



# PICE Qatar NEWSLETTER



The Official Publication of the Philippine Institute of Civil Engineers – Qatar Chapter

[www.piceqatar.com](http://www.piceqatar.com)

JULY 2019 ISSUE



*PICE Qatar Members and Spice & Sizzle for the Blood Donation Campaign 2019*

## PICE QATAR BLOOD DONATION CAMPAIGN 2019

*Mark Anthony Abendan*

**P**hilippine Institute of Civil Engineers - Qatar Chapter does it again as it organizes another blood donation campaign in partnership with Hamad Hospital. This year's drive, with a theme of "Share Blood to Save Lives", has been successfully conducted with 20 blood donors. The event took place on July 26, 2019 at Hamad Hospital Blood Donor Center, Al Rayyan Road, Doha, State of Qatar.

Donating blood is one of the most precious gifts that anyone can give to another person that can save a life. Empowered by the Institute's Core Values: Professionalism, Integrity, Leadership, Excellence, and Social Responsibility; PICE Qatar facilitates this annual blood donation drive as a form of community service in the

host country.

This campaign was aimed to increase awareness of the importance of blood donation and to encourage existing and potential donors from the chapter's roster of members to donate blood at regular intervals. A few of the many benefits of blood donation includes: (1) save lives of people; (2) refreshes the body system; (3) adds to the donors' own blood quantity and quality; and (4) received a proper diagnosis during screening.

Souvenir tees for this event were sponsored by "Spice & Sizzle" restaurant, who also participated in the drive with 3 staffs who had successfully passed the screening and donated blood. Among the successful blood donors, coming from PICE Qatar members with their family and

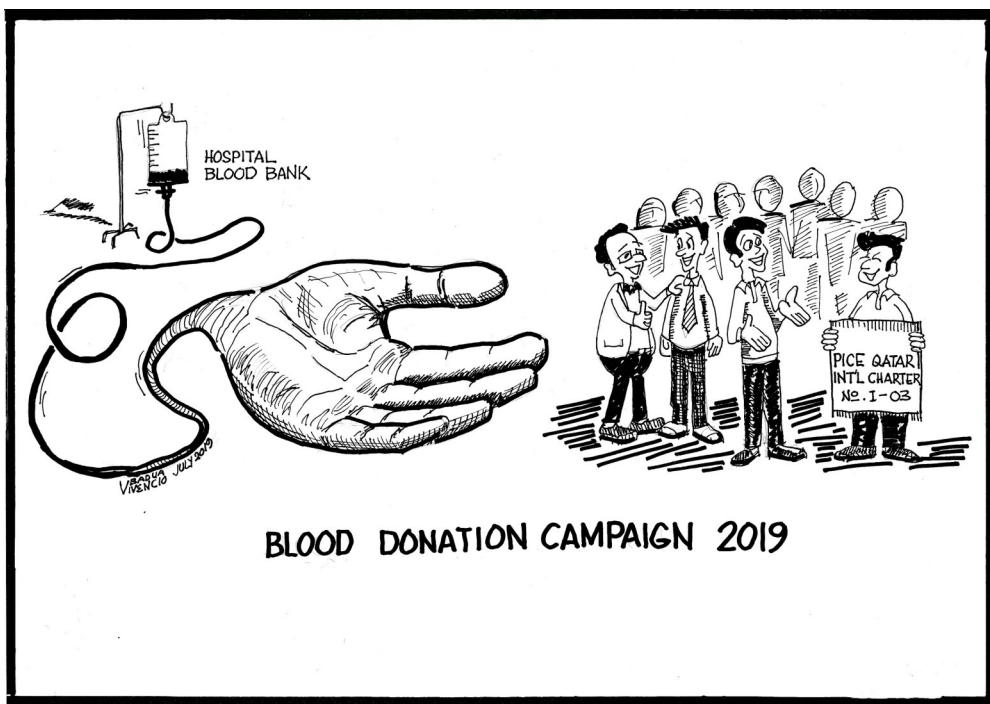
friends and "Spice & Sizzle" staff, are Mark Anthony Abendan, Susana Nacario, Rodel Arnaiz, Ryan Dave Mendoza, Jan Dannel Villaruel, Elvin Fajutagana, Allen Nacario, Rhea Lomio Berondo, Romar Aratia, Azeem Shakis, Vincent Gaspar, Medel Dalida, Hassan Ibban, Maria Flor Nilo, Eric Ponce, M. Aslam, Alfredo Pagulayan, Lilibeth Allas, Gerardo Dela Cruz, and Emmanuel Laforteza.

This worthwhile annual activity was organized by the Committee on PICE Qatar Affairs (CoPA) Team 2019 with the full support of the current BOD's and the PICE Qatar general membership with their family and friends.

### In this ISSUE

PICE QATAR BLOOD DONATION CAMPAIGN 2019	p1
EDITORIAL: SHARE BLOOD TO SAVE LIVES	p2
PRESIDENT'S LOUNGE	p3
GIVE ME A MOMENT: A Compendium of Terms and Definitions	p4
NOW PHILIPPINES: RA 11312: Magna Carta for Scientists, Engineers	p5
7th EXECOMM Regular Meeting Held / PICE Qatar Members Nearing 3,500	p6
EXCEL Made It Easy	p7
QHSE – Fire Safety Awareness	p8
TECHNICAL SECTION: Lean Six Sigma in Construction	p10
POTPOURRI / IT RUNS IN THE BLOOD / FILL IN THE CODE	p12
PICE NATIONAL UPDATE: PICE National Leadership Explains Sudden Change of the Guard	P14
PICE NATIONAL UPDATE: PICE's 45th National Convention and Technical Conference	p15
OUTSIDE HITTER	p16

# OPINION



BLOOD DONATION CAMPAIGN 2019

## SHARE BLOOD TO SAVE LIVES

**B**lood donation is a gift that can save someone's life and yet often forgotten and falls into short supply. Anybody can help and it won't cost you anything but a few minutes of your time and a little pinch in your arm.

Many people are dependent on donated blood - whether because of an accident which happened or during surgery to compensate for blood loss; organ and bone marrow transplants; or diseases like chronic anemia.

A lot of us might be thinking that donating blood would not make any difference and that one less person donating would not be significant enough to lessen the impact on other people lives — this mentality is totally wrong. Every ounce of blood that is donated matters... up to the last drop that is given. Remember, as much as one pint of blood can save up to three lives.

It takes a lot to keep our body healthy for us to be able to pass the screening and help guarantee the chances of being able to donate blood. Keep in mind that you should avoid

taking aspirins for at least two days before the donation since taking aspirins results to the thinning of the blood. Secondly, you should eat lots of iron-rich foods like red meat, poultry, beans, and leafy greens to help bump up the amount of iron in your body. One should stay hydrated, as well as getting a good night's sleep beforehand.

**“Every ounce of blood that is donated matters... up to the last drop that is given.”**

Another important thing you want to keep in mind that an interval of 16 weeks between donations of whole blood is reasonable. The minimum interval is 12 weeks. Normally, no more than three donations should be collected from a female donor and four from a male donor for 12 months\*.

One of the noteworthy community services of PICE



## THE EDITORIAL STAFF

**Editor-In-Chief**  
Jerick Lising

**Managing Editors**  
Alden Cayaga  
Meliza Ortiguerra

**News Editor**  
Shielu Manantan

**Feature Editor**  
John Cromwell Esclanda

**Sports Editor**  
Russel Flores

**Circulation Manager**  
Christine Diosan

**Asst. Circulation Manager**  
Katrina Magsino

**Chief Cartoonist**  
Vivencio Badua

**Cartoonist**  
John Harold Castro

**Chief Photographer**  
Henrik Gal De Ocampo

**Photographers**  
Johnson Sanchez Edgar Domingcil  
Newcesar Templonuevo

**Staff Writers/Contributors**  
Antonio Abenoja II Aurora Asda  
Emmanuel Boceta John Mark Bunagan  
Luisito Carlos Felipe Catinoy  
Danilo Chan Belinda Dela Cruz  
Elvin Fajutagana

**Advisers**  
Alfonso Belito Betita Ronaldo Nilo  
Roy Baquiran

Qatar Chapter conducted annually is the blood donation campaign. Imagine how many lives we could possibly save if we can encourage majority of the members of our organization to gather together and donate for a good cause. With about 583 pints as the target volume of blood to be donated, which is equivalent to the number of active members to date, the impact it would make will be huge. Sure, not everyone in our organization can donate, but if we gathered the same number of people who can donate even outside the chapter, we would save so many more lives than we already have.

\*Source:  
<https://www.transfusionguidelines.org/red-book/chapter-3-care-and-selection-of-whole-blood-and-component-donors-including-donors-of-pre-deposit-autologous-blood/3-6-frequency-of-donation>



# THE PRESIDENT'S LOUNGE

## Message from the President

**Helario S. Amoguis**

**CEng, ASEAN Eng.**

***The 12th President of PICE Qatar Chapter***



**J**uly has always been on summer days in Qatar with high temperatures and humidity that is normally challenging to us engineers especially to those who are working outside. Steps must be taken into consideration to avoid heat stress related incidents. Just recently, two of our members suffered mild to serious medical health conditions. Extra care must be taken especially with some health concerns. It is also advised to keep updated with our health cards, personal insurance or even our membership with OWWA. These are lifelines in times of need.

Meanwhile, as we are battling the heat this month, we kept also our passion and desire to pursue the programs of the chapter for the year 2019. Activities were happening according to the initial plan although some of it was rescheduled to allow improvements.

Here some of our chapters' events during this month.

1. 7th Regular Meeting of PICE Qatar EXECOMM – The meeting was held in PICE Qatar Headquarter on 05 July 2019 and was attended by nine (9) Officers, six (6) Committee Chairmen, one (1) Immediate Past President, three (3) Council of Advisers and ADHOC committee chairmen.
2. PPO Basketball Games – held every Friday, PICEQ star players won all the games against other organizations. Congratulations to Engr. Arnold Paradero and 2VP Engr. Elvin Fajutagana for leading and coordinating the players and of course to our members supported our players each game.
3. Training in Microsoft® Excel – held last July 12, 2019, at Rotana City Center. It was attended by over 30 participants who able to learn the techniques on how to use EXCEL program effectively. Modular sessions regarding advance topics will be announced soon as per the request of many.

4. Blood Donation Campaign – held last July 26, 2019, at Hamad Blood Donor Unit, the campaign successfully organized with the partnership of SPICE and SIZZLE restaurant who had sponsored the T-shirts and even had donated blood some of their staff. There were 44 attendees in total, 33 volunteered to donate blood however, only 20 successfully qualified. There may be 2nd round of blood campaign during November this year as suggested by our COPA team.
5. Assistance campaign to members in need - One of the benefits of having involved in professional or any social organization is we develop and increase the network of friends. By helping, sharing, encouraging, inspiring each other, indeed, the burden is less in time of trouble with the help of friends. Carrying each other burden is just one fulfillment of God's commandment. Our chapter since the start of its inception has been the instrument of this cause. Recently, the Committee on PICE Qatar Affairs team (COPA) initiated the campaign for the assistance of members in need and currently confined in the hospital.
6. Amnesty program for delinquent members has been agreed and due for implementation by next month. The program will run till the 30th of September 2019.
7. Campaign and finalization of the participants for the 8th International Technical Conference to be held in Kuwait on August 12-13, 2019.
8. Campaign to support and sponsor Math Whiz 2019 by participating in badminton and basketball tournament. Games will kick off next month.
9. Final briefing with PPO-Q/ POLO regarding the conduct of Special Professional Licensure Examination in Qatar on August 12-14 2019.

Moreover, our constitutional committees led by different chairmen are closely working with each other. Committee on Membership (COME) has been very busy updating membership status along with the Committee on Life Membership and Specialist Applications (COLSA) in charge of the review of LM/Specialists/AER/ACPER/APEC application for free to interested members who wanted to upgrade their status. Committee on Ways and Means (COWME) supporting other committees especially the need of PICE uniforms. The Committee on Publications and Information (COPI) has consistently publishing the monthly newsletter. Thanks to 1VP Engr. Shiela Medel and 2VP Engr. Elvin Fajutagana actively supervising committees under his/her watch. What more important is the constant participation of Adviser/Past presidents and even contributing financial support from their pocket to support our programs. The preparation for General Assembly in November 2019 may also kick off next month.

Lastly, thanks to all members of the PICE Qatar EXECOMM 2019 who kept the spirit of unity and camaraderie for the interest of the chapter and using the opportunity to inspire others in our little way by being the model in promoting civil engineering profession and personal advancement.

May the month ahead filled with abundant blessings, miracles, and opportunities for all especially for those members who are still searching for a job.

**God Bless PICE Qatar and More Power.**

# GIVE ME A MOMENT

by Engr. Alden Cayaga

**I**n an effort to increase awareness of the PICE Qatar Chapter's latest version of the amended and ratified Constitution and By-Laws (CBL), the author will be presenting a three-part series to simply cover the most common provisions of the Chapter's CBL.

On this first part, we shall cover the general terms and definitions we frequently bump into as members of this organization.

Let us dig deep and try to understand the following list of terms and definitions as stated in the Chapter's CBL.

\* \* \* \* \*

## ACTIVE MEMBER

- Surprisingly, there are no specific provision in the CBL defining what is an Active Member other than the description stated in Article 10 Section 10.3, whereas – Members belonging to other Chapters applying for membership with PICE Qatar Chapter will be advised to settle all their back dues (if there be any) as advised by the National Office before they are recognized and classified officially as "active" members of the Chapter.
- Provisions such as those found in Sections 4.2 and 4.3 of Article 4 only describes the "Rights" and "Privileges" of Active Members.
- Active Members can also be considered to be those not in "Inactive Status" as described in Section 4.5 of Article 4.
- Reference can also be made to "Member in Good Standing". However, the CBL does not contain any specific provision stating that the two terms can be considered to be one and the same.

## ASSOCIATE MEMBER

Shall be a Filipino citizen who has acquired the degree of Bachelor of Science in Civil Engineering (BSCE) or its equivalent from any recognized engineering institution in the Philippines or abroad but who has not yet been admitted to the practice of Civil Engineering by the PRC, and who otherwise fulfills all other requirements for such membership as provided in these By-Laws (Article 4 Section 4.1.2); Refer also to Article II of the By-Laws of the Institute.

## BOARD OF DIRECTORS or BOD

As specifically defined in Article 5 Section 5.1, the BOD shall be composed of fifteen (15) members elected annually by the General Membership in accordance with Article 8, the Immediate Past President, and a representative from the Council of Advisers.

Note that specific provisions regarding the powers and function of the BOD are stated in Article 5 Section 5.3, whereas –

5.3.1 The BOD shall exercise full control and supervision over the business and affairs of PICE QATAR, have exclusive control and management of all funds of PICE QATAR and to perform such acts that shall protect the best interest and integrity of PICE QATAR, the Institute as well as the Civil Engineering profession, including but not limited to suspension or expulsion of BOD members who fail to perform their duties and responsibilities. Provided, however, that any suspension or expulsion requires two thirds (2/3) majority vote of the BOD and subject to the provisions of Article II Section 11 of the By-Laws of the Institute.

## EDITORIAL BOARD

As stated in Article 7 Section 7.8

# A COMPENDIUM OF TERMS AND DEFINITIONS

Clause 7.8.1 - COPI shall act as the Editorial Board of any PICE QATAR publication and shall scrutinize and control any information about PICE QATAR before they are disseminated.

## EXECUTIVE COMMITTEE or EXECCOMM

As stated in Article 5 Section 5.1 Clause 5.1.1, the EXECCOMM shall be comprised of the seventeen (17) individuals (BOARD + Immediate Past President + A Representative from the Council of Advisers).

## FULL TERM

A minimum of not less than four (4) months of service by a Director shall be considered to have provided a **full term of service** (Article 5 Section 5.2 Clause 5.2.3).

## GENERAL ASSEMBLY

As stated in Article 11 Section 11.1 Clause 11.1.1 - The Regular Annual General Assembly shall be conducted every last Friday of November. The Agenda of the General Assembly shall include, but not limited to, the following: (a) Report of the Treasurer; (b) Report of the President; and (c) Election of Board of Directors.

## LIFE MEMBER

Shall be a Filipino citizen who has fulfilled all the requirements of the Institute for such membership. Life members shall continue to possess and enjoy all the rights and privileges of a Regular Member in good standing but shall be exempted from the payment of annual dues (Article 4 Section 4.1.3); Refer also to Article II of the By-Laws of the Institute.

## MAJORITY VOTE

No specific provision is stated in the latest CBL. Thus, definition regarding what is a majority vote must be

(Continued on page 5)



**Alden Cayaga** is a civil-structural engineer by profession. He is secretly an introvert, a former real-time strategy games enthusiast, and a graphics designer wannabe.

He would like to make this column a personal notepad for some odds and ends, tutorials and other tips or DIY projects which he hopes others will find interesting and useful.

(Continued from page 4)

addressed by the Robert's Rules of Order which in context the word "majority" simply means, more than half.

### MEMBER IN GOOD STANDING

Every member who is up-to-date in the payment of all fees, dues and all authorized special assessments as provided in these By-laws, as well as those that may be payable to the Institute shall be considered "Member in Good Standing", provided that such member is not under suspension from the practice of Civil Engineering by the PRC or from membership privileges in the Institute under Sections 11 and 12 of Article II of the Institute By-laws (as approved by the Philippines Securities and Exchange Commission [SEC] on 08 July 2013) - as stated in Article 10 Section 10.4

### QUORUM

For Annual General Assembly - The physical presence of at least one hundred (100) members in good standing or at least two-thirds (2/3) of the active regular members on record, whichever is lesser, shall constitute a quorum for the transaction of business (Article 11 Section 11.4 Clause 11.4.1).

At EXECOMM Meetings - The physical presence of the majority of the Board of Directors shall constitute a quorum for the transaction of business (Article 11 Section 11.4 Clause 11.4.2).

### REGULAR MEETINGS

Regular meetings of the EXECOMM are stated in Article 11 Section 11.3 Clause 11.3.1 scheduled every first Friday of the month at such place and time the EXECOMM may designate.

### REGULAR MEMBER

Shall be a Filipino citizen who is duly registered in the rolls of the Professional Regulation Commission (PRC) to practice Civil Engineering in the Philippines and who fulfills all other requirements for membership in these By-Laws (Article 4 Section 4.1.1); Refer also to Article II of the By-Laws of the Institute.

### ROBERT'S RULES OF ORDER

The generally accepted rules of parliamentary procedures (in the latest edition) applied in all PICE Qatar Chapter meetings (Article 11 Section 11.6).

### SPECIAL MEETINGS

Special meetings of the EXECOMM can

be conducted at any time subject to the compliance of the provisions stated in Article 11 Section 11.3 Clause 11.3.2 as follows:

i. Upon call by the President in writing or through telephone call to all other BOD's.

ii. Upon written request by at least five (5) BOD's sent to all the other members.

### TENURE OF THE BOARD

The BOD shall serve for a term of one (1) year which shall commence at 12:01 a.m. of January 1 and end on December 31 at midnight of the same year (Article 5 Section 5.2 Clause 5.2.1).

\* \* \* \* \*

Follow our next issue as we take on a new topic regarding specific provisions of the chapter's CBL.

To get the latest copy, please go to the PICE Chapter's website at <https://www.piceqatar.com> and <http://pice.org.ph/wp-content/uploads/2018/05/PICE-Amended-By-laws-1.pdf> for details.

## NOW PHILIPPINES

Luisito Carlos

# RA 11312: Magna Carta for Scientists, Engineers

An act strengthening the Magna Carta for scientists, engineers, researchers, and other technology personnel in the government has been signed by President Rodrigo Duterte on 15 July 2019.

This newly signed act, RA 11312, amended RA 8439, which mandates compensation for science and technology workers not directly working for the Department of Science and Technology (DOST).

### Classification of S&T Personnel:

- S&T managers, supervisors, and planners
- Members of the scientific career system
- Scientists, engineers, and researchers
- DOST technicians and related S&T personnel

### Benefits:

- Honorarium
- Share in royalties
- Hazard allowance
- Subsistence allowance
- Laundry allowance

- Housing and quarter allowance
- Longevity pay
- Medical examination
- Scholarships and grants
- Honorarium of other services
- Highest basic salary upon retirement

Several amendments have been introduced in the newly signed law as follows:

- Honorarium – in the new law, the government shall not impose limit on the amount of additional honoraria that may be received by S&T personnel.
- Certification – under RA 8439 Non-DOST S&T personnel can avail the benefits under the act but to be certified only by the DOST Secretary. Under this new act, the Head of the Agency can certify those S&T personnel involve in STA. Provided that the heads of the agency shall abide by the guidelines promulgated by DOST.
- Extension of Services of Scientists – the services of scientists who is due for compulsory retirement may be extended for a maximum of five (5) years: Provided that the

research project is within the priority research and development programs of the DOST and is identified as strategic to the national development as certified by the DOST Secretary. Services rendered during this period of extension shall be credited as part of government service, and such extension shall entitle the employee to leave credits and other benefits.

### Definition of Terms:

**S & T Personnel** – Science and Technology Personnel.

**STA** – Scientific and Technological Activities.

**Scientific Career System** – a career system for S&T Personnel in the service of the government.

**Magna Carta** – a document constituting a fundamental guarantee of rights and privileges.

### Sources:

<https://www.senate.gov.ph>  
ABS-CBN News FB post on 15 Jul 2019.



# PICE QATAR UPDATES



## 7<sup>th</sup> EXECOMM Regular Meeting Held

PICE Qatar Headquarters, Fereej Bin Omran, Doha, State of Qatar

Alfonso Betita

**P**ICE Qatar Executive Committee 2019 hold its 7th Regular Meeting last July 5, 2019 at the PICE Qatar Headquarters at Unit 9, Building 9, Street 854, Zone 37, Bin Omran, Doha, Qatar. The meeting started at 8:30 AM and adjourned at 12:45 PM.

The meeting was attended by nine (9) Officers, six (6) Committee Chairmen, one (1) Immediate Past President and three (3) members of the Council of Advisers.

During the course of the meeting, several topics were discussed which mostly focuses on the activities initiated or to be initiated by the different PICE Qatar committees. Highlights of the discussion are the preparation for the forthcoming Special Professional Licensure Examination (SPLE) where the Professional Regulation Commission conditionally approved a total of 127 Civil Engineer licensure examinees for the August 12 and 13 undertaking as reported by CoHOPLE Chair, Engr. Bernard De

Vera and the forthcoming Blood Donation Drive by CoPA which is scheduled on July 26, 2019.

It was also proposed and tackled in the said meeting to give an amnesty to the inactive members in the form of discount to their accumulated arrears. CoME Chairman, Engr. Rogel Banal was tasked to draft the proposal which will be the basis of the Board Resolution to be prepared by the Chapter Secretary. Target implementation is as early as next month of August 2019.

## PICE Qatar Members Nearing 3,500

Russel Flores

**T**he Committee on Membership (CoME) through Chairman Rogel Banal confirmed that as of July 31, 2019, the last membership number issued is 3,431.

For this month, five (5) new members were accepted comprising of two (2) regular and three (3) associate members. Meanwhile, 30 individuals have updated their membership dues.

Following the committee meeting,

an amnesty program to the payment of chapter dues will be proposed for the BOD's approval. The amnesty is expected to be implemented beginning next month which was aimed to reinvigorate the membership participation in the organization's activities.

The committee continued to call all members to update their yearly dues in addition to encouraging other Filipino Civil Engineers to join the organization.

**PHILIPPINE INSTITUTE OF CIVIL ENGINEERS**  
Qatar Chapter  
INTERNATIONAL CHARTER NO. I-03

**Fellow Engineers,**

Please come and JOIN us for our weekly MEET & GREET at the following locations:

- WEDNESDAYS at FCC Al Thumama (7pm-9pm),
- SUNDAYS at Big Diners, Mansoura (by appointment only) and,
- FRIDAYS at Oryx Rotana Hotel, Old Airport Road (8am-4pm).

Be updated and become a member with good standing.

Engr. Rhoyn Banal  
COME Chairman



# PICE QATAR UPDATES

## EXCEL Made It Easy

Jerick Lising



Photo Courtesy of Engr. Henrik Gal De Ocampo

**T**he PICE Qatar - members of PICE Qatar Committee on Chapter who received a Continuing Professional Advancement (CoCPA) organized for the first time this year a CPD training conducted by an external speaker on one of the most common tools used by Civil Engineers to make reports and calculations – the Microsoft® Excel.



Held on July 12, 2019, at City Centre Rotana Hotel, West Bay, Doha, State of Qatar, the resource speaker/trainer is a graduate of BS Accountancy and a Certified Public Accountant, Ms. Michella Camille S. Reyes. The event was attended by 32 active

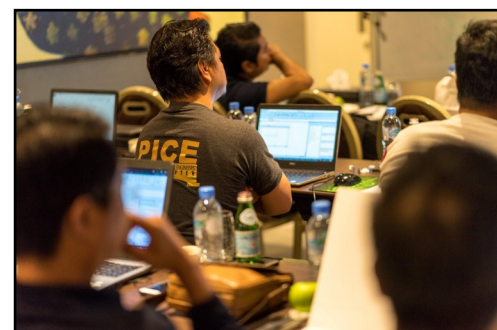
members of PICE Qatar Chapter who received a progressive methodology in the use of Microsoft® Excel aiming to increase work efficiency and calculation accuracy.

The four-hour training was divided into two levels: the Basic and the Advanced. For the Basic Level, the speaker introduced the Microsoft® Excel Workbook and then discussed the parts of Ribbon; Quick Access Toolbar; Formatting Rows and Columns; Formulas; and other contents of the worksheet which includes the editing and wrapping it up.

While for the Advanced Level, the speaker taught on how to perform the VLOOKUPS to extract data from the different files and to summarize large-scale data worksheet using Function and Pivot Table. The speaker also gives hints on how to effectively use the Pivot Tables and Pivot Charts.

To earn for CPD units, this special topic training can be

applied as a Self-Directed activity as per PRB of Civil Engineering Resolution No. 2017-07 – "Operational Guidelines on the Implementation of RA 10912 Otherwise known as "Continuing Professional Development Act of 2016" for the Civil Engineers". For more details on this procedure, please visit the website of Professional Regulations Commission (<https://www.prc.gov.ph/>) or click the following link to view the civil engineering resolution directly: [https://www.prc.gov.ph/sites/default/files/PRB\\_CIVILENG\\_reso2017-07.pdf](https://www.prc.gov.ph/sites/default/files/PRB_CIVILENG_reso2017-07.pdf).



# Fire Safety Awareness

**F**ire comes under the most common reason for the loss in the work areas. It is one amongst the more important reasons for the accidental loss of human resources at the work area. The numbers of fire-related accidents aren't solely increasing once a year. However, the danger is relatively changing each year. Even a little fire will cause a great deal of loss within the business. Thus, it's extremely vital to be aware of fire safety both at work and at home as well.



Having correct fire prevention equipment isn't solely the legal compulsion for business proprietors. However, in addition to the moral duty of the owner towards their employees.

If the workers will feel that they are safe in their workplace, it is very evident that they will work with more relax mind and with more efficiency and this can only result in the growth of the business.

While several businesses and work area provide their employees to have the guidance relating to fire prevention and the way on how will they avoid such things or what they must do at the first time, while these training can be obtained online as well.

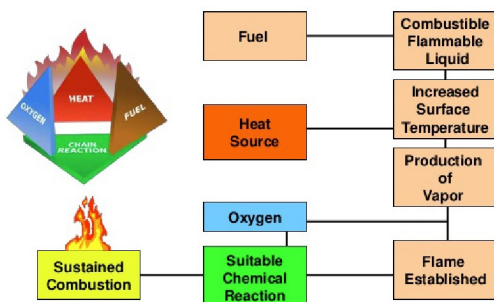
Obtaining web information is not solely convenient, however, in addition to save the countless time of the person. So before moving towards the prevention ways and details, let's initially understand "What is fire?"



**Fire.** Fire is defined as the method within which the substances mix chemically with oxygen present within the air and can result bright light, heat, and smoke.

Strictly speaking, fire is that the fast reaction of a material within the exothermic and the chemical process of combustion, releasing the heat, light and numerous reaction products."

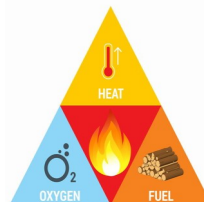
## Principles of combustion in fire safety.



If we need to understand the way on how to prevent fire and the process of preventing fire, initially we have to understand what are the principles of combustion. We have to clearly understand what causes fire and what makes these chemical reactions into

fire. The first and foremost thing that requires any fire to occur at first instance is anywhere in the presence of flammable item, that it can be anything and in any form, like liquid, solid or even gas. Then the presence of any material will act as the ignition source of the fire is a must in the area to start the fire and to give the flammable item the cause to start to burn. Then the most important thing to be present to create fire a continuous process of combustion is the air, which is containing oxygen.

Surprisingly, if any of the above-mentioned things is not present it is impossible to even start a fire. In a simple manner this is commonly known as the fire triangle.



Now that we have discussed what fire is and what causes and sustains fire, let us see the possible causes of fire and learn how fire spreads.

## THE MAIN CAUSES OF FIRE AND FIRE SPREAD

The studies made by Fire Protection Association have enlisted the following things in the below which are the main sources of the fire in work place such as production and storage areas are the following:

- 1.) Production Area:
  - a) Heat producing plant and equipment
  - b) Frictional heat and spark
  - c) Refrigeration plant
  - d) Electrical equipment
- 2.) Storage Area:
  - a) Any kind of intruder, including children
  - b) Cigarettes and smoke to be present in the area
  - c) Refuse to burn
  - d) Equipment that store materials like packaging materials etc.

## MOST COMMON CAUSES OF FIRE AT THE WORKPLACE

The last thing anyone would want to deal with at the workplace is an accident, especially a fire. There is a very serious and dramatic danger that can destroy a business and potentially take human lives.

Prevention is very critical when dealing with the issue of fire safety, and there are many various factors that can be enforced to lessen the risk. Fires always have a root cause. The destruction and potential loss of life are grievously the direct results. There are plenty of aspects that can escalate the chances of a fire breaking out. The most common causes of fire at the workplace, and what are the preventative measures you can take to lessen the risk of one occurring.

**1. Faulty Electrical Equipment.** One of the most common causes of workplace fires is doubtlessly the electrical faults. They

tend to be caused by defective wiring, overloaded sockets or plugs, and equipment that is old and malfunctioning, becoming overwhelmed and leading to sparks that start a fire on combustible materials.

It's important to note that it is legally applicable for a workplace to ensure that all equipment works and functions correctly, and this includes electrical machinery. Every year, it is mandatory that a Portable Appliance Test (PAT) be conducted on all electrical equipment at a workplace to ensure it functions properly and is not a safety hazard. All items that pass the PAT test are labeled with a sticker outlining the date of test and pass. Knowing all electrical equipment at work functions fully and is in correct working order is vitally important to fire prevention. Having PAT tests carried out regularly will go a long way to reducing the risks associated with electrical fires.



## 2. Clutters.

Clutters are common issues in the offices and if regular cleaning and maintenance are not carried out, it will eventually increase the odds associated with a fire breaking out. The offices are full with combustible materials and fire hazards. Ranging from the simple built up dust, grease, and overloaded refuse areas, to built up dirt and poorly ventilated areas can cause machinery and equipment to become overwhelmed with heat which can lead to a fire.



A regular cleaning regime and ensuring work areas are at an optimal state is integral for reducing potential fire risks.

Actively encouraging employees to keep their working environments as clean and tidy as possible will help to mitigate the risk of a fire breaking out hugely.

## 3. Combustible Materials.

It goes without saying that if the workplace stores or uses flammable or combustible materials, the safety must be of prime importance for both employees and the management of those materials.



If a workplace is known to be utilizing combustible material then correct storage, disposal and handling the processes must be highly regulated and the safety must be considered predominant for all the workers. Proper education, information dissemination and training on handling the combustible and flammable materials must be done regularly.

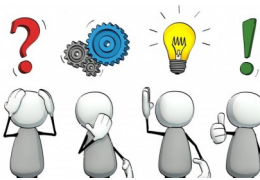


# Quality, Health, Safety & Environment

**4. Human Error.** Another major reason for the fires that can occur inside the workplace is basic human error. This is typical because of incidents that were not intentional. A number of things can happen in a variety of ways including burning food in a staff area, spilling flammable liquids, improper use of machinery or equipment that overheats, and simple carelessness.

One method to prevent these types of incidents from escalating is to ensure there's plenty of suitable fire extinguishers located around the work area. It's also important that all employees are properly trained on how to use fire extinguishers and to regularly address and assess any potential risks in the workplace that could happen due to human error. Example being the blocking of ventilation areas, stacking paper or card in a flammable area, misusing or improperly storing flammable or combustible materials, or overusing equipment or using equipment improperly. To help avoid these known issues, it's imperative to train your employees appropriately. Business owners should conduct reviews, retraining, and assessments at regular intervals to ensure proper workmanship and reduce any risk of fires in the future. To help avoid these known issues, it's imperative to train your employees appropriately.

**5. Negligence.** Sad to say, there are plenty of opportunities where fire can start at work due to negligence and lack of care.



In an attempt to get a task done quicker, workers tend to do short cuts than to do what have been known to be taken where certain workers have chosen to ignore correct procedures to get the job done faster, which can indirectly cause a major fire and health and safety risk. In example being the blocking of ventilation areas, the stacking paper or card in a flammable area, the misusing or improperly storing flammable or combustible materials, or the overusing equipment or the using equipment improperly. In order to help avoid these known issues, it's imperative to train your employees appropriately. Business owners should conduct reviews, retraining and assessments at regular intervals to ensure proper workmanship and reduce any risk of fires in the future.

**6. Arson.** Grievously, arson and the deliberate act of starting the fires is not as rare as some may believe.

In industrial and commercial businesses, for example, it has been known to be targeted by criminals. However, there are methods in order to prevent this. The first method is to prevent the vandals from causing fires is to use the CCTV- Close Circuit Television Cameras and motion sensor lights tenaciously. In most cases, the suitable security system will make the would-be vandals think twice. Another method is to help deal with a potential fire is to have an interior anti-fire sprinkler system installed, especially in the areas that are of higher risk. This could help



limit the damage if the fire broke out, and could prevent any fires from spreading to different parts of the building. Being able to prevent the fire in the workplace is something that must be taken very seriously, evaluated and to be addressed correctly. Training the employees on fire safety and following the fire prevention methods outlined above can reduce the risks and the chances of a fire in the workplace.

## MOST COMMON CAUSES OF FIRE IN HOME

Here are the most common causes of fire and must learn how to protect your family and home against fire.

### 1. Cooking Equipment.

Cooking is one of the main cause for igniting a fire in the house. Most of the fires in the kitchen can occur because people get distracted and leave their cooking unattended. When the pot or pan overheats or splatters greases, Oil, Ghee, etc. The tendency is it can catch the fire quickly.



**2. Heating Systems.** Portable Heaters are also the reason for fire hazards. Always make sure that heater is located away from Curtains, rugs, cloths or other materials / eatables / groceries that may easily catch fire.



**3. Smoking.** Smoking can be the most dangerous thing to start a fire. Smoking is one of the major cause of residential fires. People fall asleep while they are still smoking and put their cigarettes on bed, chair or couch which can quickly catch fire.



**4. Candles.** Burning candles can look and smell pretty, but it can be very hazardous. They can burst into flame very quickly. Candles, therefore, should be kept away from anything that can burn quickly, such as magazines, books, tablecloths and other easily combustible materials. This is the one of the major reason for damages to property.



### 5. Faulty Wiring.

Fires can occur due to faulty wiring or outlet power overload. If you plug the device into an outlet with a defective cable, tendency it can cause a spark and may eventually cause fire. Especially if your home's wiring is old. The possibility of this kind of fire is more.



**6. Electrical Equipment.** An electrical appliance, such as toaster, Microwave, Mixture Machine can catch fire if it is faulty or has a faulty cord. A power point that is overloaded with double adapter plugs can cause a Fire from overuse of electricity. If the PowerPoint



extension is not used properly it can also cause fire.

**7. Flammable liquids.** Flammable liquids get too hot and catch fire in seconds & spread in microseconds. They cause either fire or blast. If you have any flammable liquids in the home or garage such as petrol, kerosene, fuels, solvents, cleaning agents, thinners, adhesives, paints, and other liquids keep them away from the heat or fire sources because they can catch fire quickly in no time.

**8. Curious Children.** Children are naturally curious, and they would equally like to understand the fire. When kids play with the lighter and matches, they do not understand what are the dangers of fire. They then can become responsible for the small or large accidental fires.

**9. Dried leaves.** You should be regularly clean up the areas inside and around your home. You should be immediately remove dried leaves, wood sprinklers and other things that can quickly catch the fire.

**10. Gas Leak.** House LPG bottles are usually being stored inside the house. Gas can leak from the gas application, connection or fittings Gas from the leak can accumulated in limited space, and that is what catches the fire or explodes suddenly.



Natural gas has become the widespread energy source because it is highly combustible, which means that it can produce the large amounts of heat when you burn even in small amounts. A natural gas can spread quickly and combusts easily, so Gas leakage can also lead to various accidents and fire disaster.

Sources:

<http://www.safetymessage.com/images/books/enpdf/fire/>

[introduction%20to%20Fire%20safety%20Management.pdf](http://www.safetymessage.com/images/books/enpdf/fire/introduction%20to%20Fire%20safety%20Management.pdf)

<https://www.free-safety-training.com/an-introduction-to-fire-safety-and-prevention/>

<https://gharpedia.com/most-common-causes-of-fire/>

<https://www.naffco.com/qa/en/fire-safety-tips>

<https://www.safety.com/fire-safety/>

<https://www.ecms-ltd.co.uk/6-most-common-causes-of-fire-at-the-workplace/>

<https://www.nbins.com/blog/risk-management/five-fire-prevention-tips/>

<https://www.nbins.com/blog/risk-management/five-fire-prevention-tips/>



# TECHNICAL SECTION

## Lean Six Sigma in Construction

### INTRODUCTION

Do you ever wonder what concept is the color-coding tape of our tools at the site? How about color-coding of the flag for heat stress management? Think of a sim card, why it has a cut in one of its edge? You will also see mostly the tools and techniques of lean six sigma in traffic management, even inside of your office, or at home.

I am sure you are very familiar with common methodologies like Project Management Body of Knowledge (PMBOK) by Project Management Institute (PMI), Projects in a Controlled Environment or PRINCE2, Critical Chain Project Management or CCPM, and Agile Project Management. Maybe you still don't hear of one process improvement methodology that has huge potential to minimize waste, decrease costs, increase efficiency, and create value to the customers or clients among others. In the construction industry, projects are becoming more complex and advanced but still, how do we manage projects we still much heavily rely on traditional concepts and techniques.

Lean Six Sigma has a huge success in manufacturing, and mostly automotive manufacturing companies adopted the methodology. It is becoming common also in the construction industry wherein some tools and techniques we are using nowadays were part of it.

### BACKGROUND

According to (The American Society for Quality, 2019), "Lean Six Sigma is a fact-based, data-driven philosophy of improvement that values defect prevention over defect detection. It drives customer satisfaction and bottom-line results by reducing variation, waste, and cycle time while promoting the use of work standardization and flow, thereby creating a competitive advantage."

### Lean

The history of Lean can be traced back when Henry Ford introduces the mass production system in which large quantities of products are needed to manufacture in a standard way. Later, Taiichi Ohno collaborated with Toyota to create a system similar to the mass production system but applicable to the production of Toyota and to the Japanese market, they came up with the Toyota Production System or TPS (Skhmo, 2017).

### Six Sigma

The normal distribution curve or also known as 'bell curve' was introduced by Friedrich Gauss in which six sigma can be rooted out. The concept of six sigma was developed by Mikel Harry and Bill Smith of Motorola. The actual utilization and use of six sigma were with General Electric (GE) with the aim to reduce waste, improve quality and reduce cost (6sigma, 2017).

### CONCEPT EXPLAINED

Lean Six Sigma has three elements to be able to maximize its idea in an organization

(GoSkills, 2019):

1. The process and methodology are one of those that is comprised of a series of phases.
2. Set of tools and techniques required to be able to identify and solve problems.
3. Lastly, an organization must have a culture and mindset for continuous improvement.

### DMAIC Cycle and Tools

DMAIC cycle (Define, Measure, Analyze, Improve, and Control) is an improvement phase that can be used even in complex problems with undefined root causes that need definite long-term solution and continuous improvement.



Figure 1: DMAIC Phases

Define – This first phase where we define the problem

Measure – The second phase in which we gather data and quantified

Analyze – the Third phase, we identify all possible root causes of the problem

Improve – When we identified root causes, then we find a concrete solution.

Control – We improve processes and implement the solutions sought from the improve phase.

Table 1: DMAIC Phases and Tools

PHASE	TOOLS
DEFINE	Project Charter, Flowchart, SIPOC, Stakeholder Analysis
MEASURE	Flowchart, Data Collection Plan, Pareto Chart
ANALYZE	Root-Cause Analysis, 5 Whys, DOE, FMEA, Gage R&R
IMPROVE	Action Plan, Kaizen
CONTROL	Control Chart, Control Plan

### Lean Common Tools

Lean tools improved the manufacturing industry astonishingly. It reduced most of the wastes in the process, increased their customer values, and greatly improved the effectiveness and efficient levels. In construction, some tools are being used and the potential of others is huge. Think of the color coding of our tools at the site, the concept of visual concept was used. The different sockets that we were using is a concept of Poka-Yoke or mistake-proofing. I listed below common tools that are already used in construction and still have more benefits if maximized.

1. Poka-Yoke / Mistake-Proofing
2. Takt Time
3. Standardized Work

4. 5 Whys

5. Heijunka

6. 5S

7. PDCA Cycle

8. Visual Factory

9. SMART Goals

10. Just-in-Time

### Lean Six Sigma in Waterproofing

In my study of how the Lean Six Sigma can be utilized in the waterproofing process improvement, I came up with a framework using a SIPOC diagram. I defined major problems in the following suppliers of data, processes, and management decisions like documentation, quality, production, materials, and operations. The inputs based on time, scope, budget, and quality will process through our DMAIC phases together with its tools and techniques. Upon going through those stages, a satisfied client will be glad to have the value-added benefits of Lean Six Sigma.

### SUMMARY

Lean Six Sigma is a very promising concept in construction that can contribute in reducing wastes based on lean manufacturing framework that includes defects, overproduction, waiting, not utilized talent, transportation, inventory excess, motion, and excess processing (McGee-Abe, 2015). In addition, the benefits of adopting Lean Six Sigma that include increasing customer satisfaction and creating a value-added service/product, employee engagement, and innovative approach will result in a better organizational position in the competitive market.

\*\*\*\*\*

### References:

6sigma. (2017, March 24). Six Sigma – Its Origin and Meaning. Retrieved from Six Sigma: <https://www.6sigma.us/six-sigma-articles/six-sigma-its-origin-and-meaning/>

GoSkills. (2019). What is Lean Six Sigma? Retrieved from GoSkills: <https://www.goskills.com/Lean-Six-Sigma>

McGee-Abe, J. (2015, August 12). The 8 Deadly Lean Wastes - DOWNTIME. Retrieved from Process Excellence Network: <https://www.processexcellencenetwork.com/business-transformation/articles/the-8-deadly-lean-wastes-downtime>

Skhmo, N. (2017, August 5). What is Lean? Retrieved from The Lean Way: <https://theleanway.net/what-is-lean>

The American Society for Quality. (2019). What is Lean Six Sigma? Retrieved from The American Society for Quality: <https://asq.org/quality-resources/six-sigma>



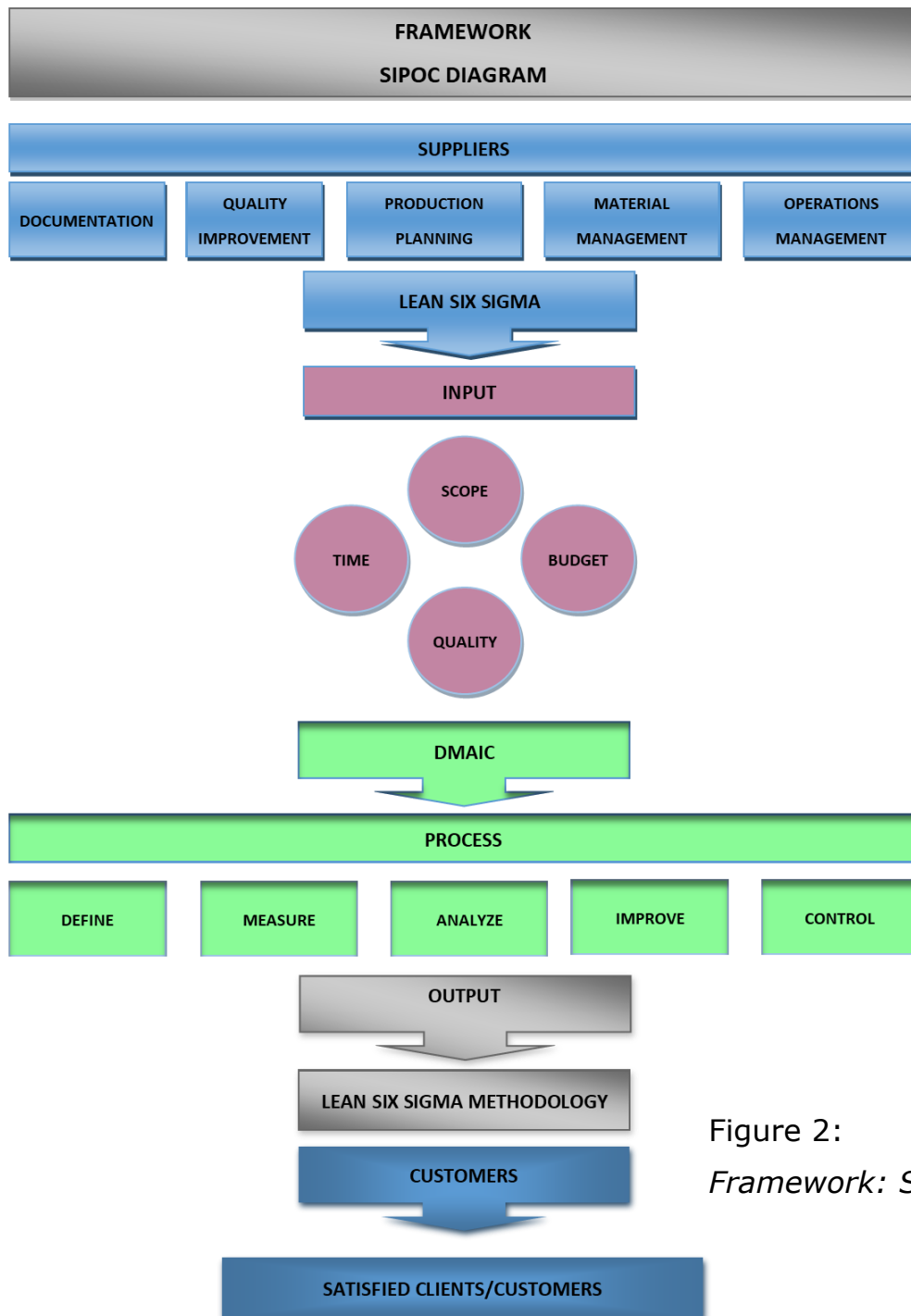


Figure 2:  
Framework: SIPOC Diagram



## About the AUTHOR

### Engr. Mark Anthony Santiago

BSc IEng MIET GMICE  
M.PICE | M.ASCE | LSSYB | RCE  
MBA Candidate 2020

Certified Lean Six Sigma Yellow Belt Professional – Technical University of Munich (TUM)  
Registered Incorporated Engineer (IEng) – Engineering Council (UK)  
Registered Engineer – Ministry of Municipality and Environment (MME – Qatar)  
Registered Civil Engineer – Professional Regulation Commission (Philippines)

MBA Candidate 2020 – AMA University Online Education  
BSc Civil Engineering 2009 – Bulacan State University

Member – Philippine Institute of Civil Engineers (PICE – Qatar Chapter)  
Member – the Institution of Engineering and Technology (IET – UK)  
Member – American Society of Civil Engineers (ASCE – US)  
Graduate Member – the Institution of Civil Engineers (ICE – UK)

# POTPOURRI

## Site Engineers

*Aurora Asda*



**N**ot all engineers get this chance. That is the luxury to sit in a comfortable chair, cozy desk with highlighter pens scattered for easy access when marking up a drawing, or some description in a specification. Not to mention the fully conditioned air, desktop computer, social media page at a minimized spot in the corner of the screen that needs only a quick Alt+Tab combination

whenever the prying eyes of management pass by, while the fragrant aroma of an air freshener reminds one of an autumn glade.

Somewhere in the outskirts of the same office sans the artificial winter ambiance of the latter, there stands another variant of a noble profession who oversees the vital toolbox talks to begin a typical day in a construction site. In fact, this individual equally holds a position of importance.

Whether society's prejudice of occasionally leaving them out of the organization chart or the fact that their humble ranks tend to be subject to many management's oversights, one cannot overemphasize the value the site engineer.

Many a project endeavor have found success or the opposite in the hands of the said individuals holding this position. This role, from the onset of civilization, demands the same passion as those individuals who put concepts into the paper as they are

charged with implementing the conversion of the virtual into reality.

They are the ones who read drawings at the most awkward of conditions: in the blistering heat, in the sticky humid air, unannounced rainfall that require quick action, ensuring all matters of technical in nature are in place before the diligent eyes of the quality control team scrutinize their work further like a writer's work being checked by an editor.

They also are an extension of the eyes of the decision-makers and commercial people as at the end of the day -they also have to put the story of the site in a few scribed narratives that at times decide the fate of matter of complexities such as a claim.



Let's not forget that they also must ensure that their men end their workday safe from harm; they embody leadership at the forefront.

Site engineers, our professional siblings, the eyes and brains in safeguarding our project's success: we salute you!





# POTPOURRI

FILL IN THE CODE

by Alden P. Cayaga

Unjumble the scrambled letters to form a set of clues describing our secret word related to the ongoing preparations of the FIFA World Cup 2022.



SIAULL

ALTYAB

DCEIOATYCIUTN

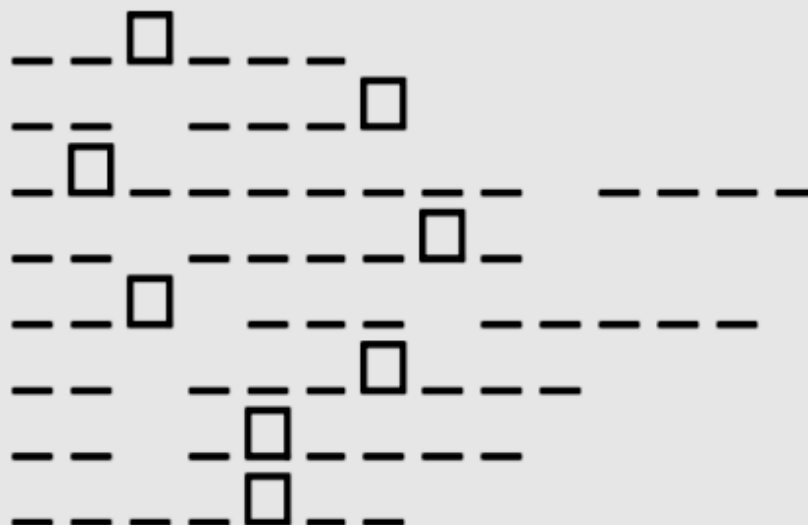
OLUABNJA

ASUORUBBADA

HMLATMUAA

AYLAYRAN

LIAKHAF



## IT RUNS IN THE BLOOD

by Belinda E. Dela Cruz

*"Family is not about blood. It's about who is willing to hold your hand when you need it most"*

**Unknown**



E	F	O	M	X	A	B	O	U	T	X	I	W	V	L	A
R	A	X	Y	O	U	X	D	I	A	N	T	I	G	E	N
Y	M	I	E	D	K	I	N	D	F	Q	X	M	Y	U	T
T	I	S	L	X	H	E	M	A	T	O	M	A	T	K	I
H	L	X	O	N	J	A	L	V	H	N	U	G	F	O	B
R	Y	O	M	O	S	T	N	S	R	I	C	K	N	C	O
O	O	T	A	T	N	B	P	D	O	E	Y	E	M	Y	D
C	U	I	T	X	P	L	A	S	M	A	H	Q	B	T	I
Y	R	L	D	B	I	O	H	A	C	W	H	I	T	E	E
T	X	Y	L	A	C	O	N	F	Y	M	N	X	O	S	S
E	N	M	A	J	E	D	F	L	T	O	R	I	K	O	X
S	I	P	N	U	P	L	A	T	E	L	E	T	S	K	A
X	V	H	O	L	D	G	X	I	S	A	D	S	E	L	B
W	L	O	R	Y	W	G	P	M	Y	R	U	X	D	E	O
H	E	M	O	G	L	O	B	I	N	R	D	E	L	D	U
O	G	A	L	E	S	S	U	R	C	Y	N	L	E	M	T
X	W	I	L	L	I	N	G	X	Q	H	E	E	P	B	X
B	L	O	O	D	C	L	O	T	S	A	N	E	M	I	A

This Potpourri Page, therefore, aims to be a venue for the miscellaneous collection of creative or even flowery inputs from PICE Qatar members. It may be a short verse, a poem, a trivia, a news, a joke, an announcement, a story or just about anything under the sun. Please share your good thoughts and send to:

[piceqatarnewsletter@yahoo.com](mailto:piceqatarnewsletter@yahoo.com)

# PICE NATIONAL UPDATE

## PICE National Leadership Explains Sudden Change of the Guard

Alfonso Betita

**U**nknown to most of the PICE Qatar members, the PICE National Leadership successfully hold a "changing of the guard" last June 2019. This is ahead of the usual election for leadership which traditionally coincides with the National Convention annually held every month of October, which came as a surprise even to the chapter officers and active members alike.

In the official statement released by PICE National, it says that "A complaint was filed against three (3) national officers for bringing PICE into partisan politics during the May 2019 Philippine Midterm elections. The three officers were accused of spreading political endorsement during one of the PICE events and

utilizing social media with the name and logo of the organization as background". It further added that the "said complaint is now with the PICE Ethics Committee for proper investigation". The full text of the announcement is available at <http://pice.org.ph/pice-official-statement-for-the-change-of-national-leadership/>.

In this connection, the new 2019 Board of Directors are:

**President:**  
**Erdsan Rene S. Suero**

**1st Vice President:**  
**Clemente A. Ibo**

**2nd Vice President:**  
**Antonio V. Molano, Jr.**

**Secretary:**  
**Peter Paul P. Dy, Jr.**

**Treasurer:**  
**Medel F. Chua**

**Business Manager:**  
**Frederick Francis M. Sison**

**PRO:**  
**Mark Jerome P. Tiongson**

**Auditor:**  
**Reynaldo G. Tagudando**

**Directors:**  
**April Frances Agatha G. Flores,**  
**Evelyn M. Hatulan,**  
**Bernardo C. De Guzman,**  
**Albert A. Perfecto,**  
**Ronnel M. Tan and**  
**Francis Aldrine A. Uy, PhD.**

**Immediate Past President:**  
**Robert S. Licup, PhD.**

**National Executive Director:**  
**Ixoperio R. Bonzon**



### PHILIPPINE INSTITUTE OF CIVIL ENGINEERS, INC.

**2019**  
**NATIONAL**  
**BOARD OF**  
**DIRECTORS**



**ERDSAN RENE S. SUERO**  
**PRESIDENT**



**CLEMENTE A. IBO**  
**1ST VICE PRESIDENT**



**ANTONIO V. MOLANO, JR.**  
**2ND VICE PRESIDENT**



**PETER PAUL P. DY, JR.**  
**SECRETARY**



**MEDEL F. CHUA**  
**TREASURER**



**FREDERICK FRANCIS M. SISON**  
**BUSINESS MANAGER**



**MARK JEROME P. TIONGSON**  
**P.R.O.**



**REYNALDO G. TAGUDANDO**  
**AUDITOR**



**BERNARDO C. DE GUZMAN**  
**DIRECTOR**



**APRIL FRANCES AGATHA G. FLORES**  
**DIRECTOR**



**EVELYN M. HATULAN**  
**DIRECTOR**



**ALBERT A. PERFECTO**  
**DIRECTOR**



**RONNEL M. TAN**  
**DIRECTOR**



**FRANCIS ALDRINE A. UY, Ph.D.**  
**DIRECTOR**



**ROBERT S. LICUP, Ph.D.**  
**IMMEDIATE PAST PRESIDENT**



# PICE NATIONAL UPDATE

## PICE's 45th National Convention and Technical Conference

Luisito Carlos

**P**ICE National, under PICE Circular No. 2019-14 dated 30 July 2019, will be hosting the 45th National Convention and Technical Conference.

The convention is scheduled to be held on 28-30 October 2019 at the SMX Convention Center, Seashell Lane, Mall of Asia Complex, Pasay City on the theme **"Competency Advancement in the 4th Industrial Revolution (CE 4.0)"**.

PICE National will host the event with the objective of providing members with the opportunity of:

1. Earning Continuing Professional Development units pursuant to RA 10912; The Modularized Technical program will include topics on the state of the art civil engineering technologies related to the six (6) specialty divisions of PICE, namely: Project Management and Construction Engineering, Geotechnical Engineering, Structural Engineering, Transportation Engineering, Water Engineering and Environmental and Energy Engineering.
2. Keeping abreast with the latest technologies related to

the civil engineering National Board of Directors:

3. Fostering of unity and camaraderie among civil engineers and all technology providers in the profession and,
4. Identifying areas where Civil Engineers can be of help for inclusive growth of the country.

Included in the circular are key dates of the convention:

- ⇒ 02 August 2019 – Release of Call for Papers
- ⇒ 05 August 2019 – Opening of Online Registration
- ⇒ 23 August 2019 – Deadline of Submission of Abstract of Papers
- ⇒ 04 September 2019 – Notification of Selected Abstracts
- ⇒ 04 October 2019 – Submission of Full Papers
- ⇒ 15 October 2019 – Closing of Online Registration
- ⇒ 28 October 2019 at 1:00 PM – Opening of the 45th National Convention

Additional rules will also be implemented for the upcoming convention as approved by the

- There shall be NO ON-SITE REGISTRATION. Participants must REGISTER AND PAY ONLINE via [www.pice.org.ph](http://www.pice.org.ph).
- Convention fee per participant is Php 4,000.00 for PICE members while Php 4,500.00 for non-members. This includes a Convention Kit, PM Snack and Fellowship Dinner for Day 1 (28 October 2019), and AM & PM Snacks and Lunch for days 2-3 (29-30 October 2019).
- Convention ID, official receipt and certificates will be sent thru the registered email addresses of delegates. LATEST AND UPDATED EMAIL MUST BE USED.
- Electronic attendance system for each session will be used for CPD accreditation units.
- Request for Refund shall be accommodated only for double payments for the same person until 21 October 2019.
- Registration is strictly not transferrable.

Source/s:  
<http://pice.org.ph>



**PHILIPPINE INSTITUTE OF CIVIL ENGINEERS, INC.**

**45th National Convention and Technical Conference**

**1<sup>st</sup> ANNOUNCEMENT AND CALL FOR PAPERS**

The Philippine Institute of Civil Engineers, Inc. will hold its 45th National Convention and Technical Conference on 28-30 October 2019 at the SMX Convention Center, Seashell Lane, Mall of Asia Complex, Pasay City.

For more details, please visit the Official Website of PICE National (<http://pice.org.ph>) and its Official FB Page

COPYRIGHT © 2019

# OUTSIDE HITTER

Russel Flores

## I Smell Blood

"The road to athletic greatness is not marked by perfection, but the ability to constantly overcome adversity and failure" taken from a NIKE® ad.

As I am writing this column, the PICE Qatar's basketball team – the Builders, are in the thick of the fight for the Philippine Professional Organization (PPO) Basketball tournament.

The team opened up the competition with the game against the Nurses (PNAQ) which is a nail-biting two (2) point win in a hot Thursday night. The team is showing good ball movement but seemed to be jittery at times during the game. After a tensed battle, the Builders found the will to close the game with a very narrow win.

The next game against the Electronics Engineers (IECEP) was very critical for the team. Following the momentum from the

previous game, the team made a strong start which dictated the tempo of the entire game. The Builders continue to build unsurmountable leads through the accurate perimeter game of chief gunner Gyrilou Paulin and big man Junelito Elcano and power play from the triumvirate of Dela Cruz-Bongo-Martinez. The team continues to clamp down on defense and a fluid offense, the game is very much decided within 30 minutes of play.

For the 3rd game, the battle of supremacy against a longtime rival – the Mechanical Engineers (PSME). Both teams entered the game undefeated and all psyched to take win No. 3. The Builders went on a rampage from the opening tip-off with fast-break plays and stifling full-court press resulting in the double-digit lead midway through the first quarter. However, the opposing team started to find their mark and inched closer at the final buzzer ending the quarter. The Builders continue to play heads up plays and selfless defense to pad the lead going into half time. As the game entered the second half, the

PICE Qatar's juggernaut continued which seem to break the Mechanical's team spirit to cruise with a seemingly easy victory.

The next games showed a more mature and deadlier team which blew the competition with two-digit winning margins per game. The highest winning margin came against the Respiratory Practitioners (FIL-ARPQ) with 63 points win via a final score of 112 vs 49.

With the way the team is playing at the moment, the chance to finish the elimination with a clean losing slate is highly possible. Who knows, they may roll down the tournament as champions. The only team capable of beating the Builders at this stage are the Builders themselves!

**"You were designed for accomplishment; engineered for success, and endowed with the seeds of greatness" Zig Ziglar**

"As the ball is set, let's hit it but remember – **sports lang dapat!**"

\*\*\*\*\*

**PPO-Q Sportfest 2019**

**TEAM STANDING**

AS OF JULY 26, 2019

TEAM	WIN	LOSS	PTS
PSME	5	3	13
PICE	6	0	12
PNAQ	5	2	12
PICPA	4	3	11
FILRAQ	4	4	11
UAP-QAC	4	2	10
IECEP-Q	2	5	9
FIL-ARPQ	1	7	9
GEP-Q	2	4	8
IIEE	2	5	6

Photo Courtesy of PPO-Qatar FB Page

IN COORDINATION WITH **LIMIT** **LESS** EVENTS

#PPOQSPORTSFEST2019

Find us on: Facebook, Twitter, Instagram

IMAGES AND LOGOS ARE PROPERTY OF THEIR RESPECTIVE OWNER

**BEST PLAYER OF THE GAME**

**PPO-Q Sportfest 2019**

**JULY 12, 2019**

**FINAL**

**PICE**

**112**

**FIL-ARPQ**

**49**

**#10 ELCANO Jenelito**

**JULY 26, 2019**

**FINAL**

**IIEE**

**87**

**PICE**

**101**

**#13 PAULIN Gerlou**

IN COORDINATION WITH **LIMIT** **LESS** EVENTS

Find us on: Facebook, Twitter, Instagram

IMAGES AND LOGOS ARE PROPERTY OF THEIR RESPECTIVE OWNER



**PHILIPPINE INSTITUTE  
OF CIVIL ENGINEERS  
QATAR CHAPTER**

International Charter No. I-03  
P.O. Box No. 30628 Doha, State of Qatar  
Email us at: [info@piceqatar.com](mailto:info@piceqatar.com)

Website: [www.piceqatar.com](http://www.piceqatar.com)  
Follow us:

[f](https://www.facebook.com/piceqatar) [i](https://www.instagram.com/piceqatar) [t](https://www.twitter.com/piceqatar) | @piceqatar