to be emotional stated that IESL is the sole institution responsible for accreditation of engineering programs conducted by any university in Sri Lanka.

In the absence of further comments, the resolution was put to a vote. **The resolution had 36 in favor, 25 against and 03 abstentions. Accordingly, resolution adopted.**

President expressing his gratitude to all those attended the adjourned AGM, concluded adjourned AGM at 1935hrs.

**Eng. Granie R Jayalath**  
Honorary Secretary for the session  
2016/2017

# RESOLUTIONS

## RESOLUTIONS PROPOSED BY THE COUNCIL

### Resolution - 1

Council endorsed the amendment to By-Laws 86(b), the definition for 'Majority of two thirds' recommended by the By-Laws Revision Committee.

| 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.</p> <p>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.</p> <p>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 means 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> |

### Resolution – 2

#### Background

The By law 113 was amended in the year 2013 to read as it is presently enforced. Before this change the abbreviation indicated was Int' PE SriLanka. The reason for the change was that in case IESL fails to achieve the full membership granted to the IESL after periodic reviews, by the International

Professional Engineering Alliance (IPEA), then the provision of using the abbreviation Int'PE Sri Lanka has also to be forbidden. Therefore, the Council decided that it would be safe to introduce an abbreviation PESri Lanka that could be continuously used even in case there arises a situation that IESL fails to achieve the full membership of the IPEA.

However, the Registration Board is now of the opinion that there is no reason why the IESL cannot achieve the full membership at the periodic reviews if the IESL maintains required standards and practices in regard to entry qualifications, at the reviews of individual candidates, and the CPD requirements and it would be therefore pessimistic to have the abbreviation PE Sri Lanka in the By Law 113. Also there are obvious reasons for more members to obtain the higher qualification. Therefore, the Council on the recommendation of the Registration Board and By Laws Revision Committee have moved this amendment to By-Laws 108, 109, 113 and 114 to read as follows.

| Existing By-law   | Proposed By-law   |
|---|---|
| <p><b>Registration Board</b></p> <p>108<br/>The Institution shall establish a Registration Board to regulate matters related therewith as well as the development of Professional Engineers.</p> <p>109<br/>The Registration Board shall be named as the Institution of Engineers, Sri Lanka Registration Board for Professional Engineers.</p> <p>113<br/>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.</p> <p>114<br/>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.</p> | <p>108<br/>The Institution shall establish a Registration Board to regulate matters related with and development of <b>International</b> Professional Engineers.</p> <p>109<br/>The Registration Board shall be named as the Institution of Engineers, Sri Lanka Registration Board for <b>International</b> Professional Engineers.</p> <p>113<br/>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.</p> <p>114<br/>...To be removed...</p> |

### **Comments of the Council**

The Council agrees with the recommendations of Registration Board and the By Laws Revision Committee.

### **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 has 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                                   |

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 2018 on or before January 31, 2018.

### **RESOLUTIONS PROPOSED BY 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.

## Resolution

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   |
|---|---|
| <p>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.</p> <p>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> </ol> | <p>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.</p> <p>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> </ol> |

|   |  |
|---|--|
| <p>d. Agricultural &amp; Plantation Engineering<br/>e. Chemical and Process Engineering<br/>f. Building Services Engineering<br/>g. Information Technology and Communication Engineering</p> <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>d. Agricultural &amp; Plantation Engineering<br/>e. Chemical and Process Engineering<br/>f. Building Services Engineering<br/>g. Information Technology and Computer Engineering</p> <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> |
|---|--|

### **Observations of the By-Laws Revision Committee**

The By-Laws Committee recommends to tag the term 'communication' onto the name of the Electrical & Electronic Engineering Sectional Committee, after consulting the Chairman of said committee, since the term 'Communication' is completely dropped with this resolution. Hence By-Laws revision Committee recommends not to proceed with the Resolution.

### **Comments of the Council**

The Council agrees with the recommendations of the By-Laws committee.

## **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<br>(not including IPP) | Active Engagement in Council<br>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 :<br>i. The President<br>ii. Two Past-Presidents<br>iii. President – Elect<br>iv. Three Vice-Presidents | 44. The Council shall consist of the following members :<br>i. The President<br>ii. Immediate Past-President<br>iii. President – Elect<br>iv. Three Vice-Presidents |

|  |  |
|--|--|
| v. Honorary Secretary<br>vi. Honorary Treasurer<br>vii. Chairmen of Sectional Committees as per By-Law 98.<br>viii. Six Fellows<br>ix. Ten Members of whom FIVE shall be under 40 years of age at the time of closing of nominations for the election. | v. Honorary Secretary<br>vi. Honorary Treasurer<br>vii. Chairmen of Sectional Committees as per By-Law 98.<br>viii. Six Fellows<br>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 agrees with the observations of the By-Laws Revision Committee.

### **Resolution - 6**

**Proposer :** Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder :** Eng. Dr. C. R. De Silva, M-5751

### **Title**

Resolution 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<br>2010/2011              | Session<br>2011/2012                | Session<br>2012/2013  | Session<br>2013/2014             | Session<br>2014/2015             | Session<br>2015/2016        | Session<br>2016/2017        | Session<br>2016/2017<br>(updated) |
|-----------------------------------|-----------------------------------|-------------------------------------|-----------------------|----------------------------------|----------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| <b>Ex-Officio (IESL Officers)</b> |                                   |                                     |                       |                                  |                                  |                             |                             |                                   |
| Presid<br>ent                     | Eng Prof<br>AnandaJayawa<br>rdane | Eng Brig Dr<br>AnandaRanasi<br>nghe | Eng Tilak De<br>Silva | Eng<br>Shavindranath<br>Fernando | Eng Dr SB<br>Wijekoon            | Eng<br>Wimalasena<br>Gamage | Eng<br>JayavilalMee<br>goda | Eng<br>JayavilalMee<br>goda       |
| Immed<br>iate<br>Past<br>Presid   |                                   |                                     |                       | Eng Tilak De<br>Silva            | Eng<br>Shavindranath<br>Fernando | Eng Dr SB<br>Wijekoon       | Eng<br>Wimalasena<br>Gamage | Eng<br>Wimalasena<br>Gamage       |

|                                      |                              |                            |                            |                           |                            |                            |                             |                             |
|--------------------------------------|------------------------------|----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|
| ent                                  |                              |                            |                            |                           |                            |                            |                             |                             |
| President Elect                      | Eng Brig Dr AnandaRanasinghe | Eng Tilak De Silva         | Eng Shavindranath Fernando | Eng Dr SB Wijekoon        | Eng WimalasenaGamage       | Eng JayavilalMee goda      | Eng Prof NiranjaniRatnayake | Eng Prof NiranjaniRatnayake |
| Executive Secretary                  | Eng ArundathiWimalasuriya    | Eng ArundathiWimalasuriya  | Eng ArundathiWimalasuriya  | Eng ArundathiWimalasuriya | Eng ArundathiWimalasuriya  | Eng Dr JagathPeiris        | Eng Dr JagathPeiris         | Eng Neil Abeysekera         |
| <b>Nominated (IESL Officers)</b>     |                              |                            |                            |                           |                            |                            |                             |                             |
| Vice President #1                    | Eng Shavindranath 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 RanjithGunawardana       | Eng RanjithGunawardana     | Eng RanjithGunawardana     | Eng RanjithGunawardana    |                            |                            |                             |                             |
| Nominee                              | Eng Dr Mervin Gunasekara     | Eng Dr Mervin Gunasekara   | Eng Dr Mervin Gunasekara   |                           | Eng Dr Mervin Gunasekara   |                            |                             |                             |
| Nominee                              | Eng Prof LakshmanRatnayake   | Eng Prof LakshmanRatnayake | Eng Prof LakshmanRatnayake |                           | Eng Prof LakshmanRatnayake | Eng Prof LakshmanRatnayake | Eng Prof LakshmanRatnayake  |                             |
| Nominee                              |                              |                            |                            | Eng Prof SBS Abayakoon    |                            |                            |                             |                             |
| Nominee                              |                              |                            | Eng ArjunaManamperi        |                           |                            |                            |                             |                             |
| Nominee                              |                              |                            |                            | Eng MangalaYapa           | Eng MangalaYapa            | Eng MangalaYapa            |                             |                             |

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 AnandaJayawardane, Eng Prof SBS Abayakoon, Eng Dr SB Wijekoon, Eng Prof DAR Dolage, and Eng Prof LakshmanRatnayake. 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 is of the opinion that roles of different academic boards should clearly be defined and be explained to the general membership

### **Resolution - 7**

**Proposer :** Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder :** Eng. Dr. C. R. De Silva, M-5751

#### **Title**

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 Olivil 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 is 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.

### **Resolution - 8**

**Proposer** : Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder** : Eng. Dr. C. R. De Silva, M-5751

#### **Title**

Resolution 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 tutory-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 on par with the prevailing UGC requirements. Secretariat to provide documentary evidences to validate council stand.

### **Resolution - 9**

**Proposer** : Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder** : Eng. S. A. Samarakoon, M-5013

### **Title**

Resolution 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 is the opinion of the Council that the resolution be put to the general membership for deliberations.

### **Resolution – 10**

**Proposer** : Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Second**er : Eng. S. A. Samarakoon, M-5013

### **Title**

Resolution 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 is of the opinion that CRO's report over the IESL council Election 2017/2018 should also be available for the general membership.

## **Resolution – 11**

**Proposer** : Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder** : Eng. M. P. D. Lathsara, M-6442

### **Title**

Resolution 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 decides to obtain the legal advice and disclose it at the AGM.

## **Resolution – 12**

**Proposer** : Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder** : Eng. M. P. D. Lathsara, M-6442

### **Title**

Resolution 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 is of the opinion that these reports should also be made available for general membership.

### **Resolution – 13**

**Proposer :** Eng. Lt. Col. Dr. C. D. Gamage, M-5744

**Seconder :** Eng. M. P. D. Lathsara, M-6442

### **Title**

Resolution 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 is the stand of the Council that Secretariat should circulate reports already available in respect of this incident among all Council Members.

## **Resolution – 14**

Resolution to Re-establish the previous qualifying Procedure for Engineering Diploma Holders to obtain AMIE(SL)

**Proposer :** Eng. S T D O Warapitiya

**Seconder :** Eng. B H H Liyanage

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 observes, 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.

# PROGRAMME

*Inauguration of the*

## **111<sup>th</sup> Annual Sessions**

*on*

**Friday – October 20, 2017**

*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 :<br/>Eng. Jayavilal Meegoda, President - 2016/2017</i>   |
| 10.05 am - 10.20 am   | <i>Address by the Guest of Honour<br/>Hon. (Dr.) Harsha De Silva, Deputy Minister of National Policies and Economic Affairs</i>   |
| 10.20 am - 10.50 am   | <i>Address by the Keynote Speaker:<br/>Prof. Tim Broyd, President, Institution of Civil Engineers, London</i>   |
| 10.50 am - 11.05 am   | <i>Address by the Chief Guest<br/>Hon. Patali Champika Ranawaka, Minister of Megapolis &amp; Western Development.</i>   |
| 11.05 am - 11.30 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, Eng. Wimalasena Gamage</i></li></ul> |
| 11.30 am - 11.35 am   | <i>Induction of the President for the Session 2017/2018</i>   |
| 11.35 am - 11.55 am   | <i>Address by the President - 2017/2018, Eng. (Prof.) Mrs. Niranjanie Ratnayake</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:<br/>Eng.(Prof.) T M Pallewatta, President Elect - 2017/2018</i>  |
| 12.05 pm              | <i>Refreshments</i>   |

# **III<sup>TH</sup> ANNUAL SESSIONS–PROGRAMME**

**OCTOBER 13, 14, & 15**

TECHNO 2017 Exhibition

at BMICH

**(Sirimavo Bandaranaike Exhibition Centre)**

**FRIDAY - OCTOBER 20**

**Inauguration of 111<sup>th</sup> Annual Sessions**

9.00 a.m.

at

BMICH – Colombo

**(Main Hall)**

**SATURDAY - OCTOBER 21**

**FEISCA Regional Conference**

on

***‘Energy Policy for Regional Co-operation & Development’***

8.30 a.m.

at

Grand Crystal Ballroom – Hotel Taj Samudra

**FEISCA Executive Committee Meeting**

6.30 p.m.

at

Cinnamon Grand, Colombo

**SUNDAY - OCTOBER 22**

Visit to  
**Lakvijaya Coal Power Plant, Norochcholai**  
**and**  
**INSEE Cement Factory, Puttalam**  
(Buses will leave IESL at 5.00 a.m.)

**MONDAY- OCTOBER 23 to TUESDAY – OCTOBER 24**

9.00a.m.  
Presentation of Technical Papers  
at  
Wimalasurendra Auditorium - IESL

**WEDNESDAY– OCTOBER 25**

Young Members' Technical Conference  
9.00 a.m.  
at  
Wimalasurendra Auditorium - IESL

**SATURDAY – OCTOBER 28**

Annual General Meeting  
8.30 a.m.  
at  
'Nugasevana' - BMICH

**WEDNESDAY - NOVEMBER 1**

Techno Sri Lanka Awards Ceremony  
7.00 p.m.  
at  
Hotel Kingsbury

## **111<sup>th</sup> ANNUAL SESSIONS TECHNICAL PAPERS PROGRAMME**

**MONDAY - OCTOBER 23, 2017**

### **MORNING SESSION - A**

#### **CIVIL ENGINEERING - GEO-TECHNICAL ENGINEERING**

- 9.00 – 9.20 a.m.       -       Rainfall Thresholds for Initiation of Landslides in Ratnapura District**  
By: Eng. L R Abhayarathne  
  
**Civil – Geotechnical**
- 9.20 – 9.40 a.m.       -       Experimental Study on the Effect of Presence of Deep Embedded Retaining Walls on the Settlement of Shallow Foundations**  
By : Eng. M P Amarasinghe and Eng. (Dr.) L I N De Silva  
  
**Civil – Geotechnical**
- 9.40 -10.00 a.m.       -       Shrinkage Behavior of a Liner Material with Expansive Properties for use in an Engineered Landfill**  
By : Eng. (Ms) V Kayaththiry  
  
**Civil - Geotechnical**
- 10.00 – 10.20 a.m.       -       Identification of clayey properties for cricket pitch surfacing and analysing the variation of surface crack densities in different pitches**  
By : Eng. W S U Perera, Eng. (Dr.)U P Nawagamuwa and G N U Thilakarathna  
  
**Civil – Geotechnical**
- 10.20 – 10.40 a.m.       -       Design of Soil-Cement-Bentonite (SCB) backfill and construction of SCB slurry walls along the earthen dam at Iranamadu Reservoir in Kilinochchi**  
By: Eng. P N Wickramarachchi, Eng. S Weerakoon, S Semage, Eng. N Madushanka and Eng. T Rajagobu  
  
**Civil – Geotechnical**

## CIVIL ENGINEERING - STRUCTURAL ENGINEERING

- 10.40 – 11.00 a.m. - **Ballast Mats Made of Recycled Tyre Waste to Enhance the Performance of Rail Track Substructure under Cyclic Load**  
By: Eng. (Dr.) S K Navaratnarajah and Eng. (Prof.) B Indraratna

**Civil - Structural / Construction**

- 11.00 – 11.20 a.m. - **Analysis of Energy Dissipation in Post-Tensioned Hybrid Precast Concrete Frames**  
By: Eng. K L P S Perera, Eng. W D C R Wanniarachchi and Dr. P Thammarak

**Civil - Structural**

- 11.20 – 11.40 a.m. - **Study on Filler Slab Construction**  
By: Eng. (Dr.) K Baskaran, Eng. A Gopikrishna and Eng. P Thiruvarankan

**Civil - Structural / Construction**

- 11.40 – 12.00 noon - **Energy Dissipater for Post-Tensioned Steel Frame System**  
By: Eng. W D C R Wanniarachchi, Eng. K L P S Perera and Dr. P Thammarak

**Civil - Structural**

- 12.00 -12.20 p.m. - **Simplified Approach for Predicting Fatigue Life of Fillet Welded Joints with FEM**  
By: Eng. (Ms.) S Varakini, Eng. K Ubamanyu and Eng. (Dr.) H M Y C Mallikarachchi

**Civil - Structural**

- 12.20 – 12.40 p.m. - **Growing Colombo: Some Concerns from Wind Engineering Point of View**  
By: Dr. A U Weerasuriya and Mr. K A B Weerasinghe

**Civil - Structural**



- 12.40 – 1.00 p.m. - **Contributory factors for Cost and Time Overruns of Construction Projects**  
By: Eng. Leelanath Daluwatte and Eng. (Prof.) Malik Ranasinghe
- Civil – Construction**
- 1.00 – 1.20 p.m. - **Sub-Contracting and Accident Risk in Construction Industry : A Case Study in Singapore**  
By: Eng. W A Asanka and Eng.(Prof.) Malik Ranasinghe
- Civil – Construction**

**MONDAY – OCTOBER 23, 2017**

**AFTERNOON SESSION –A**

**MECHANICAL ENGINEERING**

- 2.00 – 2.20 p.m. - **Techno-Economic Analysis of Building Energy System with Net Meter Solar PV in Sri Lanka**  
By: Eng. (Dr.) K T M U Hemapala and T M S C Jayasinghe
- Mechanical - Energy**
- 2.20 – 2.40 p.m. - **Multi-Functional Floor Cleaning Robot for Domestic Environment**  
By: Mr. H G T Milinda and Eng. B G D A Madhusanka
- Mechanical/Electronics – Mechatronics**
- 2.40 – 3.00 p.m. - **Development of CZTS thin Film from Spin Coating for Solar Cell Application**  
By: H A D I Dilshan, W D D Weerasinghe, Eng. N L W Wijewantha, Eng. W P S Wijesinghe and Dr. D Atygalle
- Mechanical – Energy / Materials**
- 3.00 – 3.20 p.m. - **Characterization of fuel briquettes made for household cooking from sawdust and rice husk**  
By: M Y A R Ahmed, U M A Devaraja and K A R Mihiranga and Prof. B A J K Premachandra
- Mechanical – Energy**

- 3.20 – 3.40 p.m. - **Energy Management System of a Solar Driven DC System**  
By : H M A A B Herath, K K S U Kodithuwakku, D R D S Dasanayaka, Dr. P J Binduhewa, Eng. (Prof.) J B Ekanayake and Eng. (Dr.) S M K B Samarakoon

**Mechanical – Energy**

- 3.40 – 4.00 p.m. - **Assessing the Performance of a Destructive Measurement System: A Case of an Industrial Glove Manufacturing Environment**  
By: H A D Perera and Dr. P Gamage

**Mechanical – Industrial and Manufacturing**

- 4.00 – 4.20 p.m. - **Development of ANN Based IMC for Biomass Pack Bed Gasification Plant with Enhanced Efficiency**  
By : Eng. G V C Rasanga, Eng. (Dr.) K T M U Hemapala and Eng. (Dr.) A G Buddhika P Jayasekara

**Mechanical – Energy**

- 4.20 – 4.40 p.m. - **Organic Rankine Cycle (ORC): Performance of Working Fluids and Energy Recovery Potential in Sri Lankan Thermal Power Plants**  
By : Eng. B S R Fernando, Dr. R A C P Ranasinghe and Dr. H K G Punchihewa

**Mechanical Energy**

- 4.40 – 5.00 p.m. - **Mechanized Fertilizer Applicator Operated by Two-wheel Tractor for Coconut Plantation Industry in Sri Lanka**  
By: Eng. S A P S Silva

**Mechanical - Agricultural**

**MONDAY – OCTOBER 23, 2017**

**MORNING SESSION – B**

**CIVIL ENGINEERING – WATER & COASTAL ENGINEERING**

- 9.00 – 9.20 p.m. - **Water Loss Reduction by Understanding the Reticulation a Case Study**  
By : Eng. S G G Rajkumar

**Civil – Water Supply**

- 9.20 – 9.40 a.m. - Implementation of Water Safety Plans for Rural Water Supply Schemes Managed By CBOs in Sri Lanka – Common Risks and Analysis**  
By: Mr. T R Samaraweera and Eng. (Prof.) (Mrs.) Niranjanie Ratnayake  
**Civil – Water Supply**
- 9.40 – 10.00 a.m. - A study on recontamination risks in water distribution systems, using a network model**  
By : Mr. M H V Lasantha and Eng. (Prof.) (Mrs.) Niranjanie Ratnayake  
**Civil – Water Supply**
- 10.00 – 10.20 a.m. - Review of Irrigation Ordinance and Identifying the Gaps to fulfil the Current Needs of the Society**  
By: Eng. (Mrs.) Badra Kamaladasa, Eng. Lalith De Alwis and Eng. G D F U Perera  
**Civil –Water Resources/Irrigation**
- 10.20 – 10.40 a.m. - Analysis of Long-term Trends of Climatological Parameters in Kigali, Rwanda**  
By: Eng. (Dr.)D P C Laknath, Eng. N R Josiah and Eng. T A J G Sirisena  
**Civil – Water Resources**
- 10.40 – 11.00 a.m. - Development of a Flood Forecasting And Data Dissemination System For Kalu River Basin in Sri Lanka**  
By: Eng. S Kokularamanan, Eng. (Dr.) A W M Rasmy, Eng. (Dr.) Duminda Perera and Eng. (Prof.) Toshio Koike  
**Civil- Water Resources**
- 11.00 – 11.20 a.m. - A GIS based Asset Management Approach to Upgrade the Level of Service to Pipe Borne Water Consumers in Western North Region**  
By: Eng. A M H KAbeykoon and Eng. B U J Perera  
**Civil – Water Supply**

**11.20 – 11.40 a.m. - Application of 3D Physical Modelling for Verification and Optimization of Hydraulic Designs for Salinity Barriers in Sri Lanka**

By: Eng. (Mrs.) S M C K Subasinghe, Eng. (Ms.) K P S T Pathirana, Eng. (Ms.) N L Engiliyage and Eng. G H N Rathnasiri

**Civil – Hydraulics**

**11.40 – 12.00noon - Numerical Model Investigations on Dispersion of Industrial Effluents in East Coast of Sri Lanka**

By: Eng. (Dr.) S Wickramaratne and Eng. (Ms.) K P S T Pathirana

**Civil – Coastal / Environmental Eng.**

**12.00 – 12.20 p.m. - Numerical Modelling Study for RahfalhuHuraa Resort Development in Maldives**

By: Eng. M S L Fernando, Eng. I L Abeygoonasekara and Eng. S M D E Suriyamudali

**Civil – Coastal Eng.**

**12.20 – 12.40 p.m. - Wave Tranquillity Study for a Fishery Harbour using Boussinesq Type Wave Model**

By: Eng. D P C Laknath, Eng. D E N Senarathne and Eng. K K P P Ranaweera

**Civil – Coastal Eng.**

**12.40 – 1.00 p.m. - Verification of Wave Transformation to Establish the Nearshore Wave Climate**

By: Eng. (Dr.) D P L Ranasinghe, Eng. N L Engiliyage, Eng. H P G M Caldera and Eng. I G I Kumara

**Civil – Coastal Eng.**

**MONDAY - OCTOBER 23, 2017**

**AFTERNOON SESSION - B**

**MATERIALS ENGINEERING**

- 2.00 – 2.20 p.m.        -        **Fabrication and Mechanical Property Analysis of Microcrystalline Cellulose Based Polymer Composite for Engineering Applications**  
By: H A D Saumyadi, L D Rajapaksha, Eng. A M P B Samarasekara, Dr. D A S Amarasinghe and Dr. L Karunanayake

**Materials**

- 2.20 – 2.40 p.m.        -        **Synthesis and Characterization of Nanoparticle-incorporated Antimicrobial Coating for Food Packaging Applications**  
By: S P A Madushani, D P Egodage, Eng. A M P B Samarasekara, Dr. D A S Amarasinghe, H T S Jayalath and S M N S Senerath

**Materials**

- 2.40 – 3.00 p.m.        -        **CHEMICAL ENGINEERING**  
**Assessing the Impact on Environment, Health and Safety due to Releases from Chemical Process Routes**  
By: Buddika Anuradha, Eng. (Dr.) Manisha Gunasekera and Dr. Olga Gunapala

**Chemical Eng.**

**ENGINEERING MANAGEMENT**

- 3.00 -3.20 p.m.        -        **Antecedents of Work Engagement : Case Study of Outsourced Employees in Telecommunication Service Sector of Sri Lanka**  
By: Eng. K A Chathura S Kumarasinghe

**Management**

- 3.20 – 3.40 p.m.        -        **The structure of land prices in Colombo and its implications**  
By : Eng. (Dr.) P I A Gomes and R K Hashan

**Management**

- 3.40 – 4.00 p.m.      -      **Knowledge Management System for Mobile Telecommunication Sector in Sri Lanka**  
By: Eng. Jeewantha Nadeera, Eng. (Ms.) Shalanika Dayarathna and Eng. Eranda Ihalagedara
- Management**
- 4.00 – 4.20 p.m.      -      **Effect of Technical and Non-Technical competence on the job performance of Private Sector Engineers in Sri Lanka With special reference to a group of large scale engineering companies**  
By : Eng. J R Ekanayayake
- Management**
- 4.20 – 4.40 p.m.      -      **Artificial Bone Substitutes and Bone Tissue Engineering as Alternative Methods for Natural Bone Repair and Regeneration in Severe Traumas and Complex Clinical Conditions of Bones.**  
By : Miss. B R M G W U B Balagalla
- Biomedica**

## **TUESDAY – OCTOBER 24, 2017**

### **MORNING SESSION – A**

#### **ELECTRICAL & ELECTRONICS ENGINEERING**

- 9.00 – 9.20 a.m.      -      **Condition Assessment of Power Transformers using Dissolved Gas Analysis**  
By : Eng. W T D Samarasingha, Eng. (Dr.) J R S S Kumara and Eng. (Prof.) M A R M Fernando
- Electrical & Electronics**
- 9.20 – 9.40 a.m.      -      **Battery - Supercapacitor Hybrid Energy Storage Control for Electric Vehicle**  
By: Mr. W M J Madhusankha, Mr. G A T P Madhuranga, Mr. S A S Indika, Eng. (Dr.) B G L T Samaranayake, Eng. (Dr.) P J Binduhewa and Eng. (Prof.) J B Ekanayake
- Electrical & Electronics**

- 9.40 – 10.00 a.m.** - **Pitch Control of a Twin Rotor System using Error Dynamics Based Nonlinear Controller**  
By: Yasitha Liyanage, Jagannath Wijekoon, Eng. Shirantha Welikala and Eng. (Dr.) Lilantha Samaranayake  
  
**Electrical & Electronics**
- 10.00 – 10.20 a.m.** - **Museum Navigation System with Beacons**  
By: Eng. N D C D Kannangara and Eng. W D S S Bandara  
  
**Electrical & Electronics**
- 10.20 – 10.40 a.m.** - **Adaptation of SCASA Technique for surge Protective Devices for Equatorial Belt Countries**  
By : Eng. J P D S Athuraliya, Eng. N L Rathnayake, Eng. N A A N Dilrukshi, Eng. P Mahadevan, Eng. R Gihara, T M S Dias, S R J S Bandara, H Wijesooriya and Nihal Kularatna  
  
**Electrical & Electronics**
- 10.40 – 11.00 a.m.** - **Detecting Key Actors in Multiple SIM Networks Via Centrality Measures and Mobile Service usage Behaviors**  
By: Eng. (Dr.) A J M Korale and Mr. N S Weeraman  
  
**Electrical & Electronics**
- 11.00 – 11.20 a.m.** - **Intelligent Pest Repellent System For Sri Lankan Farming Industry**  
By : Eng. P N Karunanayake, W H H N de Soysa, J A C L C Jayasundara, Y G Wanniarachchi and A P I Karunarathne  
  
**Electrical & Electronics**
- 11.20 – 11.40 a.m.** - **Land Cover Classification and Sub Component Analysis Using Hyperspectral Imagery**  
By: Ms. A M R Abeysekara, Mr. T S J Oorloff, Ms. S S P Vithana, Eng. (Dr.) H M V R Herath, Eng. (Dr.) G M R I Godaliyadda and Eng. (Dr.) M P B Ekanayake  
  
**Electrical & Electronics**

**11.40 – 12.00noon - Spatial Modulation for Indoor MIMO Visible Light Communication System**  
 By : Mr. U G R K W S Palitharathna, Mr. A G D U K Samarasinghe, Mr. Y M L D Wijayarathna, Eng. (Dr.) S A H A Suraweera and Eng. (Dr.) G M R I Godaliyadda

**Electrical & Electronics**

**TUESDAY – OCTOBER 24, 2017**

**AFTERNOON SESSION – A**

**ELECTRICAL & ELECTRONICS ENGINEERING**

**2.00 – 2.20 p.m. - Laser Ranging Based Intelligent System for Unknown Environment Mapping**  
 By: Mr. T H M N C Thelasingha, Mr. U V B L Udugama, Ms. E M S P Ekanayake, Eng. (Dr.) G M R I Godaliyadda, Eng. (Dr.) M P B Ekanayake, Eng. (Dr.) B G L T Samaranayake and Eng. (Dr.) J V Wijayakulasooriya

**Electrical & Electronics**

**2.20– 2.40 p.m. - A Novel Handover Mechanism for Visible Light Communication Network**  
 By : M A N Perera, N G K R Wijewardhana, A A D T Nissanka, Dr. S A H A Suraweera and Eng. (Dr.) G M R I Godaliyadda

**Electrical & Electronics**

**2.40 – 3.00 p.m. - Technical, Economic, Operational and Dispatch Analysis of Optimum Integration of Renewable Energy in to the Sri Lankan Power system**  
 By : Eng. Buddhika Samarasekara, Eng. Randika Wijekoon and Eng. Lathika Attanayake

**Electrical & Electronics**

**3.00 – 3.20 p.m. - Optimum Use of Solar Inverter by Feeding Reactive Power at the Night**  
 By: Eng. (Ms.) K Kanchanee Navoda and Eng. (Dr.) Asanka S Rodrigo

**Electrical & Electronics**



3.20 – 3.40 p.m. - **Smart Electronic Analyzer for Determination of Chicken Meat Spoilage**  
By: M P U Isuranga, Ms. H Pasqual and Dr. N S Weerakkody

**Electrical & Electronics**

3.40 – 4.00 p.m. - **Power Electronic Interface of a Solar Driven DC System**  
By : W W M D B Wijesinghe, HMKCB Wijerathne, B H T S Gunaratne, Dr. P J Binduhewa and Eng. (Prof.) J B Ekanayake

**Electrical & Electronics**

**TUESDAY – OCTOBER 24, 2017**

**MORNING SESSION – B**

**CIVIL ENGINEERING – ENVIRONMENTAL ENGINEERING**

9.00 – 9.20 a.m. - **Energy Efficiency Benchmarking of Pumps in Water and Wastewater Industries in Sri Lanka**  
By: Eng. B G A Dinesh

**Environmental**

9.20 – 9.40 a.m. - **Feasibility of Hybrid Reactors for Removal of Heavy Metals in Wastewater**  
By: G S Nallaperuma and Dr. W M K R T W Bandara

**Environmental**

9.40 – 10.00 a.m. - **Feasibility of UASB Reactor for Removal of Heavy Metal in Wastewater**  
By: U L N C Jayathileke and Dr. W M K R T W Bandara

**Environmental**

10.00 – 10.20 a.m. - **GIS-Based Site Suitability Analysis for Wastewater Treatment Plants**  
By: N A Nusky, S I S Wijesingha, Dr. W M K R T W Bandara, B M L A Basanayake and Dr. Terrance M Rengarasu

**Environmental**

**10.20 – 10.40 a.m. - Air Pollution Monitoring Through Crowdsourcing**  
By : Eng. M I N P Munasinghe, Eng. (Dr.) G I U S Perera,  
Mr. J K W D B Karunathilaka, Mr. B C S Cooray and Eng.  
K G D Manupriyal

**Environmental**

**10.40 – 11.00 a.m. - A Conceptual Tool for Assessing Building Life Cycle Carbon Emissions in the Context of Sri Lanka**  
By: Eng. R P Kumanayake, Prof. H B Luo and  
Eng. R M P S Bandara

**Environmental**

**11.00 – 11.20 a.m. - Upgrading of the Existing Sedimentation Tank at Hemmathagama Water Supply Scheme**  
By: Eng. L Wijesinghe and Eng. (Dr.) D R I B  
Werellagama

**Environmental**

**11.20 – 11.40 a.m. - Risk Assessment of the Active Ingredient, Glyphosate of the Herbicide, *ROUNDUP*® Present in Water Sources of CKDu Prevalent Areas for Humans**  
By: Eng. S Gunarathna, Eng. (Dr.) B Gunawardana, Eng.  
(Prof.) M Jayaweera and K Zoysa

**Environmental**

**11.40 – 1200noon - Field-Scale Study on Treating Landfill Leachate Using Anaerobic Filters Packed with Low-Cost Filter Media**  
By : Eng. (Dr.) W K C N Dayanthi, B S R Nanayakkara, K  
Kawamoto, M D B A Premathilaka and O V N Dulvin

**Environmental**

**12.00 – 12.20 p.m. - Variations to Key Chemical Parameters during Dried Faecal Sludge and Municipal Solid Waste Co-Composting**  
By: Eng. H M N Jayawardena, Eng. (Dr.) S C Fernando,  
Eng. (Dr.) S H P Gunawardena and Eng. N Jayathilake

**Environmental**

- 12.20 – 12.40 p.m. - **Life Cycle Assessment based Tool to visualize environmental impact of Construction materials & Products**  
By : H M M M Jayawickrama, K G N H Weerasinghe, R L Peiris and A K Kulatunga
- Environmental**
- 12.40 – 1.00 p.m. - **Safety Analysis of Anaerobic Digestion Plant Operation**  
By : Eng. (Dr.) Deshai Botheju and Eng. (Dr.) P G Rathnasiri
- Environmental**
- 1.00 – 1.20 p.m. - **Simulating the Effect of Modifying Reversed A2O Process on Combined Removal of Nitrogen, Phosphorous and Organic Matter in Municipal Wastewater**  
By: Eng. W B Roshen, P S Fernando and Eng. (Dr.) P G Rathnasiri
- Environmental**

**TUESDAY – OCTOBER 24, 2017**

**AFTERNOON SESSION – B**

**CIVIL ENGINEERING –  
ENVIRONMENTAL ENG./TRANSPORTATION/ HIGHWAYS**

- 2.00 – 2.20 p.m. - **Extraction of Cellulose from Sri Lankan Agricultural Waste for Engineering Applications**  
By: M P A Nanayakkara, W G A Pabasara, Eng. A M P B Samarasekara, Dr. D A S Amarasinghe and Dr. L Karunanayake
- Environmental**
- 2.20 – 2.40 p.m. - **Environmental impacts of organic fertilizer produced from industrial zone central effluent treatment plant sludge using Delta-D Technology**  
By : M F H M Aadhil and Eng. (Prof.) S A S Perera
- Environmental**

- 2.40 – 3.00 p.m. - **Field Experiments on Low-Cost Combined-Media an Anaerobic Filter System for the Treatment of Landfill-Leachate**  
By: Eng. D M T P Fernando, Eng. (Dr.) W K C N Dayanthi, Eng. K G D Chamenuka, Eng. B S R Nanayakkara and Prof. K Kawamoto
- Environmental**
- 3.00 – 3.20 p.m. - **Low-Cost drinking Water Filter**  
By: Mr. U A C Perera and Eng. (Dr.) (Ms.) S C S Karunaratne
- Environmental**
- 3.20 – 3.40 p.m. - **Monitoring Carbon Monoxide (CO) levels at five major schools in Kandy city using real time air quality monitoring sensor network**  
By: Eng. R G R N K Ariyaratne, Eng. (Dr.) D G G P Karunaratne, Eng. (Dr.) M A Elangasinghe, Eng. (Dr.) A Manipura, Dr. S P Kodithuwakku, Dr. A D Siribaddana and Mr. K H N Abayalath
- Environmental**
- 3.40 – 4.00 p.m. - **Dense Graded Asphalt for Sri Lanka : Considerations related to Climate and Different Traffic Conditions**  
By: Eng. W W Bandara and R P M M Premathilaka
- Civil Eng - Transportation / Highways**
- 4.00 – 4.20 p.m. - **Suitability of Recycled Pet Fiber and Carbonized Wood Ash in Hot Mix Asphalt Concrete**  
By : Eng. N Jegatheesan, Eng. (Dr.) T M Rengarasu and Eng.(Dr.) W M K R T Wasala Bandara
- Civil Eng - Transportation/Highways**
- 4.20 – 4.40 p.m. - **Evaluating Road user Cost for Highway Work Zones - Case Study for Urban Upgrading Projects in Sri Lanka**  
By:M H M Hamsath and Dr. H R Pasindu
- Civil -Transportation/Highways**

- 4.40 – 5.00 p.m. - **Development of a Methodology for Road Maintenance Planning of Low Volume Roads Based on Roughness Data**  
By: M A D De Silva and Dr. H R Pasindu
- Civil- Transport/Highways**
- 5.00 – 5.20 p.m. - **Travel Time Estimation Based on Dynamic Traffic Data and Machine Learning Principles**  
By: Sakitha P Kumarage, V M Jayawardana, Dimantha De Silva and Prof. J M S J Bandara
- Civil- Transport/ Highways**
- 5.20 – 5.40 p.m. - **Indoor Navigation System with RFID Tags for Virtually Impaired Individuals**  
By : J M K V Jayalath, D M G C Jayathilake, M A C I U Yapa, Dr. S A H A Suraweera and Eng. (Dr.) G M R I Godaliyadda
- Civil- Transport/ Highways**
- 5.40 – 6.00 p.m. - **Infrastructure Feasibility Analysis of Inland Water Transportation from Peliyagoda to Hanwella along Kelani River**  
By: K P H S Kalahe and Eng. (Dr.) R M N T Sirisoma
- Civil -Transportation/Highways**
- 6.00 – 6.20 p.m. - **Hydroplaning Risk Evaluation in High Speed Low Traffic Volume Highways**  
By: Eng. (Ms.) M D M Sheranie and Eng. (Mrs.) S Senevirathne
- Civil - Transportation/Highways**

# 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,<br>VD, MICE, MIWE    | A Woodeson, OBE, FRIBA, FSI  | W J Price, AMICE         |
| 1917 | T H Chapman, Lt.Col, OBE,<br>VD, MICE, MIWE    | A Woodeson, OBE, FRIBA, FSI  | W J Price, AMICE         |
| 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 |
| 1922 | Harold T Creasy, OBE, MICE,<br>AMIMechE        | A Woodeson, OBE, FRIBA, FSI  | Col. T G Jayawardene, VD |
| 1923 | M W Cole-Bowen, BA(Dublin),<br>BAI, MICE       | A Woodeson, OBE, FRIBA, FSI  | Col. T G Jayawardene, VD |
| 1924 | J A Stracham, CMG, MICE,<br>MIStructE, MBIPS   | A Woodeson, OBE, FRIBA, FSI  | Col. T G Jayawardene, VD |
| 1925 | J A Stracham, CMG, MICE,<br>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,<br>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 ,<br>ARTC(Glas)       | A D Parham, FRIBA, FSI, MTPI | W J Price, MICE          |
| 1935 | G K Thornhill, OBE, FSI,<br>FRGS, FRAS, FRMetS | A D Parham, FRIBA, FSI, MTPI | W J Price, MICE          |
| 1936 | J S Kennedy, MC, MA,<br>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, ARCS(Edin), AMIEE                               | A D Parham, FRIBA, FSI, MTPI   | H F Billimoria, MBE, BArch (Hons)L'pool, FRIBA |
| 1946 | Col. Stanley Fernando, OBE, ED,CE, MStructE             | { H F Billimoria, MBE, BArch(Hons) L'pool, FRIBA (Secretary)<br>Muhandiram J A L P Wijewardene, + ISO (Assistant Secretary)  | D A Peiris, AMIStructE                         |
| 1947 | Col. Stanley Fernando, OBE, ED,CE, MStructE             |  | 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, MStructE           |  | 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)<br>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     | - Do -   | C Rasiah, BSc(Lond), BA(Cantab), AMICE         |
| 1959 | T P de S Munasinghe, MICE                               | S Rajanayagam, OBE, BSc(Eng)(Lond) ACGI, AMIEE, (Secretary)<br>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,<br>ACE(Madras), MICE, MIWE   | S Rajanayagam, OBE,<br>BSc(Eng)(Lond),ACGI, AMIEE, Secretary)<br>Muhandiram J A L P Wijewardene,<br>+ ISO (Assistant Secretary)  | C Rasiah, BSc(Lond), BA(Cantab),<br>AMICE  |
| 1961 | D W E Meegama, BSc(Eng)<br>Glasgow, MICE   | S Rajanayagam, OBE,<br>BSc(Eng)(Lond),ACGI, AMIEE, Secretary)<br>Muhandiram J A L P Wijewardene,<br>+ ISO (Assistant Secretary)  | C Rasiah, BSc(Lond), BA(Cantab),<br>AMICE  |
| 1962 | E C de Alwis, BSc(Eng)Lond,<br>MICE, AMIMechE  | { S Rajanayagam, OBE, {BSc(Eng) Lond,<br>ACGI, MIEE (Secretary)<br>A Ragunather, BSc(Eng)Lond,<br>AMIMechE, (Asst. Secretary)<br>(upto 11-7-1962)<br>A C Wickramasinghe, AMICE,<br>AMIPHE, (Asst. Secretary) | C Rasiah, BSc(Lond), BA(Cantab),<br>AMICE  |
| 1963 | A E C de S Gunasekera, JP, MICE  | S Rajanayagam, OBE, BSc(Eng)Lond<br>ACGI, MIEE (Secretary)<br>A C Wickramasinghe, AMICE,<br>AMIPHE, (Asst. Secretary)  | C Rasiah, BSc(Lond), BA(Cantab),<br>AMICE  |
| 1964 | H R Premaratne, BSc(Eng) Edin,<br>MICE   | S Rajanayagam, OBE, BSc(Eng)Lond<br>ACGI, MIEE (Secretary)<br>A C Wickramasinghe, AMICE,<br>AMIPHE, (Asst. Secretary)  | C Rasiah, BSc(Lond), BA(Cantab),<br>AMICE  |
| 1965 | E B Anketell, BSc(Eng) Glasgow,<br>MICE, FIPHE, MIWE, MRSH                                       | C Rasiah, BSc(Lond), BA(Cantab),<br>MICE, MIWE(Secretary)<br>A F Deane (Asst.Secretary &<br>(Asst. Treasurer)  | A C Wickremasinghe, AMICE,<br>AMIPHE   |
| 1966 | V C de Silva, BSc(Eng) Lond,<br>AMICE,   | C Rasiah, BSc(Lond), BA(Cantab),<br>CEng, FICE, MIWE   | A C Wickremasinghe, AMICE,<br>AMIPHE   |
| 1967 | S Arumugam, BSc(Lond),<br>BSc(Eng)Lond, MICE, MIWE   | C Rasiah, BSc(Lond), BA(Cantab),<br>CEng, FICE, MIWE   | A C Wickremasinghe, AMICE,<br>AMIPHE   |
| 1968 | Prof. R H Paul, BSc(Spl)<br>MA(Cantab), CEng, MIEE, FRSA<br>L C Williams, BE(Civil) Madras, MICE | C Rasiah, BSc(Lond), BA(Cantab),<br>MICE, MIWE(Secretary)<br>A F Deane (Asst.Secretary &<br>(Asst. Treasurer)  | A C Wickremasinghe, AMICE,<br>AMIPHE   |
| 1969 | Dr. A N S Kulasinghe, BSc(Eng)<br>Hons(Lond)CEng, FICE,<br>MIE(India), FIMechE                   | C Rasiah, BSc(Lond), BA(Cantab),<br>CEng, FICE, MIWE   | { A F Deane, Acting Honorary<br>Treasurer (From 6-1-69 to 30-6-69)<br>A C Wickremasinghe, CEng, MICE<br>AMIPHE( from 01.07.69) |
| 1970 | A McNeil Wilson, CEng, MIMechE   | C Rasiah, BSc(Lond), BA(Cantab),<br>CEng, FICE, MIWE   | A C Wickremasinghe, CEng,<br>MICE, AMIPHE  |
| 1971 | V N Rajaratnam, CEng, MICE   | C Rasiah, BSc(Lond), BA(Cantab),<br>CEng, FICE, MIWE   | A C Wickremasinghe, CEng,<br>MICE, AMIPHE  |
| 1972 | Dr. S L de Silva, BSc(Lond),<br>PhD(Lond), Dip Chem.<br>Eng.(Manch)                              | C Rasiah, BSc(Lond), BA(Cantab),<br>CEng, FICE, MIWE   | A C Wickremasinghe, CEng,<br>MICE, AMIPHE  |
| 1973 | Prof. T Sivaprakasapillai<br>BSc(Lond), BSc(Eng), Lond, ACGI, CEng,<br>FICE                      | C Rasiah, BSc(Lond), BA(Cantab),<br>CEng, FICE, MIWE   | A C Wickremasinghe, CEng,<br>MICE, AMIPHE  |
| 1974 | T W Mendis, CEng, FIEE, FIMechE  | C Rasiah, BSc(Lond), BA(Cantab),<br>CEng, FICE, MIWE   | A C Wickremasinghe, CEng,<br>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)<br>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, MISTructE, (From 23.2.76)<br>J A S Johnpillai, CEng, FIE(Sri Lanka), FIEE, MBIM  | L R L Perera, BSc(Eng), CEng, FIE(Sri Lanka), MICE, MIMechE, FIAgrE, (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), MISTructE  | L R L Perera, BSc(Eng), CEng, FIE(Sri Lanka), MICE, MIMechE, FIAgrE,   | 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)<br>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)<br>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)<br>A Maheswaran, BSc(Eng), CEng, FIE(Sri Lanka), MICE  | L J Weeraratne, BSc(Eng), CEng, MICE, FIE(Sri Lanka), (upto 30-1-81)<br>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, FIAgrE  | 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)<br>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               |

| YEAR | PRESIDENT   | HONY. SECRETARY   | HONY. TREASURER   | EXECUTIVE SECRETARY   |
|------|---|---|---|---|
| 1984 | L R L Perera<br>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<br>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<br>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)<br>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<br>DEC(Eng), PhD(Edin), FIE(Sri Lanka), FCIT(Lond), FIET(Lond), MICE(Lond)       | Ms. L P Batuwitage, 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<br>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)<br>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<br>VSV, BSc Eng, MSc, CEng, FIE(Sri Lanka), FIMechE, FIMarE                   | L W Seneviratne, BSc Eng, PG.Dip, MEng(Hydraul), 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<br>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.<br/>TREASURER</b>  | <b>EXECUTIVE<br/>SECRETARY</b>   |
|-------------|--|---|---|--|
| 1997        | S H C de Silva, BSc Eng,<br>DHE(Delft), CEng, FIE(Sri Lanka), MICE, FIE(India)   | H D S de Alwis, BSc Eng,<br>Grad.Dip(Aust), MAppSc(Aust),<br>CEng, MIE(Sri Lanka)   | K W Perera, BSc Eng, CEng,<br>MIE(Sri Lanka)  | D D S Jayawardena, CEng,<br>FIE(Sri Lanka), FIMechE                                |
| 1998        | A N P Wickremasuriya<br>BSc Eng, CEng(SL), FIE(Sri Lanka), CEng(UK), FIMechE,  | H D S de Alwis, BSc Eng,<br>Grad.Dip(Aust), MAppSc(Aust),<br>CEng, MIE(Sri Lanka)   | N Saravanapavananthan<br>BSc Eng, (Hons) (Lond),<br>FIWE, FIE(Sri Lanka)<br>(upto 4/9/98)<br>M C Opatha, BSc Eng, CEng,<br>FIE(Sri Lanka), (From<br>4/9/98) | D D S Jayawardena, CEng,<br>FIE(Sri Lanka), FIMechE                                |
| 1999        | D G D C Wijeratne<br>BSc Eng, MEng, CEng, FIE(Sri Lanka), FIEE   | K L T S de Silva, BSc Eng,<br>MEng.Sc.(NSW), Dip.<br>Env.Law(ANU), CEng, FIE(Sri Lanka), MIE(Aust), MICE,                   | M Zubair<br>BSc Eng, Dip.EE, CEng,<br>FIE(Sri Lanka), FIEE  | D D S Jayawardena, CEng,<br>FIE(Sri Lanka), FIMechE                                |
| 2000        | Ms. R L Haturusinha<br>BSc Eng, ME(WRD)Roorkee,<br>CEng, FIE(Sri Lanka)  | K L T S de Silva, BSc Eng,<br>MEng.Sc.(NSW), Dip.<br>Env.Law(ANU), CEng, FIE(Sri Lanka), MIE(Aust), MICE,                   | M M P Perera<br>BSc Eng(Hons), CEng,<br>MIE(Sri Lanka)  | D D S Jayawardena, CEng,<br>FIE(Sri Lanka), FIMechE                                |
| 2001        | (Gp.Capt) P Mervyn Gunasekera<br>BSc Eng, MSc(Const.Mgt),<br>CEng, FIE(Sri Lanka), MICE,<br>MASCE, AIFE(UK), CCE,        | H D S de Alwis, BSc Eng,<br>Grad.Dip(Aust), MAppSc(Aust),<br>CEng,MIE(Sri Lanka)  | M M P Perera<br>BSc Eng(Hons), CEng,<br>MIE(Sri Lanka)  | D D S Jayawardena, CEng,<br>FIE(Sri Lanka), FIMechE<br>(upto 31-10-2001)           |
| 2002        | B R O Fernando<br>GFH(Lond), DFH(Lond), CEng,<br>FIE(Sri Lanka), FIEE,<br>FISMM(UK),                                     | M Zubair,<br>BSc Eng, Dip.EE, CEng, FIE(Sri Lanka), FIEE  | M M P Perera,<br>BSc Eng(Hons), CEng,<br>FIE(Sri Lanka)   | Russel de Zilwa<br>BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK)<br>(from 1-11-2001)  |
| 2003        | Prof. L L Ratnayake<br>BSc Eng(Hons), MSc(B'ham),<br>CEng, FIE(Sri Lanka),<br>MCILT(Lond)                                | R J Gunawardana<br>BSc Eng, CEng, FIE(Sri Lanka)  | M M P Perera<br>BSc Eng(Hons), CEng,<br>FIE(Sri Lanka)  | Russel de Zilwa<br>BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK)                      |
| 2004        | Priyal De Silva<br>BSc Eng, MEng (Moratuwa),<br>CEng, FIE(Sri Lanka),<br>FCILT(Lond), FPWI(England),<br>FIE(Aust), CPEng | S Panchacharavel<br>BSc Eng, CEng, FIE(Sri Lanka),<br>MICE  | Madhawa Perera<br>BSc Eng, CEng,<br>FIE(Sri Lanka),   | Russel de Zilwa<br>BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK)                      |
| 2005        | L C R De Silva<br>BSc Eng, CEng, FIE(Sri Lanka),<br>MIMechE, SIRM  | Tudor Munasinghe<br>Dip.Civ.Eng, PGDip(WRE),<br>MICE(UK), MIStructE(UK)<br>MCIWEM(UK), CEng, MIE(Sri Lanka) (upto 4/3/2005) | Madhawa Perera<br>BSc Eng, CEng,<br>FIE(Sri Lanka),   | Russel de Zilwa<br>BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK)                      |
| 2006        | D B J Ranatunga<br>BSc Eng (Hons), MEng Sc,<br>MBA, CEng, FIE(Sri Lanka),  | M Zubair, BSc Eng, Dip.EE,<br>CEng, FIE(Sri Lanka), FIEE<br>(from 1/4/2005)   | Madhawa Perera<br>BSc Eng, CEng,<br>FIE(Sri Lanka),   | Russel de Zilwa<br>BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK)                      |
| 2007        | D L Taldena<br>BSc Eng(Hons), MEngSc(NSW Aust), IntPE, CEng,<br>FIE(Sri Lanka, MIET                                      | Gratian A Peiris<br>BSc Eng, CEng, MIE(Sri Lanka)   | Madhawa Perera<br>BSc Eng, CEng,<br>FIE(Sri Lanka),   | Russel de Zilwa<br>BSc Eng, CEng, FIE(Sri Lanka), FIMechE(UK)<br>(upto 28-01-2008) |

| YEAR | PRESIDENT  | HONY. SECRETARY   | HONY. TREASURER  | EXECUTIVE SECRETARY   |
|------|--|---|--|---|
| 2008 | R J Gunawardana<br>BSc Eng, MBA, CEng,<br>FIE(Sri Lanka)   | E A L Sarathchandra<br>BSc Eng, IntPE, CEng,<br>MIE(Sri Lanka)  | J Meegoda<br>BSc Eng(Hons), MBA(SJP),<br>PGDip(Norway), CEng,<br>FIE(Sri Lanka), MIEE  | Dhammika Welhenge<br>BSc Eng, CEng,<br>MIE(Sri Lanka)<br>(from 01-01-2008 to<br>31-01-2009) |
| 2009 | D P Mallawaratchie<br>BScEng(Hons), MSc(Canada),<br>CEng, FIE(Sri Lanka), MICE<br>(upto 25-05-2009)<br><br>H D S De Alwis,<br>BSc Eng, Grad.Dip(Canberra),<br>MApp Sc(Canberra), CEng,<br>FIE(Sri Lanka), IntPE(Sri<br>Lanka), MCIWEM(UK)<br>(President-Elect)<br>Officiated as President<br>(from 26/5/2009)                          | Dr. S A K Abayawardana<br>BScEng(Hons),Dip.ChemE.(UCL),<br>PhD(Lond), DIC, CEng, FIE(Sri<br>Lanka), IntPE(Sri Lanka),<br>FIChemE(Lond), | J Meegoda<br>BSc Eng(Hons), MBA(SJP),<br>PGDip(Norway), CEng,<br>FIE(Sri Lanka), MIEE  | Ms. A Wimalasuriya<br>BSc Eng, CEng, MIE(Sri<br>Lanka), MIEE<br>(from 08-07-2009)           |
| 2010 | Dr. H D S De Alwis<br>BSc Eng, Grad.Dip(Canberra),<br>MApp Sc(Canberra), DEng,<br>CEng, FIE(Sri Lanka),<br>MCIWEM(UK)<br>(upto 20-08-2010)<br><br>Prof. A K W Jayawardane<br>BSc Eng(MRT), MSc(Lough),<br>PhD(Lough), CEng, FIE(Sri<br>Lanka), IntPE(Sri Lanka) –<br>(President-Elect)<br>Officiated as President<br>(from 21/08/2010) | D D S Jayawardena, CEng,<br>FIE(Sri Lanka), FIMechE   | S A D A Subasinghe<br>MSc(Q&R)Eng, MIET,<br>MIMechE, CEng, FIE(Sri<br>Lanka) (upto 31/12/2009)<br><br>M K Chandrasekera<br>BSc Eng, CEng, FIE(Sri<br>Lanka), IntPE(Sri Lanka)<br>(from 01/01/2010) | Ms. A Wimalasuriya<br>BSc Eng, CEng, MIE(Sri<br>Lanka), MIET                                |
| 2011 | Prof. A K W Jayawardane<br>BSc Eng(MRT), MSc(Lough),<br>PhD(Lough), CEng, FIE(Sri<br>Lanka), IntPE(Sri Lanka)  | K D Abeyesiriwardena<br>BSc Eng, PGDip(SE), CPEng,<br>MIE(Aust), CEng,<br>MIE(Sri Lanka), MIET  | J Meegoda<br>BSc Eng(Hons), MBA(SJP),<br>PGDip(Norway), CEng,<br>FIE(Sri Lanka), MIET  | Ms. A Wimalasuriya<br>BSc Eng, CEng, MIE(Sri<br>Lanka), MIET                                |
| 2012 | Dr. Ananda Ranasinghe<br>BSc Eng(Hons), PhD,<br>MTech(Const.Mgmt),<br>MEng(Struct Eng), CEng,<br>FIE(Sri Lanka),IntPE(Sri<br>Lanka), AISTructE, MICE,<br>Attorney-at-Law   | P M P Wijeratne<br>BSc Eng, CEng,<br>MIE(Sri Lanka),<br>MIEP(Sri Lanka), CMTMI,<br>APGBC(SL), ACB                                       | J Meegoda<br>BSc Eng(Hons), MBA(SJP),<br>PGDip(Norway), CEng,<br>FIE(Sri Lanka), MIET  | Ms. A Wimalasuriya<br>BSc Eng, CEng, MIE(Sri<br>Lanka), MIET                                |
| 2013 | Tilak De Silva, BSc Eng., MSc,<br>FBCS, FIET, FIE(Sri Lanka),<br>MIEEE, CEng, CITP   | K S Mangala Silva, BSc<br>Eng(Hons), MEng(Structural),<br>MSSE(SL), MIE(Sri Lanka), CEng  | P C C Perera, BSc<br>Eng(Hons), Dip(Com.Arb),<br>MIE(Sri Lanka), CEng  | Ms. A Wimalasuriya<br>BSc Eng, MIET,<br>MIE(Sri Lanka), CEng                                |
| 2014 | W J L S Fernando,<br>BSc Eng.(Hons), MEng, MIET,<br>FIE(Sri Lanka), CEng   | P C C Perera, BSc Eng(Hons),<br>Dip(Com.Arb), MIE(Sri Lanka),<br>CEng   | A P R De Silva, BSc<br>Eng(Hons), MEng(Const.<br>Mgt.), MIE(Sri Lanka), CEng   | Ms. A Wimalasuriya<br>BSc Eng, MIET,<br>MIE(Sri Lanka), CEng                                |

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|------|--|---|--|---|
| 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<br>BSc Eng, MIET,<br>MIE(Sri Lanka), CEng<br>(upto December 31, 2015)  |
| 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<br>BSc Eng, MBA, DBA,<br>MIET (UK), MSOE(UK),<br>MIPlantE(UK), IntPE(Sri Lanka), FIE(Sri Lanka),<br>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,<br>BSc Eng. MBA, MCPM,<br>MIE(Sri Lanka), CEng  |

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