

NEWSLETTER



INSTITUTION OF INCORPORATED ENGINEERS, SRI LANKA - UAE BRANCH

C/o Consulate General of Sri Lanka, PO Box 51528, Dubai, UAE. Tel: +971507169700, Email: iiesluae@gmail.com Web: www.iiesluae.org Established on 18th July 2006.

Volume : 15.1

Since : 2006

Dec : 2020

IIESL UAE Branch Held its 14th AGM

The UAE Branch of the IIESL held its 14th Annual General Meeting on 16th October 2020 on a virtual Zoom platform.

Eng. W. D. Fonseka, the President, IIESL attended the meeting and graced the occasion. Eng. Shantha Senarath, Past President, Eng. Ranjith Chandrasiri, Immediate Past President and Eng. Namali Siyambalapitiya, Trustee of the IIESL also attended the meeting from Sri Lanka. Besides, Eng. Sisira Walaliyadde, Founder Chairman and Eng. Jayantha Hettiarachchi, Immediate Past Chairman attended the meeting from Sri Lanka. Eng. Anura Jagodage, the Chairman of the IIESL UAE Branch joined the meeting with all the executive committee members, Past Chairmen and most of the members of the IIESL UAE Branch.

The Chairman, IIESL UAE Branch, Eng. Anura Jagodage, delivered the welcome speech and welcomed the office bearers of the IIESL, Past Chairmen, members and Ex. Excom members of IIESL UAE Branch. He further stated that our branch, which was formed over 14 years ago, has a lasting foundation, which is quite evident as it sustained so long under many pressurized conditions. This is the most challengeable period of the recent history, still managing to retain a sizable number of members to hold an AGM under the prevailing constrains.

Eng. Nalaka Kanthiarachchi, Secretary and Eng. Nishan Karunarathne, Treasurer presented the annual report and financial statement for the year 2019/2020 respectively.

Eng. Dhammika Gamage, Returning Officer announced the new Executive Committee appointed during the AGM for the session 2020-2021. Eng. Anura Jagodage was re-appointed as the Chairman of the current Executive Committee. Please see page No. 2 for the newly appointed executive committee.

Eng. Wimal D Fonseka, the President of the IIESL, delivering his speech, commended the UAE Branch for taking initiative to establish the first international Branch of the IIESL in the UAE and the dedication of its ExCom members for maintaining a sizable membership and continuing to hold annual sessions and AMGs every year, despite difficulties faced due to global recession and Covid-19 pandemic.

Eng. Sisira Walaliyadde, founder Chairman of the IIESL UAE Branch addressed the audience and stated that the strong foundation of the IIESL UAE Branch provides to strength to last the Branch, despite severe obstacles that raised during its way forward. He thanked the IIESL Past Presidents, late Eng. J. K. Lankathilaka, Eng. Shantha Senarath and Eng. Anton Peris who extended their generous support for the formation of the IIESL UAE Branch, the first international branch of the IIESL and Eng. Mrs. Namali Siyambalapitiya, then Vice President for her support to establish the procedures, etc. of the Branch.

**Publication
Committee**

• Eng. Sisira Walaliyadde – Past Chairman, IIESL UAE,
• Eng. Nishan Karunarathne – Treasurer, IIESL UAE

• Eng. Anura Jagodage – Chairman, IIESL UAE,



A Member Association of the
SRI LANKAN PROFESSIONALS ASSOCIATION
UNITED ARAB EMIRATES

Office Suite # 902 | Level 9 | Dubai World Trade Center | Dubai, United Arab Emirates | T: +971 4 311 6387



Association Management Company
MCI MIDDLE EAST

Executive Committee Members of the IIESL UAE Branch appointed during the AGM.

INSTITUTION OF INCORPORATED ENGINEERS, SRI LANKA - UAE BRANCH

C/o Consulate General of Sri Lanka, P.O.Box 51528, Dubai, United Arab Emirates.
Tel: +971 50 716 9700, Email: iiesluae@gmail.com Web: <http://www.iiesluae.org>
Established on 18th July 2006



Institution of Incorporated Engineers, Sri Lanka - UAE Branch

EXECUTIVE COMMITTEE - 2020/2021

Eng. Anura Jagodage NDT, MSc, FIIESL, FRICS, FAIQS, AIQS(SL), CQS, I Eng.	Chairman
Eng. Kingsley Devendra NDT, BSc Hons (QS&CM), MIIESL, MRICS, AIQS (SL), PQS, MCIInstCES, MAQS, AAIQS, CCE, I Eng.	Vice Chairman
Eng. Nalaka Kanthiarachchi NDES, MIIESL, MIET (UK), GCGI (UK), PMP, I Eng.	Secretary
Eng. Ranil Wijesinghe NDT, MSc, MIIESL, MAIQS, I Eng.	Asst. Secretary
Eng. Nishan Karunarathne NDES, BSc (Hons), MIIESL, IEng.	Treasurer
Mr. Nalinga Handapangoda NDT, MSc (CPM), AMIIESL, MAIQS, CQS	Asst. Treasurer
Committee Members	
Mr. Ayodhya Perera NDT, MBA (PIM-USJ), AMIIESL	
Eng. Priyanaga De Mel C&G(Full Tech), GCGI(UK), Dip in IT, MIIESL, IEng.	
Mr. Arisanan Ramanathan NDT, B.Eng, MSc, AMIIESL, MRICS, GMICE	
Mr. Janaka Edirisinghe NDT, BSc(Hons) QS, AMIIESL, MAIQS	
Mr. Janaka Dandeniya NDT, BSc(Hons) QS, AMIIESL, LCGI	
Eng. Sanjeewa Wijayathilaka NDES, MSc(CPM), FIIESL, ACI Arb, GCGI(UK), AssocRICS, I Eng.	Internal Auditor
Eng. Sunil Jayantha Hettiarachchi NDT, MSc, MIMechE, FIIESL, MIET (UK), GCGI (UK), C Eng., I Eng.	Immediate Past Chairman
Eng. Sisira Walaliyadde NDT, FIIESL, MCGI(UK), MICE, MIESL, C Eng., I Eng.	Past Chairman
Eng. Hemantha Jayasree NDT, MBA (PIM-USJ), FIIESL, MAIQS, MRICS, AIQS(SL), GCGI(UK), I Eng.	Past Chairman
Eng. Dhammika T. Gamage NDT, GCGI(UK), FIIESL, FAIQS, FACostE, FCIInstCES, FRICS, PQS, FIQSSL, MCI Arb, ICIOB, I Eng.	Past Chairman/Returning Officer
Eng. Parakrama Munaweera NDT, MSc, MBA (PIM-USJ), MIIESL, GCGI(UK), PMP, I Eng.	Past Chairman

IIESL UAE Respond to the challenges due Covid-19 Pandemic

Several serving executive committee members of the IIESL-UAE have left the UAE for good as a result of the Covid-19 pandemic. However, the Management has successfully filled the vacant positions with the members currently serving in the UAE. The new members were nominated and approved at the Annual General Meeting held on 16th October 2020.

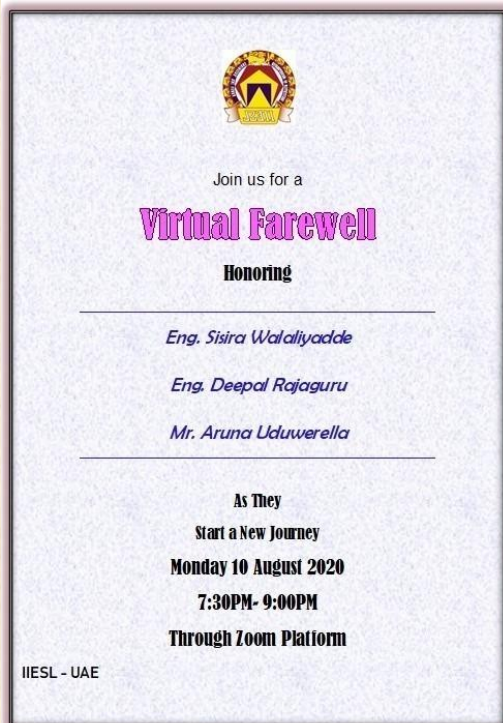
The members of the IIESL-UAE who had left the UAE are;

- Eng. Sisira Walaliyadde – Past Chairman
- Eng. Jayantha Hettiarachchi- Immediate Past Chairman
- Eng. Deepal Rajaguru – Vice Chairman
- Eng. Aruna Uduwerella – Asst Secretary
- Eng. Dulin Perera – Asst Treasurer
- Ehg. Buddhika Nivunhella – Committee Member

The new members elected to the Executive Committee of the session 2021 are;

- Eng. Ranil Wijesinghe – Asst Secretary
- Eng. Priyanga De Mel – Committee Member
- Mr. Janaka Edirisinghe – Committee Member
- Mr. Janaka Dandeniya – Committee Member

Farewell to Executive Committee Members who left the UAE



IIESL-UAE Executive Committee conducted a farewell meeting on behalf of Eng. Sisira Walaliyadde, founder Chairman, Eng. Deepal Rajaguru, Vice Chairman and Mr. Aruna Uduwerella, Assistant Secretary of the IIESL UAE Branch on 10th August 2020 on online Zoom platform. Chairman, Past Chairmen, Executive Committee Members and members of IIESL-UAE participated in the meeting.

On behalf of the Executive Committee of the IIESL-UAE Branch, Eng. Anura Jagodage welcomed all the participants and thanked Eng. Sisira Walaliyadde, Eng. Deepal Rajaguru and Aruna Uduwerella for accepting the invitation and taking part in the meeting.

He thanked them for all the support, friendship, encouragement, and cooperation they have extended towards the IIESL UAE over the years.

Besides, Past Chairmen and members also addressed the audience and praised the outgoing members for their great services they have rendered towards the IIESL-UAE.

Eng. Sanjeewa Wijayathilaka, closing the meeting, entertained the audience by signing a memorable song and dedicated it to the outgoing members.

Annual General Meeting – Sri Lanka Professionals Association (SLPA) in the UAE

Sri Lankan Professionals Association (SLPA) held its first Annual General Meeting on Saturday 31st October 2020 through Zoom platform.

The attendees were limited, pursuant to Article 12.1 of the Constitution of the SLPA to only the Patrons and central committee/board members of the respective associations who were eligible to participate in the AGM.

The patrons of SLPA, H. E. the Ambassador of Sri Lanka to United Arab Emirates, Mr. Malraj De Silva and Hon. Consul General of Sri Lanka to Dubai and Northern Emirates, Mr. Nalinda Wijerathne and Committee members of IIESL-UAE, SLQS-UAE, PIMA-UAE, IQSSL-UAE and QSUM UAE Chapter participated in the AGM.

The welcome speech delivered by the Chairman of the SLPA, Mr. Ajantha Premarathne explained how the SLPA was formed and the way SLPA moved forward since May 2019. He thanked Mr. Charitha Yattogoda, Ex. Consul General of Sri Lanka to Dubai and Northern Emirates for his support and guidance extended towards the formation the SLPA. Furthermore, he did not forget to thank Eng. Sisira Walaliyadde, Eng. Sunil Hettiarachchi and Eng. Deepal Rajaguru for their valuable contribution and goodwill that they did show at the time of formation of SLPA and thereafter.

Mr. Lalith Gallage, Secretary and Eng. Nalaka Kanthiarachchi, Treasurer presented the annual report and the financial statement for the year 2019/2020 respectively.

Mr. Lalith Gallage, Secretary briefed the current Member Associations of the SLPA as:

1. Institution of Incorporated Engineers, Sri Lanka-UAE Branch (IIESL-UAE)
2. Institute of Quantity Surveyors of Sri Lanka- UAE Chapter (IQSSL-UAE)
3. Sri Lankan Quantity Surveyors-UAE (SLQS-UAE)
4. Postgraduate Institute of Management Alumni UAE (PIMA-UAE)
5. Association of Quantity Surveyors of University of Moratuwa (QSUM)– UAE Chapter

Mr. Gallage explained the current structure of the Executive Board of the SLPA and particularly emphasized on the 58 activities: CPD's, Sport events, Social activities, etc. delivered by the SLPA under these prevailing conditions.

H. E. the Ambassador Mr. Malraj De Silva and Hon. Consul General Mr. Nalinda Wijerathne also delivered their speeches and appreciated the services being rendered by the SLPA towards the Sri Lankan Professionals and the Sri Lankan Community in the UAE.

The event was successfully wound up after the vote of thanks delivered by the Vice Chairman, Eng. Dhammika Gamage.

Membership of the IIESL

Now you can download the Pdf or fillable Word format of the application forms for obtaining memberships of the IIESL.

Please click the links below to:

- Download the Application forms: Click the [Link](#).
- Procedure for Obtaining IIESL Memberships: Click the [Link](#).
- On-line processing of membership: Click the [Link](#).
- Guidelines for Membership: Click for [Link](#).

Registration of Engineering Practitioners in Sri Lanka with ECSL

This is to inform you that Engineering Council of Sri Lanka (ECSL) has published the following gazette (No. 2198/9 - TUESDAY, OCTOBER 20, 2020) in accordance with Engineering Council, Sri Lanka Act No. 4 of 2017.

It governs;

Part 1: Process of Registration of Engineering Practitioners

Part 2: Code of Conduct for Engineering Practitioners

To view, please click the following links.

[Gazette – Sinhala](#)

[Gazette – Tamil](#)

[Gazette – English](#)

Get inspired.....

1. If you want to increase your success rate, double your failure rate. - **Thomas J. Watson**
2. Do what you can, with what you have, where you are. - **Theodore Roosevelt**
3. Scientists dream about great things. Engineers do them. - **James A. Michener**
4. Unless you have tried to do something beyond what you have already mastered. You will never grow. - **Ronald E. Osborn**
5. You have the right to be involved. You have something important to contribute, and you have to take the risk to contribute it. - **Mae Jemison**
6. It is better to be good than to be original. - **Ludwig Mies van der Rohe**
7. You don't have to change the world to be important. - **Steve Jobs**
8. In a gentle way, you can shake the world. - **Mahathma Gandhi**
9. If you can get up in the morning and think the failure is going to be better, it is a bright day. Otherwise, it is not. - **Elon Musk**
10. Failure is simply the opportunity to begin again, this time more intelligently. - **Henry Ford**

Institution of Incorporated Engineers, Sri Lanka
UAE Branch
C/O Consulate General of Sri Lanka
P.O.Box 51528, Dubai, United Arab Emirates
Tel : +971507169700
Email : iiesluae@gmail.com / web : www.iiesluae.org

Professionals and Social Media During Covid-19

In modern era, social media has become an essential tool for communication for professionals. Professionals, in their day to day communication with their colleagues, partners, clients etc. use social media extensively as it provides the opportunity for all the stake holders to keep in touch with each other and share information effectively, during their busy work schedules. Specially during Covid-19 era when personal meetings and deliveries have almost become impossible, it ensures safe and effective delivery of information and knowledge among all stakeholders.

It also provides professionals who are isolated by location to keep in touch with their partners, learn from each other and continue their professional development. Social media also helps the professionals to keep in touch with their busy work schedules, raise their profile of professions and reach the public.

Social media is a powerful tool for their professional life as it helps to build their personal brand, grow their network, establish them as experts in their fields and also give their prospective employees to have a look at their personalities.

Social media should be used in the right way by professionals as with any other system and as the same professionalism they show in their professional practice. As Covid-19 pandemic has tremendously increased the engineering professionals' interest in social media, it has become important for the professionals to pay more attention to what they post in media.

A few points to ensure that your posts are professional

Think about who can see your posts	Don't post inappropriate material	Protect confidentiality	If in doubt, seek advice
manage privacy settings	be professional	don't share sensitive information without consent	Speak to experienced colleagues
be aware others can share your posts	think before you post	make sure consent is valid	check in with your professional body or union
understand your impact	show empathy	if you're unsure, don't post	contact relevant authorities for help and advice

www.hcpc-uk.org

Academic / Professional Achievements

#	Name of the Member	Academic/Professional Achievements	Designation/Title	Awarding Body, Institution or University
1	Eng. Manju Sri Nandana Adhikari	Fellow Member	FIQSSL	Institute of Quantity Surveyors, Sri Lanka
2	Mr. Dulin Asiri Perera	Construction Project Management	MSc	Robert Gordon University, Scotland

It is Time to Use DC Power Distribution in Buildings. Part - 1

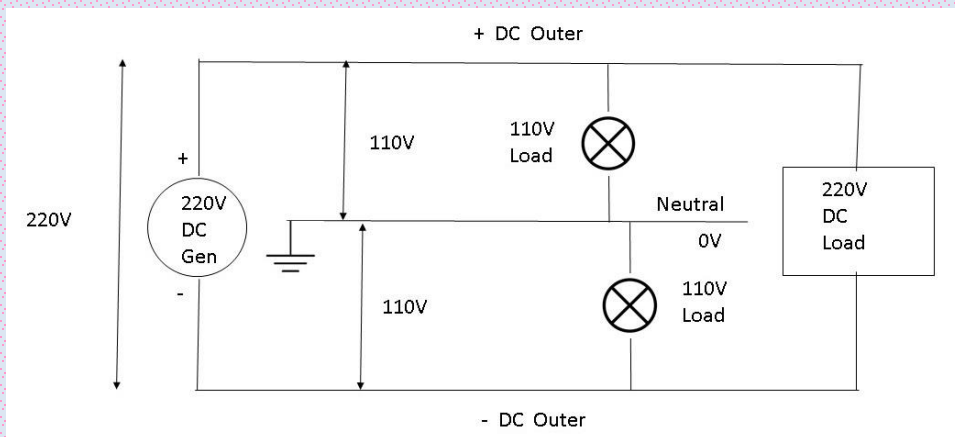
The use of electricity has become so common in our daily lives, that we become merely dysfunctional without electricity. All household appliances, gadgets and equipment work on electricity.

The electric power supplied to buildings is AC (Alternating Current). The AC power system has been the standard for electricity distribution in buildings for more than a century. All the residential, commercial and factory buildings are connected to a wider AC power distribution grid that is networked with many generating stations and substations. This keeps the continuity of electrical power supply to the consumers.

In the 1800s the AC electricity was unheard of. But in the latter part of the 1800s, the electricity distribution was done in DC (Direct Current). Thomas Edison was the pioneer in DC electricity generation and distribution. He introduced a 110V DC, 3 wire electricity distribution system. This system was widely used in many factories both in Europe and the USA.

The 3 wire DC distribution system consists of two outer wires and a middle wire or neutral wire. The middle wire or the neutral wire is earthed at the generation station. Figure 1 shows a typical DC 3 wire distribution system.

Figure 1



Source - Author

The voltage between the outers is 220V DC and is twice the voltage between the middle wire and either of the outer wires. The lamps, heaters and the appliances that require 110V can be connected between an outer and the middle wires. The motors or other loads that may require 220V DC are connected between the two outer wires. The current in the neutral wire is the algebraic sum of the load currents on the two sides. In a balanced circuit, the neutral current is zero.

Thomas Edison had constructed over 100 DC power generating stations in the USA by 1887. Meanwhile, Westinghouse with the patent for AC motors and AC transmission systems purchased from Nichola Tesla started an AC distribution system leading to a battle between Alternating Current and Direct Current systems.

In early 1900's it was not practically possible to step up DC voltage to higher voltages required for efficient long-distance transmission and then step down to lower voltages that are safer to use with the lamps, common electrical loads, appliances, and other equipment. But with the use of transformers AC voltages can be easily step up and down. This made AC electricity distribution the obvious choice.

With the improvements in semiconductor technologies, electronics, the development of Solar power systems , battery storage systems, LED based lighting systems, electronic controls , AC to DC and DC to DC converters , today we are gradually moving away from a total dependency on AC power. Today's power systems are a mix of both AC and DC distribution systems. The power generation, transmission and distribution are predominantly done in AC. But at the consumers premises the AC electricity is converted to DC.

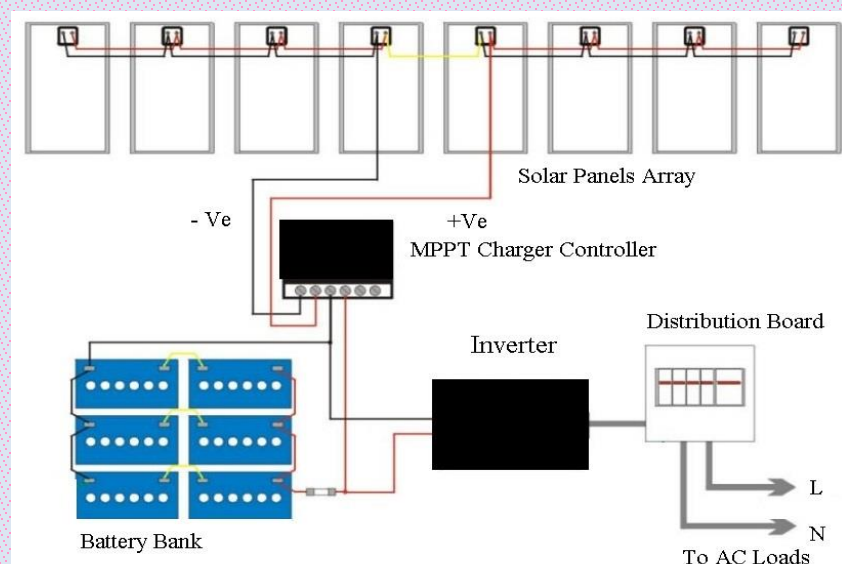
Almost all the electronic equipment and appliances that we use, internally converts AC mains voltages to lower DC voltages. Today it is possible to convert DC electricity to high voltages very efficiently and transmit long distances. The HVDC transmission is much efficient than the AC transmission. Today we can have a complete DC System from generation , transmission distribution and to the consumer's premises.

Considering these developments, adoption of DC power distribution in commercial and residential buildings is not only commercially viable but also efficient and cost effective.

Today we have solar PV (photovoltaic) and other distributed generation sources that generate DC electricity efficiently. The roof top solar panel installations can power up a typical single storied house. Most common solar PV panels can produce voltages in the range of 12V to 24V DC. These panels are connected in series to obtain higher voltages of 220 VDC or 240V DC. This is stored using deep cycle batteries and converted to various lower voltages ranging from 5V DC to 48V DC for the usage of consumers equipment.

In AC, DC mixes systems the DC voltages from the solar PV panels are stored in storage batteries. Then it is inverted to 230V AC using an efficient inverter. These inverters then feed the AC loads in the building through a standard AC power distribution system. The inverted DC can also be directly fed to the AC power grid through a net meter. But these AC , DC mixed distribution systems are complex. The figure 2 shows a typical mixed AC, DC distribution system used in residential buildings.

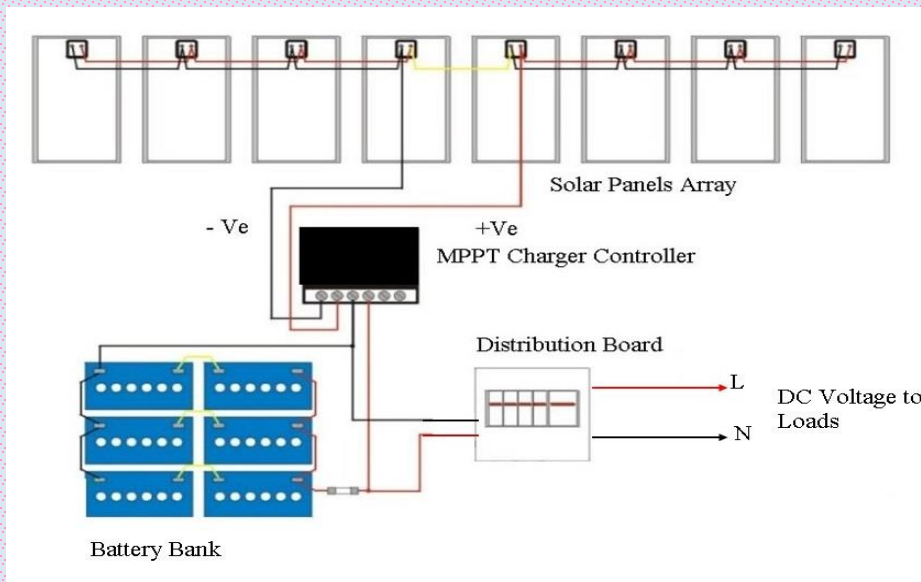
Figure 2 – AC DC Mixed Distribution System



Source - Author

A simple DC generation and distribution system can be efficiently used for the residential and commercial buildings with the use of solar PV panels and the DC to DC converters. The figure 3 shows a typical DC distribution system that can be used in residential buildings.

Figure 3 – DC Distribution System



Source - Author

Let us look at the components of a modern solar PV DC power distribution system, their function, efficiency, and performance in the part 2 of this article.



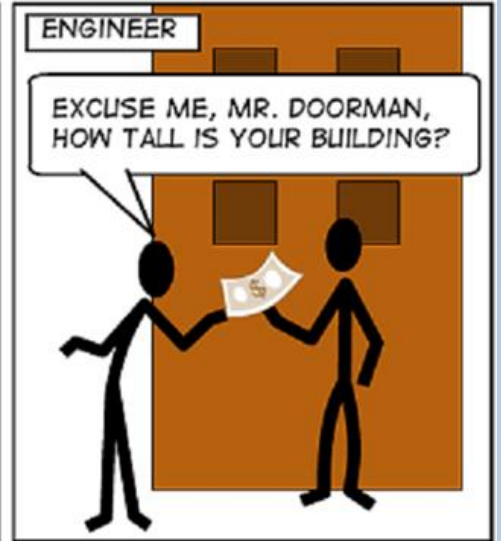
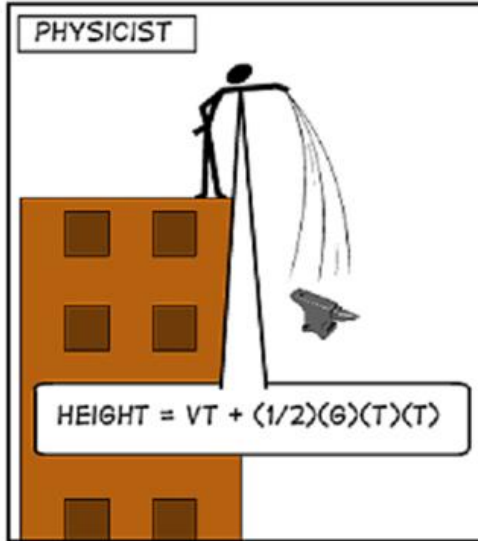
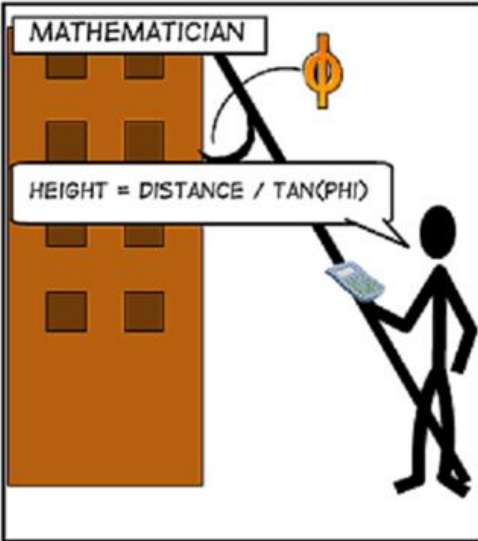
Eng. Nalaka Kanthiarachchi.
MIIESL, MIET (UK), GCGI (UK), PMP, I Eng.

IIESL UAE - CPD Events Schedule Year 2020

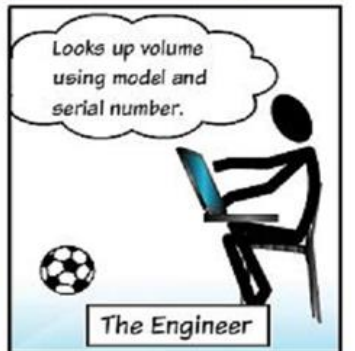
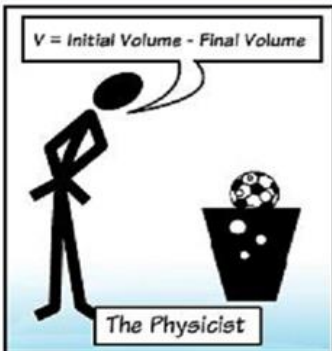
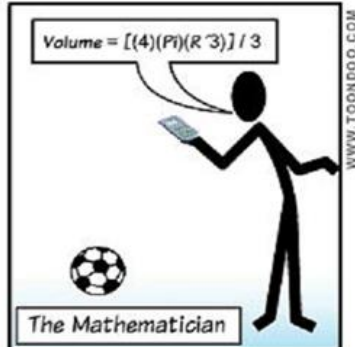
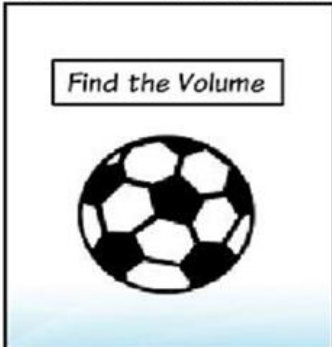
#	Date	Topic	Conducted by	Presenter	Venue
1	26-Jan-20	Records, Records and Records in the Engineering & Construction Industry	CICES/IIESL-UAE	Gary Beamish, C.Eng, MICE, FCIInstCES ,FQSI	Al Futtaim Training Centre, Umm Ramool, Dubai
2	19-May-20	Project Management in Construction, Resource and Schedule Management	IIESL-UAE	Eng. Nalaka Kanthiarachchi	Webinar on Zoom
3	10-Jul-20	Webinar on Contractual Letter Writing	IIESL-UAE	Eng. Sisira Walaliyadde/ Eng. Dhammika Gamage	Webinar on Zoom
4	7-Aug-20	Webinar on Contractual Letter Writing	IIESL-UAE	Eng. Sisira Walaliyadde/ Eng. Dhammika Gamage	Webinar on Zoom
5	29-Sep-20	The Detail in Disruption on Tuesday, 29 September 2020	CICES/IIESL-UAE/IQSSL	Mr. Robert Burns and Mr. Uditha Tharanga	Webinar on Zoom
6	14-Oct-20	Preparing a Persuasive EOT Claim in the times of Pandemic, based on FIDIC Forms of Contracts	CICES/IIESL-UAE/IQSSL	Mr. Robert Burns and Mr. Uditha Tharanga	Webinar on Zoom
7	11-Nov-20	Concept of Duress	CICES/IIESL-UAE/IQSSL	Mr. Ian Maund	Webinar on Zoom
8	18-Nov-20	Contract Administration Finding True Partners in Construction	CICES/IIESL-UAE/IQSSL	Eng. Dhammika Gamage	Webinar on Zoom

HOW TALL? - BY NANSCLARK

WWW.TOONDOO.COM

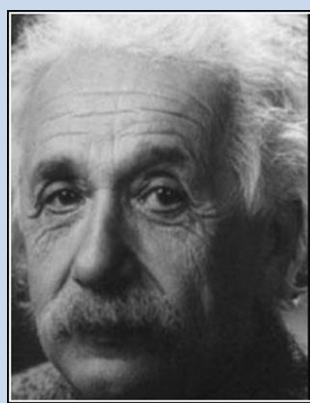


VOLUME - BY NANSCLARK



7 RULES OF LIFE:

1. **Make peace with your past** so it won't screw up the present
2. **What others think of you** is none of your business
3. **Time heals almost everything,** give it time.
4. **Don't compare your life to others** and don't judge them. You have no idea what their journey is all about.
5. **Stop thinking too much.** It's alright not to know the answers. They will come when you least expect it.
6. **No one is in charge** of your happiness, except you.
7. **Smile. You don't own** all the problems in the world.



Scientists investigate that which already is; Engineers create that which has never been.

— Albert Einstein —

AZ QUOTES

Mistake is a single page of life,
But relation is a complete book. So don't lose a full book for a single page.

- Abdul Kalam (Late President of India).