

# THE INVESTIGATOR

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> **MESSAGE FROM THE PRESIDENT** (p.1)

> **Answering the Call for Change and Good Governance: 4Ps+1** (p.10)

(p.9) Psychological First Aid

(p.3) **Special Feature:**  
*The Emerging Trends in Forensic Science Investigation*

(p.7) Focus Group Discussion on the Curriculum Development Fire Arson Investigation Course (FAIC)

*NFSTI 23rd Founding Anniversary* (p.5)

Men Opposed to Violence Against Women (p.9)

(p.11) CRIDEC Sports and Skills Olympics 2019

*Mr. and Ms. CRIDEC* (p.12)

(p.1) **MESSAGE OF DIRECTOR** <



## NFSTI

“ Bridging the Gap between Theoretical Instructions and the Realities of Public Safety Works through the Aid of Forensic Science.”



# MESSAGE OF THE PPSC PRESIDENT



At the outset, I would like to congratulate the personnel of the National Forensic Science Training Institute (NFSTI) for their efforts in publishing the NFSTI newsletter for the 1st and 2nd quarter of 2019, highlighting the institute’s major accomplishment for the past year and for the beginning of 2019.

Certainly, I am aware of your earnest desire to uplift the status of NFSTI as premier constitutive unit of PPSC which provides quality investigation skills to the personnel of the tri-bureaus of the DILG and other law enforcement agencies in the country. The achievements we have shared in building its reputation as a no non-sense training ground for investigators is a common knowledge from among CRIDEC graduates. It significantly makes an impact on our vision of providing relevant and responsive law enforcement education in the country. It is thus imperative that I compliment each one of you for a job well done.

As you move on towards two decades of producing quality crime investigators, we must remain committed to our common goal of accelerating through the PPSC Vision 2030 which embodies professionalism, dynamism and integrity in all our collective actions as we serve the country’s public safety services.

In turn, the PPSC will continue to support NFSTI in all its endeavours towards the attainment of PPSC Vision 2030.

Again, congratulations to the NFSTI family for working as a team in publishing their official newsletter for the 1st and 2nd quarter of 2019. I expect that they will continue to face every challenge and opportunity with zeal and fervour.

Mabuhay ang NFSTI, Mabuhay ang PPSC.

  
**PLTGEN RICARDO F DE LEON (Ret), Ph.D.**  
PPSC, President

# MESSAGE FROM THE DIRECTOR



The National Forensic Science Training Institute (NFSTI) ends the first quarter of 2019 as we continue to focus our efforts in producing forensic science experts in the country. The accomplishments of NFSTI at large would not be possible if not for your continuous support

The issue’s theme is “Producing Credible Investigation through Modern Forensic Science in Bridging a Gap between Crime and Justice”.

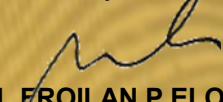
NFSTI will continue to perform its primordial duty of providing its clients with the knowledge of modern forensic science, particularly the intricacies of scientific procedures in order to boost their confidence in facing the various challenges inherent in crime solution. This is where the significance of NFSTI is humbly acknowledged by the multi-sectorial society.

There is no doubt on the significance of quality forensic science training in the 21st century where criminals smartly adopt to the advancement in technology to perpetuate their criminal motives at lesser risk, but greater illegal profits. For instance, attacks can be launched from anywhere in the world and routed through multiple proxy servers to hide evidence of their source and it is often difficult to unmask the culprit through digital evidence alone.

Thus, we need to remain relevant as a training institution and continue to move forward by touching bases and strengthening our collaboration with other agencies locally and abroad.

Again, congratulations to all for this year’s 1st quarter publication of NFSTI official newsletter. Keep up the good work.

Mabuhay ang NFSTI, Mabuhay

  
**PCOL FROILAN P ELOPRE**  
Director, NFSTI

# EDITORIAL

## NFSTI

### “Bridging the Gap between Theoretical Instructions and the Realities of Public Safety Works through the Aid of Forensic Science”

Sarah Weinman once said, “Ultimately, bridging the practice of forensic science and the public's need for story may be difficult. We crave narrative, order from chaos, a mystery solved, good guys winning out over the bad ones. But science, and forensic science, should be more neutral and, thus, more nuanced.”

This thought is one of the many ideas which is note-worthy to ponder about when it comes to the practice of forensic science. This thought has inspired this semester's entry for the editorial - the overarching theme of the National Forensic Science Training Institute (NFSTI) 1st and 2nd quarter News Letter for this year.

For this issue, the cover story features bridging the gap between theoretical instructions and the realities

in addressing the problem on providing quality investigation skills to the personnel of the tri-bureaus of the DILG and other law enforcement agencies on the country and providing its clients with knowledge of modern forensic science, particularly the intricacies of scientific procedures in order to boost their confidence in facing the various challenges inherent in crime solution.

For this newsletter's special feature, no less than PLTGEN RICARDO F DE LEON (Ret) Ph.D., PPSC President discusses leadership qualities needed to deal with the various challenges the country is facing in his article, “Answering the Call for Change and Good Governance: 4Ps+1.” He also promotes one of his brainchild, the “DIGONG Virus” meant to inspire other public safety and security officers.

## ABOUT THE COVER

Photo during the Arrival Honor of the PPSC President PLTGEN RICARDO F DE LEON (Ret), Ph.D. and Director NFSTI PCOL FROILAN P ELOPRE during the National Forensic Science Training Institute 23rd Founding Anniversary, held in front of NFSTI new building.

The cover also include the contents of the News Letter.



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# THE EMERGING TRENDS IN FORENSIC SCIENCE

The National Forensic Science Training Institute conducted a Lecture/Seminar entitled "The Emerging Trends in Forensic Science Investigation: DNA Analysis" last January 24, 2019 with Jervis Chow as Resource Speaker.

Primarily, the objective of the seminar is to strengthen the competency of CRIDEC students and instructors through technological knowledge in the field of Deoxyribonucleic acid (DNA) science. The seminar acquainted the participants in the latest procedures used by different countries in DNA Analysis; it provided the participants insights on how technology serves as a significant tool in solving crimes; subsequently, there was an increase in the appreciation of participants in collecting and handling evidence from the crime scene.



Jervis Chow discussed the Basic Introduction and Workflow of Short Tandem Repeats (STR) analysis, Age Estimation of an Individual via Pyrosequencing, Tissue typing via Pyrosequencing, Utility of X-STR for an identification case work, DNA Database and Workflow, Trend in direct amplification and Next Generation Sequencing (NGS). The most interesting part of the seminar is the discussion on the future of forensic science in the field of DNA Analysis.

The Resource Speaker lectured on the basics of molecular biology. He discussed the component of cells and how it is vital in DNA Analysis. He highlighted the term Short Tandem Repeats (STR). STR is a pattern that identifies the true identity of the person. Pictures and diagrams were shown to simplify the explanation of DNA.

Mr. Jervis Chow showed how DNA or samples are processed in the laboratory. Process flows are presented for better understanding. Samples that were processed in the DNA Lab are bone, semen, hair, nail, touch DNA, saliva swab, blood spot, chewing gum, body fluids stain, teeth and cigarette butt. The aforementioned samples are among the important pieces of evidence for DNA Analysis. The resource speaker put emphasis on how the integrity of evidence remain high by way of preventing contamination (mask, glove, disposable tools, avoidance moisture), proper DNA evidence storage (cool and dry environment, and avoidance of direct sunlight). He mentioned that separation of proteins and other cellular materials is one of the underlying principle of DNA extraction.

The resource speaker comprehensively shared his expertise in interpreting results. A series of illustrations and colorful charts were presented so that the participants understand at least the very basic of interpreting results. Though DNA Analysis is a very technical field of forensic science, Mr. Chow made the presentation simple and understandable.

Mr. Chow presented the 5 spices of forensic DNA laboratory. The 1st spice is the degradation which simply means the dying of cell, thus DNA degrades via physical and biochemical process through bacterial/ fungal contamination, light, humidity and temperatures. The Polymerase chain reaction (PCR) inhibitor which is the 2nd spice is basically the element affecting the analysis. Indigo dyes from denim jeans, hematin from blood, humic acid from soil, calcium from bone, tannic acid from leather products, collagen from bone, ethanol from DNA extraction steps and melanin from hair skin are among the PCR inhibitors. The 3rd spice is the contamination.

According to the resource speaker, there are two types of transfer, the primary transfer of contaminating DNA from person to the sample and secondary transfer which is the transfer of contaminating DNA to an object used in the laboratory scene and subsequently from this object to the sample. In addition, contamination may happen before the crime has been committed, in the interval between the crime and securing the crime scene, during the investigation of the scene, and within the laboratory. To avoid contamination, Mr. Chow gave some key precaution such as the usage of DNA-free consumables, frequent lab-decontamination, restricting access to a potential crime related exhibit or scene and regular changing of gloves by those touch exhibits. He also presented some real cases which happened in the U.S. regarding DNA laboratory and sample contamination. The 4th spice of DNA laboratory is the mixture sample. Mr. Chow explained that it is basically a biological sample that originated from two or more donors and is determined after the DNA profile is generated. Real cases were presented to understand how this DNA mixture affects court decision. The last spice is the Trace/ Touch DNA. Touch DNA is very limited and/or invisible biological samples and /Or amounts of DNA. Enable collection of touch DNA will be from wide range of exhibits which includes clothing, knives, vehicles, firearms, food. For more understanding, the speaker discussed the article published in the New York time entitled: "traces of crime : How New York's DNA techniques Become Tainted".

In the last part of the discussion, the resource person presented the future and emerging trends in the DNA Analysis. These emerging trends in the field of DNA Analysis will further strength the capability of law enforcement agencies with the identification of suspect and eventually in bringing justice to the victim.

A total of 130 participants attended the lecture/ seminar which includes CRIDEC students, faculty, staff, representative from NPTI, NJMPTI and Crime laboratory.

# SCIENCE INVESTIGATION : DNA ANALYSIS



Mr. Jervis Chow Thye Ming, the resource speaker, is giving the outline of his lecture. Participants are attentively listening. Participants were the students of CRIDEC, NFSTI staff, representatives from Crime Laboratory 4A, NJMPTI and NPTI. The participants actively participated during the Question and Answer part of the lecture. CRIDEC student asking question on the accuracy of DNA Magic Box and how new trends in DNA Analysis can speed up the release of result.



Director NFSTI, PCOL FROILAN P ELOPRE gives a Certificate of Appreciation and token to the Resource Speaker Jervish chow Thye Ming assisted by PMAJ RONILO C SONIO, Deputy Director and Mr. Vergel O Santiago, Chief, Research and Academic Affairs Division.

***"April 25th is DNA Day.  
I know, you probably  
had no idea."  
-Anne Wojcicki***



Faculty and Guest (standing from R to L: Atty Stephanie Gaw, SJO4 Jennyland Hermida, JSINSP FRANK VILLALUZ, Jove Usana, Vergel Santiago, SFO4 Aramis Arithedes Balde, PMGEN NICANDRO CANALEJA, PSMS Bhoebe Cadio and PSMS Haydee Mendoza; seating from R to L: PCPT DIANNE KHRISTINE ESCLANDA, Sr. MaryIn Mambusao, PMAJ RONILO SONIO, Mr Jervis Chow, PCOL FROILAN P ELOPRE, PMAJ MARY SHIELA ATIENZA and Aprilrose Macalintal.

# NFSTI 23rd Founding Anniversary

The National Forensic Science Training Institute (NFSTI) celebrates its 23rd Founding Anniversary last March 12, 2019, at the NFSTI, Multipurpose Hall, Camp Vicente Lim, Calamba City, Laguna, with PLTGEN RICARDO F DE LEON, (Ret) Ph.D. President, PPSC, as the invited guest of honor and speaker.

With the theme, "Producing Credible Investigation through Modern Forensic Science in Bridging a Gap between Crime and Justice," the week-long celebration under the guidance and stewardship of PCOL FROILAN P ELOPRE, Director, NFSTI, was highlighted by the giving of awards to the deserving employees, staff and personnel, as well as the bestowing of plaque of recognition to the outstanding instructors who have unselfishly contributed their field of expertise in the attainment of the mission and vision of the institute. Moreover, awards and token of appreciation were also presented to the institutions for their unwavering support rendered to NFSTI.

The momentous event was attended by PBGEN RAMON L RAFAEL, Director, National Police Training Institute, Dr. ROMEO S MAGSALOS, Director, National Police College, FSSUPT ROBERTO M GENAVE, Director, National Fire Training Institute, JSSUPT HILBERT M FLOR, Director, National Jail Management and Penology Training Institute, ably represented by JSINSP FRANK T VILLALUZ, PCOL PREXY D TANGGAWOHN, Deputy Director Philippine National Police Academy, together with Training Group, respectively. PLTCOL NELVIN M RICOHERMOSO, and PLTCOL PERGENTINO N MALABED,

Training Directors of National Capital Region Training Center and Institute. The occasion was also graced by the presence of Atty. Medardo De Lemos,



Deputy Director, National Bureau of Investigation and PCOL ROWEL M VACARO, Regional Chief, Crime Laboratory PRO CALABARZON.

Indeed, with the constant support of the President, PPSC, NFSTI will continually deliver its mandate the best it can be, and will persistently exist to serve is clientele at par with other constitutive units with its hardworking training staff and equally dedicated and committed faculty.

## INSTITUTIONAL AWARDEE 2019

**PCOL ROWEL M VACARO**

PRO-4A Crime Laboratory

**ATTY MEDARDO DE LEMOS**

National Bureau of Investigation

**PBGEN RAMON L RAFAEL**

Director, National Police Training Institute

**PLTCOL NELVIN M RICOHERMOSO**

Training Director, National Capital Region Training Center

## OUTSTANDING FACULTY 2019

FISCAL MAGNO M DELOS SANTOS

IDABEL B PAGULAYAN, Ph.D.

PLTCOL DEMETRIO V MANAHAN (Ret)

FDIR ROGELIO F ASIGNADO (Ret)

PBGEN NICANDRO CANALEJA (Ret) Ph.D.

PROF. GEORGE J DE LARA

JUDGE MARILOU R TAMANG

ATTY. MANUEL SE SATUITO

PSMS EMMAN A VENIDA

PSMS MARIA JANE A PANGHULAN

Mr. FLORANTE B PEREZ

## BEST NFSTI EMPLOYEE

PMAJ MARY SHIELA G ATIENZA

PCMS Daisy G Laranang

Mr. Hernan G. Reginio

Mr. Vergel O. Santiago

Ms. Aprilrose V. Macalintal

Mr. Willie P Sumagaysay

Mr. Jovey M. Talamayan

Mr. Domingo G Mangantulao

# Light Run Anniversary

The National Forensic Science Training Institute has celebrated its 23<sup>rd</sup> Anniversary last March 12 to 15, 2019. As part of its weeklong activity, the Institute has organized a distinctive fun run for the staff, students and other constitutive units dubbed as "Light Run". The fun run aims to foster camaraderie and promote healthy lifestyle through running/ jogging.

The participants are required to wear any accessories that lit at night. The activity was dubbed as "Light Up Your Life" and is another first in Camp Vicente Lim.

A total of 725 participants attended the light run which includes CRIDEC students, faculty, staff, representatives from NPPTI and NFTI.

**Opening Program.** The opening ceremony were attended by PCINSP RONILO C SONIO,

Deputy Director and PCINSP MARY SHIELA G ATIENZA, Commandant of Students. The fun run was officially started when Ms. Aprilrose V. Macalintal, C, Curriculum/ Faculty, gave the rules and regulations of the activity. The Deputy Director gave his welcome remarks and sent gratitude to all the participants. On his message, he highlighted the importance of light in our life. The Deputy Director made mention that people will not appreciate the importance of light without experiencing darkness. He added that each participant has experienced their own darkness in life and was able to find light through discipline and determination. After the message, a Zumba routine was conducted led by selected NFSTI Staff. The Zumba activity warmed up the participants in preparation to the run.

**Light Run Proper.** Mr. Hernan Reginio, Tactical Officer, reminded the participants to take extra care when running.

He highlighted that everybody should contribute to the success of the activity and ensures safety. The light is up at 6:46 PM with two kinds of runners; company run and the individual run. A total of 6KM or 5 rounds within Camp Vicente Lim was the route of the run.

**Closing and Awarding Ceremony.** PCOL FROILAN P ELOPRE, Director, NFSTI gave a medal and token of appreciation to top 10 finishers and was assisted by PMAJ RONILO C SONIO, Deputy Director, PMAJ MARY SHIELA G ATIENZA, Commandant and Vergel O. Santiago the Chief Research and Academic Affairs Division.

The light run ended at 8:15 PM and was immediately followed by a sumptuous boodle fight with NFSTI Students and Staff.

THE LIGHT RUN



Above: Male category The top 10 finishers from left: Mr Jayson Guerero, Pat Denzyl del Ayre, Pat Alexander Buenaventura, Pat Rodel Fulgencio and Pat Jake Sudden Duguiawe. 2nd row: Female category from left: Pat Jennica Ann Torrones, Pat Shiela Mariz Paner, Pat Glaziel Harina, Pat Maricris Bruce and Pat Cristy Joy Villarial. First row: NFSTI STAFF from left: Vergel O. Santiago, C, RAAD, PMAJ MARY SHIELA G ATIENZA, Commandant, PCOL FROILAN P ELOPRE, Director, NFSTI and PMAJ RONILO C SONIO, Deputy Director

# Focus Group Discussion on the Curriculum Development Fire Arson Investigation Course (FAIC)



Last June 5 and 6, 2019 at Doña Jovita Resort, Bagong Kalsada, Calamba City, Laguna. The activity essentially addressed the implementation of specialized training on Fire Arson Investigation for the personnel of the Bureau of Fire Protection (BFP). Primarily the focus group discussion is designed to gather insight from the subject matter experts from the arson investigation and forensic science fields.

Last June 5 and 6, 2019 at Doña Jovita Resort, Bagong Kalsada, Calamba City, Laguna. The activity essentially addressed the implementation of specialized training on Fire Arson Investigation for the personnel of the Bureau of Fire Protection (BFP). Primarily the focus group discussion is designed to gather insight from the subject matter experts from the arson investigation and forensic science fields.

The focus discussion was organized by the National Forensic Science Training Institute (NFSTI) in partnership with the National Fire Training Institute (NFTI). Specifically, 1). The FGD give subject matter experts (SME) and representatives their inputs regarding the program objectives, target participants, competencies and attributes of the graduates; 2) Validate the outputs for finalization and benchmark for the design of the curriculum path; 3). Surface inputs from the subject matter experts and representatives of relevant interested parties as to the curriculum ladder of the program; and 4). Propose the curriculum design and ladder which includes the course requirements such as the course description, lesson content, teaching and learning outcomes, and assessment tasks.

The activity was officially started when Ms. Carla G Felipe, Course Coordinator, NFSTI, led the opening prayer right after the singing of the Philippine National Anthem. Immediately, PCOL FROILAN P ELOPRE, Director, NFSTI, gave his welcome remarks to the participants. He highlighted that the activity is another milestone in putting NFSTI one step closer in achieving its mission and vision in delivering a highly specialized training and education program for the personnel of Bureau of Fire Protection. Afterwards, PPSC President PLTGEN RICARDO F DE LEON, equally represented by PPSC VP for Administration, PBGEN FERDINANDO G SEVILLA gave his message to the participants.



PBGEN SEVILLA emphasized that the Fire Arson Investigation Course which will be implemented by the National Forensic Science Training Institute will further enhance the capability of the fire fighters professionals of the country. In addition, the outcome of arson investigation will be supported by forensic science and highly acceptable in court.

Dr. Ma. Victoria Tibon, Curriculum Expert from De La Salle University gave the over view of the activity and which would serve as the foundation in the creation of FAIC Program of Instruction. The 1st Part of the FGD is to identify the competencies and skills that a graduate of FAIC should have. In addition, it was agreed by the participants that the FAIC is a separate course from Fire Safety Inspection.

Such clarification further strengthened the fact that FAIC should be treated as a separate course to be conducted by NFSTI. After through discussion and evaluation, the team arrived at the consensus that a graduate of FAIC is a competent, truthful, steadfast, persevering and articulate fire investigation specialist who ensures public safety and social justice. Likewise, four specific competencies were drawn from the discussion. Hence, a FAIC graduate is considered to be a technically proficient investigator, an ethical public servant, a prudent practitioner and an effective communicator.

After the identification of competencies, Dr. Tibon and Prof. Ancajas (facilitator) started to get insights from the participants on the subjects to be included in the FAIC POI. The National Fire Training Institute (NFTI) presented their proposal to the subject matter expert, Generally, the proposed POI includes investigation, forensic science and law subjects which was subsequently accepted by the participants. However, it was agreed that each of the participants should be consulted individually based on his/her expertise C. RAAD, NFSTI will prepare the necessary documents to facilitate the fine tuning of proposed subject specifically the time allocation and the topics to be included .





# Advanced Computer Literacy

The Chief, Research and Academic Affairs Division, NFSTI, Vergel O Santiago conducted a seminar-workshop on Advanced on Computer Literacy last March 15, 2019 as culminating activity of the NFSTI 23rd Anniversary. The said seminar was held at the NFSTI Multi-Purpose Hall participated by the training staff and personnel.

Upon obtaining the majority of NFSTI personnel, the NFSTI Staff and personnel led by PCOL FROILAN P ELOPRE, Director, NFSTI seek the guidance of the Almighty GOD prior to the start of the Seminar Workshop on Advanced Computer Literacy.

In his lecture, Vergel O Santiago discussed the use of Computer Applications on Microsoft Word, Excel, Power Point made easy.

Certificate of appreciation was given to Vergel O Santiago as Resource Person. The Lecture/Seminar on the Advanced on Computer Literacy ended at 12:00 NN.



Vergel O Santiago, Chief RAAD/Planning Officer, NFSTI, lectures on the use of Computer Applications (Microsoft Word, Excel, Power Point,) made easy as the training staff attentively listen.

The lecture is an initiative of NFSTI to increase knowledge of the incoming CRIDEC students and staff regarding Transnational Organized Crime. The lecture was spearheaded by NFSTI Director, PCOL FROILAN PELOPRE. On his lecture, he discussed the megatrends in the world, the definition of Transnational Organized Crime (TOC), the factors that make the Philippines a haven for TOC, scale and significance of TOC in the Asia-Pacific region, strategic threats posed by TOC, what are the keys to understanding and responding to TOC, priority areas under the Comprehensive Program to Combat TOC and eleven categories of TOC.



The resource person gave the participants the megatrends which are the macroeconomic and geostrategic forces that are shaping the world. He highlighted the internet connected cities that was brought about by internet. After discussing the trends that are happening in the world, the resource person presented the nature of transnational organized crime. Basically, TOC is committed in more than one State; It is committed in one State but a substantial part of its preparation, planning, direction or control takes place in another State; It is committed in one State but involves an organized criminal group that engages in criminal activities in more than one State; or It is committed in one State but has substantial effects in another State.

In addition, PCOL FROILAN P ELOPRE stated that international organized criminals do not need to reside in the Philippines to engage in criminal activities targeting its interests and its people. The most powerful international organized crime groups benefit from the symbiotic relationship that their leaders have developed with corrupt public officials and business tycoons he added. The resource speaker also discussed the Eleven Categories of Transnational Organized Crime (TOC) which includes terrorism, drug trafficking, arms smuggling, trafficking in persons, cybercrime, environmental crime, economic crime, intellectual property theft, money laundering, smuggling of cultural property and piracy.

Token of appreciation was given to PCOL FROILAN P ELOPRE as Resource Person. The Lecture/Seminar on the Transnational Organized Crime ended at 12:15 PM.

## TRANSNATIONAL ORGANIZED CRIME

# Psychological First Aid: A Workshop for First Responders



The National Forensic Science Training Institute (NFSTI) is immersed now to deliver its mandates, it is being looked up as the Center of Development in Modern Forensics Investigation Education and Training in Southeast Asia by 2022, and partnering with institutions and universities as one of the strategies, plus to gain momentum to be known by our neighbouring member countries in the Association of Southeast Asian Nations (ASEAN), and the world.

Initial steps are the tying of objectives with the agencies, universities, and colleges that have significant standings in science, in this particular activity the University of Santo Tomas (UST). Proponents of this activity, specifically the Director, NFSTI PCOL FROILAN P ELOPRE sees the importance of Psychological First Aid (PFA) glaring among women, children, elders and indigenous peoples which varies in the midst of armed conflict (i.e., Marawi Crisis) and natural disaster (i.e., TY Yolanda / TY Haiyan).

approach to help children, adolescents, adults, and families in the immediate aftermath of disaster and terrorism.

PFA is designed to reduce the initial distress caused by traumatic events and to foster short and long-term adaptive functioning and coping (World Health Organization, 2019). This activity is one of the highlights of the regular endeavors of the institute, the NFSTI Lecture Series. It is anchored on commemoration of Women's Month this March 2019. In general, this empowers women and those weak members of our society.

Psychological First Aid (PFA) is an evidence-informed modular



Director NFSTI PCOL FROILAN P ELOPRE gives his opening remarks mentioning that psychological issues and concerns are not new in the Philippine National Police (PNP); uniformed officers have also been undergoing reconstitution of one-selves when exposed and experienced duty missions or events that have impacts not only on their physical beings but most importantly of their psyches when faced crises and solving crimes. He even trivialized to identify those belonging to most countries that have the highest numbers of people who commit suicide, these are "Lithuania" and "South Korea".



Dr. Rodel P. Canlas of UST Psychotrauma Clinic delivers his lecture on "State of Mental Health in the Philippines", and how it varies in the midst of natural disaster and armed conflict.



## MEN OPPOSED TO VIOLENCE AGAINST WOMEN

The National Forensic Science Training Institute conducted a one-day Orientation/Lecture on "Men Opposed to Violence Every, where (MOVE)" on June 7, 2019 at the NFSTI Multi-Purpose Hall with PLTCOL FRANDE G ECHALUCE, Assistant Chief, PCRD, PRO 5 and Secretary, MOVR-PNP Chapter as our resource speaker. It was attended by members of PS CRIDEC 2019-01 Alpha and Bravo as well as NFSTI Staff.

The Lecture was highlighted with a pledge by all male attendees not to commit, condone or remain about any form of gender-based violence.

Move has been organized in the PNP since 2010 because violation against women is a violation of human rights perpetrated even by some uniformed

personnel of the police organization itself against their own partners. Move further strengthened the implementation of two landmark legislations, namely: RA 9208 (Elimination of Trafficking in Person Act of 2003) and RA 9262 (Anti-VAWC Act of 2004).

The topics discussed were informative, interesting, motivating, and reflective of the current GAD situation in the country, particularly on VAWC, while the guest lecturer had a commendable skill in communication and the ability to enhance the awareness of participants.



# Answering the Call for Change and Good Governance: 4Ps+1

By: **PLTGEN RICARDO F. DE LEON (Ret.) Ph.D.**  
President, PPSC

The moniker 4Ps has been known by many as the government initiative, "Pantawid Pamilyang Pilipino Program."

However, inspired by this quote from President Rodrigo Roa Duterte, "*Love of country, subordination of personal interests to the common good, concern and care for the helpless and the impoverished – these are among the lost and faded values that we seek to recover and revitalize as we commence our journey towards a better Philippines.*" The said acronym is given a whole new meaning with an additional feature that shall serve as a guide for law enforcers and public servants. It is in this notion that the **4Ps + 1** is born.

The application of the **4Ps + 1** is needed more than ever with the proliferation of front organizations by Communist Terrorist Groups (CTGs) and in support to the implementation of Executive Order No. 70 or the creation of the National Task Force to End Local Communist Armed Conflict (NTF-ELCAC).

The first P It stands for **Patriotism** which is the greatest among the other Ps. Choosing to be in the uniform service entails a love for the country. If not, as civil servants, you would need to reexamine yourselves why you chose to be a part of the government service. Particularly, as members of the Philippine National Police (PNP), your sworn mandate is to serve and protect the Filipino people and your loyalty should be on the country and its best interest.

Second, is **Passion**. It means having a strong belief in what you are doing that despite the obstacles and without being told to do so, you continue to carry on your mission. It is a vocation. In your career, there may be moments that will change your world and will change you.

## Open your heart

The Nine Principles of Policing of Sir Robert Peel underscores that the police should understand their environment and bring the police closer to the community. To serve and protect not only became the police's mandate but the phrase became an extension of the law enforcers' identity. In one of his principles, it is even specified that "*Police, at all times, should maintain a relationship with the public that gives reality to the historic tradition that the police are the public and the public are the police; the police being only members of the public who are paid to give full-time attention to duties which are incumbent on every citizen in the interests of community welfare and existence.*"

In my experience in the uniformed service, this notion was capitalized through in my experience in the uniformed service, this notion was capitalized through initiatives such as "KUYA" or "Kusang Umakasyon, walang Yabang, Alerto sa Pagtulong" implemented during my days in the National Capital Region Police Office (NCRPO), and "KASUROG" which stands for "Kaiba an Sosyodad, Sa Pag-Uswang Asin, Reforma kan Organisadong Grupo."

**Nourish your experience gives experience.** From experience alone can quality come." This concept reinforces the need to adjust and adapt in an environment. Likewise, it also allows for someone to perform extraordinary feats to make a difference.

Take for example the mastery of artists and painters such as Leonardo da Vinci, Michaelangelo,

But let these instances make you smarter, stronger, and kinder. Do not let it make you someone you are not. Do not let it deter your desire for service.

Third is being **Pro-people**. This characteristic puts emphasis on having empathy for your people whom we are bound to serve and protect. As John Luther puts it, "*Natural talent, intelligence, a wonderful education, none of these guarantees success. Something else is needed: the sensitivity to understand what other people want and the willingness to give it to them.*" This is reflective of the President's initiative of putting up Malasakit Centers nationwide which continues to render assistance particularly health care services to those in need.

Likewise, the Department of the Interior and Local Government (DILG) under the leadership of the Secretary for Interior and Local Government Eduardo M. Año, spearheads the government's efforts under the brand of *tatak ng malasakit at pagkakaisa* delivering services that ensures not only the safety but also the general welfare of the public.

The last P is for **Professionalism**. This is being skilled and equipped with the proper knowledge in handling various cases particularly in public safety and security. The Philippine Public Safety College (PPSC), as the institution in charge of the training of police, fire, and jail personnel is trying to provide its students quality education and service further heeding the call of the Secretary for the Interior and Local Government Eduardo M. Año to continue professionalizing the education and training of public safety and security officers.

It is high time that we change our mindset and perspective if we are to successfully answer the President's call to action. More than ever, we need more officers who possess leadership qualities and are equipped with the proper

and Rembrandt, among others. They devoted countless hours practicing and honing their craft in order to become worthy of being called masters. Same should also be done by those in the field. Every operation, mission, and order, no matter how mundane contributes to the enhancement of skills among law enforcers.

## Generate hope and rebuild lives

The old saying says that "*the view is better at the top.*" But they seem to forget that in order to reach a higher peak, one must go down first before making their way back again. This is called as the "backward-forward approach." This principle is notable if we are to reach the global maxima from the current perspective of being in the local level.

This is the challenge now. In answering President Duterte's call for change and good governance, everyone should be willing to act and follow through in their efforts. As the old adage goes one should "*walk the talk.*" Be the one to take the initiative and motivate your men into taking action. In the words of General Colin Powell, "*The most important thing I learned is that soldiers watch what their leaders do. You can give them classes and lecture them forever, but it is your personal example they will follow.*"

Bear in mind and be guided of the government's AmBisyon Nation 2040 wherein it is stated, "*kailangan natin ng isang matatag at maginhawang pamayanan.*" Everyone has a role to play in the realization of this goal. Even the smallest action and change can produce results that can lead to a great improvement among the community. As William Haslitt once said,

knowledge to deal with the various challenges our country is facing. This is where the **+ 1** inspired by President Rodrigo Roa Duterte (PRRD) comes in. It is a *virus* that should be contracted by everyone. This is the **PRRD or DIGONG VIRUS** which stands for:

## Do random acts of goodness

The world we live in operates on an open dynamic system wherein even the smallest thing can affect even the greatest aspects of a situation. For example, the rise or fall of an insect population in a certain area can alter an entire ecosystem. By doing good, you are creating ripples of influence among others and in turn, they can pay it forward.

According to Sun Tzu, "*The victorious first win and then engage the battle. Losers engage the battle then see to win.*" Having small victories is just as important as winning the war.

## Improve on the best practices and put idea into action

Robert Kiyosaki posited, "*Putting ideas into action will require resources. So, we're back to your intelligence, also known as your skills.*" If that is the case, the only way to improve on one's skills is to invest on the education particularly of the youth.

This brings to mind one of the best practices of the PPSC, the Adopt-a-Scholar initiative. Through their savings while under schooling at the College, they are voluntarily supporting and putting family members through school.

## Give and share more

Children are often taught that it is better to give than to receive. This holds true even later in life especially if you have been blessed with the capability to contribute more. But keep in mind that in giving, you should not expect anything in return. In the words of Winston Churchill, "*We make a living by what we get, but we make a life by what we give.*"

"*Great thoughts reduced to practice become great acts.*" experience alone can quality come." This concept reinforces the need to adjust and adapt in an environment. Likewise, it also allows for someone to perform extraordinary feats to make a difference.

Take for example the mastery of artists and painters such as Leonardo da Vinci, Michaelangelo, and Rembrandt, among others. They devoted countless hours practicing and honing their craft in order to become worthy of being called masters. Same should also be done by those in the field. Every operation, mission, and order, no matter how mundane contributes to the enhancement of skills among law enforcers.

## Generate hope and rebuild lives

In 2001, during the Tour de France, Lance Armstrong and Jan Ullrich had a very close race. Despite being shoulder-to-shoulder for majority of the competition, one would expect that any one of them would capitalize on any opportunity to get ahead. But when Ullrich fell down, Armstrong slowed down and waited end for him to get so they can start the race together.

This reminded me of an experience I had when I was a cadet at the Philippine Military Academy (PMA) in 1967. As a cross country runner, I was pitted against national athlete and Olympian Benjamin Silva-Netto. There was no way I could have won that contest but Silva-Netto gave me a fighting chance as he slowed his pace while climbing the Cavalry Hill and even waited for me before whispering that he will go ahead in the race after reaching the chapel and from that highest point is a run downhill. What he did generated hope in me that allowed me to give the best in my performance. Do the same for others.

# CRIDEC SPORTS AND SKILLS OLYMPICS 2019



On April 23, 2019, the CRIDEC and Skills Olympics 2019 opened, with four teams eager to compete, and therefore, show their prowess in different sports events. Rev. Fr. Umijun H. Binueza, SDB Admin, Don Bosco College graced the event as celebrant of thanks giving mass at about 6:30 AM, prior to the welcome Remarks of NFSTI Chief, Administrative Jove N Usana.

Naturally, PMAJ MARY SHIELA G ATIENZA Commandant, NFSTI declared the start of the Sport and skills Olympics while ENSP Sotero M Ola Jr. Class Marcher, PS IDC 2019-01 Alpha, administered the Oath of Sports and Skills Olympics 2019. PMAJ MARY SHIELA G ATIENZA introduced the Guest of Honor and Speaker to be followed by the Message of Guest of Honor and Speaker Jetterson Flogio Vidal, MPBL Player, Basilan Steel. To quote his message, "Honored po ako to be invited as Guest Speaker in this memorable occasion. Pagpasensyahan nyo na po, sanay po akong maglaro, pero first time ko pong magsalita sa harap ng maraming tao. Gayunpaman, I am delighted to learn, that you, respected men in uniform, have organized this kind of activity.

Katulad po ng basketball career, ang inyong tinatahak na landas ay puno ng challenge. Ngunit kung gusto nating maabot an gating pangarap, hindi tayo titigil. Maaaring ang pangarap ko ay ang maging professional na basketball player. At ang pangarap po ninyo ay ang makapagsilbi sa bayan. Magkaiba... ngunit pareho po ng ingredient upang magtagumpay. Ang walang humpay na training sa araw-araw at pagod sa bawa't game... yan ang aking puhunan upang gumaling sa aking larangan. Samantalang sa inyo, ay araw-araw na training at ang pagsabak sa inyo mga sinumpaang tungkulin.

To all of you present today, I truly appreciate your invitation for me to be part of this momentous activity. Your initiative to ensure a safe fit community is worthy of praise!

Maraming salamat po sa inyo!"

The Sports and Skills Olympics of PS IDC 2018-02, PS IDC 2019-01 Alpha and Bravo was marked with inclement weather but the heavy rains neither dampened the spirit of CRIDEC Classes Alpha to Charlie. The event was highlighted by the Cheerdance Competition that entertained even the Guest of Honor and Speaker JETTERSON FLOGIO VIDAL, MPBL Player, Basilan Steel. The motley of colors led to a Mardi Gras like atmosphere.



ENS Sotero M Ola Jr, PCG. led the Oath of Sportsmanship



*"Sports build good habits, Confidence, and discipline. They make players into community leaders and teach them how to strive for a goal, handle mistakes, and cherish growth opportunities".*

*Julie Foudy*



# Mr. and Ms. CRIDEC 2019

## “Coronation Night”



(Center) Miss CRIDEC- PSSg Margaret T Panaga, Mr. CRIDEC– PSSg Mike Jason A Omañada, (Center to Left) Miss CRIDEC 1st runner-up– PSSg Rosemarie A Bahiwal, Mr. CRIDEC 1st runner-up—PCpl June Paolo C Apellido (Center to Right) Mr. CRIDEC 2nd runner-up PSSg Ronald V Gamayon, Miss CRIDEC 2nd runner-up—PCpl Diana May F Macam.

## Digital Forensic Analysis and Investigation

Last April 13-15, 2019 at pages Hall, Teacher’s Camp, Baguio City. The seminar /workshop are the 1st part of Two Parts Training Workshop Series on Digital Forensic Analysis and Investigation. The 1st part was composed of 2 modules, Module 1 Cybercrime Law of the Philippines and Module 2 Basic Digital Forensic Analysis using Forensic Tool Kit. A total of 22 participants attended the workshop.



Day 1, April 13, 2019 the first day was started in discussion about the overview of Digital Forensic and Investigation and the need of digital forensics nowadays. The topic was discussed by Dennis S. Lagumen who underwent an extensive training on Digital Forensic Analysis and Investigation hosted y Department of justice US Embassy in Manila under the supervision of Ovie L. Carol Director, Cybercrime Laboratory, Computer Crime and Intellectual Property Section, US Department of Justice.

Day 2, April 14, 2019. The whole day is all about Cyber Crime Law of 2022 or Republic Act 10175. The lecture was presented by the Mr. Felix Z. Camariñ Jr. the Technical Advisor, Office of Overseas Prosecutorial Development Assistance and Training (OPDAT), US Department of Justice, US Embassy. They train the Office of the Ombudsman, investigators and prosecutors on cyber investigations and digital evidence. On his lecture, he presented the core information needed by the participants specifically those working in the academe and training He simply defined the Act as law which aims to address legal issues concerning online interactions and the Internet in the Philippines.

Day 3, April 15, 2019 The hands-on workshop started when Mr. Dennis Lagumen gave the participates the real case. The participants were grouped into 5 for free flowing discussion. The facts of the case were all scrutinized by the participants within or outside the cyber crime law. After the discussion, the forensic tool kits were installed to each of computer so te participants have a feel on the actual conducted of forensic investigation. After all the procedures, each team were given a chance to present their findings, elements of the crime, procedures made and the offenses charge tot eh offender. Critiquing was made after group presentation.

# Improving Scientific Research and Writing Skills with Focus on Writing a Publishable Literature Review

Last April 21 – 24, 2019 at Dao Diamond Hotel, Tagbilaran City, Bohol. The seminar/ workshop is essentially addressing the one critical determinant of a publishable research article which is the way it is written and packaged. Some fledgling researchers, and even the seasoned ones, tend to have some difficulties in these areas which preclude them from writing a scholarly research report. The workshop is designed for interested academics deans, research directors, government affiliates and other research professionals who wish to write a publishable literature review. A total of 28 participants attended the workshop from all parts of the Philippines.



The seminar workshop was organized by the Association of Scholarly Editor in cooperation with the Philippine Association of Institutions for Research Incorporated. Dr. Ismael N. Talili, DALC is the resource person of the workshop. On his first topic, he discussed the importance of literature in the conduct of research. Literature review discusses published information in a particular subject area, and sometimes information in a particular subject area within a certain time period. The resource person discussed the purpose of review of related literature: 1. It identifies the knowledge gap to be addressed by research question; 2. Positions the research within the existing research; 3. Locates the work of other key researchers in the field; and 4. Justifies and rationalizes the research question and conceptual framework. However, it is a sad truth that related literature, often unread by thesis panels, sometimes comprehensive or sometimes inadequate are left unpublished.

Dr. Talili, has informed the participants that there are common sources of literature - it can be from print sources like previous reports, proceedings, journals, books, text books and abstracts. With the widespread usage of internet, literature can be from online sources in the likes of Google, Google scholar, Elsevier journals, Springer journals and other open sources like Mendeley database, DOAJ, PubMed Central, Researchgate, and Academia, among others. Basically, review of related literature is used for title defense proposal but the sad truth is it was not scrutinized during proposal defenses.

On electronic sources, the speaker informed the participants that it is acceptable to use 100% of references from the internet provided it was legitimate and was cited for more than 5 times. A Google scholar is a very good source of electronic sources. Dr. Talili, showed the number of cites a particular article has. Likewise, referencing using different format and styles were also presented. The participants appreciate the demonstration as it eased the tedious referencing. Equally, presentation of different websites on how to check grammar, plagiarism, identification of active authors has been presented during the discussion. Everybody in the conference appreciates the different tools. It is acceptable that a 10% plagiarism rate as it is impossible that there will be no single word duplicated when doing the review of literature. Contrary, the resource speaker reiterated that still the policy of the university prevails when it comes to the number of reference of the literature. There were universities who required their research paper to have 20 references from printed materials among others.

In writing a review of related literature, important points will be considered. It must be from scientific sources. Sources should be accessible and traceable online. Use materials published 5 years backward and cited by at least 5 authors. A good literature review must have selection, criticism and interpretation.

Moving forward, Dr. Talili shared some of his personal experience in doing review of related literature. According to him, he is a bit upset when a research panel with Physical Education and Music Major are sitting and scrutinizing a paper for Biology. He suggested that when getting a panelist, ensure that the specialization of the panelist will be aligned to the research work defended.

After the important notes were given and the tools are being utilized online, the resource speaker required the participants to prepare a publishable review of related literature coming from 200 sources and with 6500 words. The output will be presented on the following day and he expected that all participants will stay late in the evening. The output will be subjected to the critiquing and plagiarism test. Dr. Talili, presented a tool that will analyze the level of English writing. The tool is called the gunning index which will determine if the writing is for elementary, secondary or professional level.

On the following day, only representative from the National Forensic Science Training Institute presented the output. It was well applauded by the participants as the plagiarism rate is only 6%. The topic is about cyber crime and the resource speaker is looking forward that it will be published in one of the international journal.

# MOCK TRIAL



The PS IDC 2018-02 Alpha and Bravo and PS TIC 2018-02 Alpha SNAG ACID TEST. From Case Presentation to the actual conduct of Mock Trial is the most challenging phase students face in the CRIDEC course. The presence of RTC Judge MARILOU R TAMANG, together with her entourage of Clerk of Court and her assistant is enough to cause jitters to the graduating class, especially to those whose names would be picked to face the stand for cross examination. NFSTI also gets the service of Fiscal MAGNO DE-LOS SANTOS as Prosecutor and Atty. MANUEL SATUITO as Defense Lawyer making the activity and actual case based scenario, a foretaste for prospective and real life crime investigator.

## BREAST CANCER: Beware! Be aware!

### INKDROPS

By: **Maria Carla G Felipe, RN.**  
NFSTI, Students Nurse



The Philippines has the highest incidence rate of breast cancer in Asia. In fact, it is among the Top 10 countries with the most cases of breast cancer. According to Geneva-based WHO 1 out of 4 women who are diagnosed with breast cancer die within the first 5 years. What is alarming is that women are at risk with approximately 70% of breast cancer occurring in women without risk factors. And the number continue to rise at an alarming rate.

What is BREAST CANCER? It refers to a malignant tumor that has developed from cells in the breast. The cancer results from mutations or abnormal changes in the genes responsible for regulating the growth of cells and keeping them healthy. It usually either begins in the milk-producing glands or the ducts, the passages that drain milk to the nipple. Over time these cancer cells can invade nearby tissue and to other parts of the body. The stages of breast cancer refer to how far the cancer cells have spread.

**What are the SIGNS and SYMPTOMS?**

First symptoms are usually an area of thickened tissue in the breast or armpit. Other symptoms include the following:

- A pain the armpits or breast that does not change with the monthly cycle.
- Pitting (like skin of an orange) or redness of the breast skin
- A rash around or on one of the nipples
- A discharge from the nipple, possibly containing blood
- A sunken or inverted nipple
- A change in the size or shape of the breast

How is it DIAGNOSED?

**Breast exam.** The doctor will examine both breast and lymph nodes in the armpits, feeling for any lumps and abnormalities.

**Mammogram.** It is an X-ray of the breasts.

**Biopsy of a removed sample breast cells.** It is a definitive way to make a diagnosis of breast cancer.

**Magnetic Resonance Imaging or MRI.** The MRI uses magnet and radio waves to create images of the breasts. The patient will receive an injection of a dye before an MRI.

**What are the RISK FACTORS?**

**Age.** The risk of developing cancer increases with age.

**Genetics.** If a close relative has had breast cancer the risk is higher. Women who carry the BRCA1 and BRCA2 genes as well as TP53 genes carries have a higher risk. Both genes can be inherited.

**A history of breast cancer or breast lumps.** Being exposed to estrogen for a longer period of time due to starting period earlier before age 12 and entering menopause later than average. Breastfeeding over a year reduces the chance of developing cancer as pregnancy followed by breastfeeding reduces exposure to estrogen.

**Estrogen exposure and breast feeding.** Being exposed to estrogen for a longer period of time due to starting period earlier before age 12 and entering menopause later than average. Breastfeeding over a year reduces the chance of develop-

ing cancer as pregnancy followed by breastfeeding reduces exposure to estrogen.

**Having first child at an older age.** Women who have birth to her first child after age 30 may have an increase risk.

**Alcohol consumption and smoking.** Women who drink alcohol more than the regular consumption and smoke more than average a higher risk.

**Hormone treatments.** The use of birth control pills has been linked to breast cancer due to increased levels of estrogen.

**What are the PREVENTIONS?**

- Ask a doctor about breast cancer screening.
- Exercise
- Maintain a healthy weight.
- Choose a healthy diet. Women should consume more fruits and vegetables and should avoid consumption of red meat, processed foods, and food high in fats.

