

# CPST

Quarterly



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## CPSC-UNEVOC SPECIAL INTERNATIONAL PROGRAM ON IMPROVING QUALITY OF TEACHER TRAINING AND LEARNING THROUGH ICT



December 5-9 2016



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- CPSC-UNEVOC Special International Program
- ICPs Bangladesh, Bhutan, Nepal & Thailand
- Overseas CPs for Indonesia in Korea and India
- 2nd AAA Meeting in Malaysia
- International TVET Conference Pakistan
- APACC On-Site Visit in Malaysia

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COLOMBO PLAN STAFF COLLEGE (CPSC)  
Manila, Philippines

## CPSC... Producing World-Class Knowledge Workers 40 Years and Beyond

The CPSC Quarterly is being produced to serve as a medium for convergence and exchange of Technical and Vocational, Education and Training (TVET) ideas, information, events and updates on national and regional efforts as well as innovating strategies for Human Resources Development (HRD) across Asia and the Pacific. It serves to strengthen collaborative relationships among professionals and developers, institutional partners, affiliates and networks, alumni and future clients in the transnational community of CPSC.

The CPSC Quarterly – herald of the center of excellence for Human Resources Development in Asia and the Pacific Region...

The CPSC Quarterly- harbinger of TVET news, keeping member countries vitally connected to HRD development and unifying them to pursue excellence towards global progress.

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Dear Readers,

It had been indeed a busy quarter with significant achievements along the way since my assumption to office.

I am delighted to share with you through this issue, the successful conduct this quarter of a collaborative program on Special International Program with one of CPSC's strong allies UNESCO-UNEVOC. The program convened 20 countries from Asia, Europe and Africa which included Cambodia, Indonesia, Iran and Vietnam and experts from Madagascar and Nigeria apart from CPSC member countries. As we intend to spread our wings and widen our reach, this event was able to bring CPSC program to countries other than the member countries and to other parts of the world. I am very pleased to have worked again with former CPSC Director General Dr. Shyamal Majumdar, now Head of UNEVOC. CPSC thanks his team for this successful collaboration.

Three overseas training events under the Customized program were arranged for former member countries Indonesia and Iran this quarter. Two of these programs were held at PuKyong National University (PKNU), Korea in coordination with another former Director General Dr. Man-Gon Park, currently Head Professor of PKNU. We are elated to have worked with another former head of CPSC. We hope to coordinate with Korea again moreso while we are pursuing the country to be an active part of the family once more.

One of the said overseas Customized programs was held this time in India, a first in arranging income-generating courses. We hope to hold such kinds of programs in many other countries with our current and even with inactive member countries.

For the period, we organized our first-ever program on Technopreneurial Skills Development held in Thailand. We are thankful for the full cooperation of Thailand as we look forward for more of this program offering to our stakeholders. Our appreciation also goes to our counterparts in Bhutan, Nepal and Bangladesh for the other successful In-Country programs organized with their solid support and teamwork.

The College is also thankful to organizations that invited us to various conferences and discussions held on TVET worldwide such as in Pakistan, Bangladesh, Germany and in France.

I am also glad to have worked with another former CPSC Director General Dr. Mohammad Naim Yaakub through the second APACC Accreditees Association (AAA) Meeting. Through joint efforts of Dr. Naim and the College, Malaysia had been a platform for AAA in starting to build grounds towards realizing the benefits of accreditation, one of them mobilization of TVET graduates in accredited institutions. We hope to be able to achieve this goal in the near future.

Indeed, it had been a fruitful and momentous beginning, marking my first four months as new Director General with innovative collaborative programs. As new Director General I am very pleased and honored to have been able to work with my predecessors as mentioned, Dr. Majumdar, Dr. Park and Dr. Naim, along with all former faculty members whom I have worked with through the recent CPSC programs.

All of your continued contributions, strong support and unwavering commitment to the objectives of the College inspire me more to do better and dream higher for the fulfillment of CPSC's vision. Together we will make it happen.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Ramhari Lamichhane'.

**Ramhari Lamichhane Ph.D.**  
Director General

# Royal Thai Ambassador Presides Standing Committee Meeting

The Standing Committee convened a meeting at the CPSC Conference Room, Manila on November 21, 2016. The meeting was chaired by the Governing Board Vice Chairperson H.E. Thanatip Upatising, Royal Thai Ambassador in Manila and attended by members Mrs. Shahnaz Gazi, Minister and Deputy Chief of Mission of the Embassy of the Peoples' Republic of Bangladesh in Manila, Dr. Ramhari Lamichhane, CPSC Director General and Ms. Sirimon Atipatya, First Secretary of the Royal Thai Embassy, as an observer.

The Committee deliberated upon and disposed the following items of the agenda: 1) Study on the possible increase of CPSC Local Staff's Cost of Living Allowance (COLA); 2) Study on the possible increase of CPSC Membership Contribution; 3) Proposed changes on the Policy on the Composition of Panel of Advisers.

The decisions made by the Committee will be endorsed for further deliberations at the 102nd Governing Board Meeting scheduled on January 25, 2017.

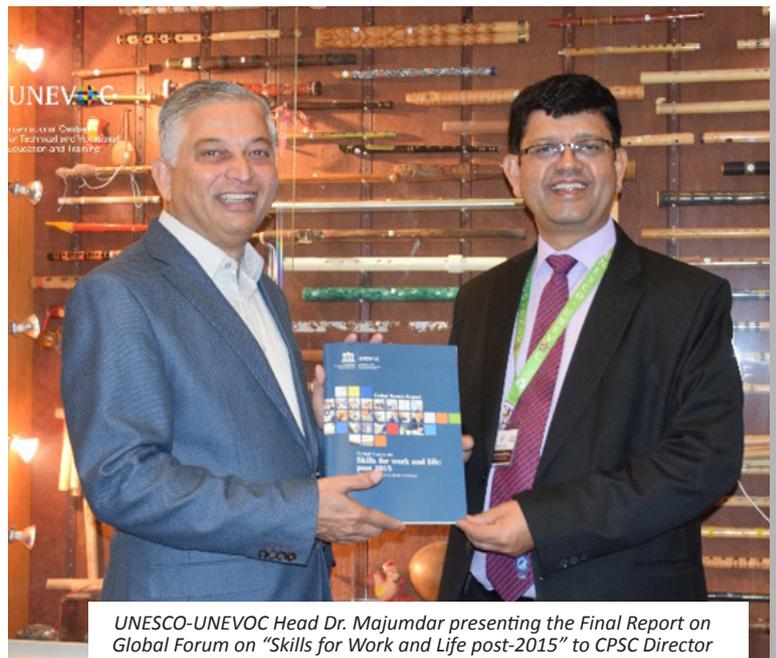


## NEWS

# Current, Former CPSC DGs Meet in UNEVOC

The Colombo Plan Staff College (CPSC) Director General Dr. Ramhari Lamichhane paid a courtesy call to the Head of UNESCO-UNEVOC Dr. Shyamal Majumdar, former CPSC Director General in Bonn, Germany on October 18, 2016. The current and former CPSC DGs talked over plans for the conduct of the CPSC and UNESCO-UNEVOC International Special Program held in Manila in December. They also shared insights on boosting the Staff College's visibility on a global scale. The visit also yielded a signed Memorandum of Agreement between CPSC and UNESCO-UNEVOC on the said special program.

Dr. Lamichhane also took the opportunity to mingle with various TVET experts and leaders from different parts of the world, who convened to participate in the TVET Leadership Programme organized by UNESCO-UNEVOC from October 17 to 28, 2016. He joined the program for one day and listened to recent developments in TVET policies and programs around the world. The program was aimed at producing transformative TVET leaders in effecting change in the sector.



UNESCO-UNEVOC Head Dr. Majumdar presenting the Final Report on Global Forum on "Skills for Work and Life post-2015" to CPSC Director General Dr. Ramhari Lamichhane

# CPSC Participates in the International TVET Conference in Pakistan



CPSC DG presents CPSC Plaque as Token of Appreciation to NAVTTC Executive Director Mr. Zulfiqar Cheema



Organizers and Speakers of the International TVET Conference Pakistan - 2016

In view of promoting TVET reforms in an international level, the National Vocational and Technical Training Commission (NAVTTC), in collaboration with the TVET Reform Support Programme, organized a two-day program, titled International TVET Conference 2016 held in Marriot Hotel, Islamabad, Pakistan from October 3 to 4, 2016.

The Conference, which was participated by CPSC Director General Dr. Ramhari Lamichhane and CPSC Faculty Consultant Prof. Dr. G. Kulanthaivel, aimed to gather TVET experts, leaders, senior executives and policy makers from different parts of the globe to share and learn from each other's experiences and best practices on various issues and concerns on TVET.

The Conference commenced on October 3, with the recitation of the Holy Quran. NAVTTC Executive Director Zulfiqar Cheema followed with his Welcome Address. The opening program was graced and addressed by the following guests: Islamabad Mayor Sheikh Ansar Aziz, an Eminent Industrialist, Ex-Minister A. Razaq Daud, a Development Partner, Ambassador

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## CPSC, IDEB Officials Meet in Dhaka to Discuss Opportunities for Future Collaboration

The Colombo Plan Staff College and the Institution of Diploma Engineers Bangladesh (IDEB) held a discussion meeting at IDEB Bhaban in Dhaka on December 13, 2016 to discuss possibilities for future collaborative engagements.

Representing CPSC was Dr. Ramhari Lamichhane, CPSC Director General and Prof. Dr. G. Kulanthaivel, CPSC Seconded Faculty Consultant. IDEB was represented by Engr. A.K.M.A Hamid, President, IDEB Central Executive Committee.

Mr. Md. Sohrab Hussain, Honorable Secretary of the Ministry of Education, was invited as chief guest for the meeting.

Other invited guests of honor included: Mr. Ashok Kumar Biswas, Additional Secretary and Director General of DTE; Mr. A.B.M Khorsed Alam, Additional Secretary and CEO of the National Skills Development Council (NSDC); Dr. Md. Mostafizur Rahman, Chairman of the Bangladesh Technical Education Board (BTEB); Mr. Md. Emran from Skills Training Enhancement Project (STEP) and Dr. Haripada Das, ILO Dhaka Program Officer.

The meeting drew up vital agreements and affirmations of support from IDEB, CPSC's honorary member organization since 2014. It also touched on ways how to address emerging challenges of skill shortages in the member countries, as well as the enhancement of TVET's role in accelerating economic growth and sustainable development.



IDEB and CPSC Officials in the Discussion Meeting Ceremony



Dr. Lamichhane (right, standing) delivers his speech of solidarity with the vision of IDEB during the meeting.

# CPSC Makes Global Presence, DG Joins UNESCO-CEDEFOP Global Skills Conference in Paris

Dr. Ramhari Lamichhane, CPSC Director General along with Projects and Consultancy Officer Ms. Adrienne Abril, participated in the joint UNESCO-CEDEFOP Global Skills Conference at Room IX, of the UNESCO Headquarters in Paris, France from October 20 -21, 2016.

Over 125 TVET experts, policy-makers, administrators and stakeholders coming from more than 50 countries and NGOs all over the world participated in the event. Carrying the theme, “Skills, Jobs and Sustainable Development: Global Trends and Local Challenges”, the conference was jointly organized by UNESCO Paris and the European Centre for Development of Vocational Training (CEDEFOP) as a platform to benchmark best practices in matching skills and labor demand to address challenges in labor market.

The conference was divided into five sessions, with additional 4 parallel sessions. Resource speakers shared their expertise on the following topics: Digitization of economies and the 4th industrial revolution; Global challenges, drivers of change and future skills needs; Skills and inequality; Making use of big data to enrich labor market intelligence; Making TVET responsive by strengthening skills governance for better education and training provision; Skills forecasting; and TVET qualifications in a global context.

The last session focused on the possibility of setting up a global partnership on skills anticipation and skills governance for TVET provision.

The conference concluded on the second day with closing remarks from UNESCO Section for Youth, Literacy and Skills Development Chief Mr. Borhene Chakroun and CEDEFOP Area Research and Policy Analysis Head Ms. Pascaline Descy.



Photo Courtesy of UNESCO-CEDEFOP Conference Website



Photo Courtesy of UNESCO-CEDEFOP Conference Website

CPSC Participates in the...continued from p. 4

of Germany to Pakistan H.E. Ina Lepel, and the Chief Guest, Minister for Federal Education and Professional Training Engr. M. Baligh ur Rehman.

Fourteen (14) key Speakers coming from China, Malaysia, Korea, Pakistan, Sri Lanka, Germany, United Kingdom and Australia delivered presentations on the following themes: (1) Regional Studies and Practices in TVET, (2) TVET Reforms in Pakistan, (3) Industry Engagement in TVET Sector, and (4) Best Practices in TVET on the first day of the conference.

Plenary discussions ensued the next day which focused on the following topics: (1) Role of Private Sector in TVET;

(2) Recognition of Prior Learning – Challenges and Way forward; (3) Apprenticeship and Youth Employability; (4) Quality Assurance in TVET; (5) Market Analysis, Job Placements and Entrepreneurship.

The participants visited the Construction Technology Training Institute (CTTI) in Islamabad at the second day of the conference.

Reports and Recommendations from the five panel groups were presented at the second day including the Special Paper presentations on the Regional Networking and Cooperation by UNESCO / UNEVOC and CPSC.

# Developing Ties

The new Director General, in his determined pursuit to reinvigorate linkages, revive ties and expand membership to CPSC, embarked on the following courtesy visits.

## EMBASSY OF AUSTRALIA, MANILA



November 8, 2016- Courtesy call to Her Excellency Ambassador Amanda Gorely and request for academic staff on a secondment basis.

## EMBASSY OF THE KINGDOM OF SAUDI ARABIA,



November 22, 2016-Courtesy call to His Excellency Ambassador Dr. Abdullah Bin Nasser Al Bussairy. The DG discussed the benefits of availing membership to CPSC and the possible impact of KSA to all member countries upon joining the College.

## EMBASSY OF THE REPUBLIC OF SOUTH KOREA, MANILA



November 23, 2016-Courtesy call to Mr. Jongho Kyun, Minister Counsellor for Economic Section. The DG expressed hope of rekindling ties with Korea based on the re-emergence of cooperation with organizations Pukyong National University (PKNU), GIFTS-HRD Korea and Korea Research Institute for Vocational Education and Training (KRIVET).

## THAILAND INTERNATIONAL COOPERATION AGENCY (TICA)



November 17, 2016- Courtesy visit to CPSC Liaison Officer for Thailand, TICA Director General Mrs. Suphatra Srimaitreephitak. TICA Deputy Director General Mr. Paisan Rupanichkij and other officers received the DG on her behalf.

## VISIT TO CPSC



October 13, 2016 – Assoc. Prof. Dr. Numyoot Songthanapitak, President, Rajamangala University of Technology – Lann.

## OFFICE OF THE VOCATIONAL EDUCATION COMMISSION (OVEC)



November 18, 2016- Met with OVEC Secretary General Dr. Suthep Chittayawong and other officers. The DG extended his appreciation to OVEC for the successful implementation of the In-Country Program held in Thailand.

# AMBASSADORS, INTERNATIONAL GUESTS GRACE CPSC'S 43<sup>RD</sup> ANNIVERSARY DINNER

The Colombo Plan Staff College celebrated 43 years of playing its unique and pivotal role of contributing to the progress of TVET through human resource development in Asia-Pacific region. A simple ceremony commemorating years of advocating TVET excellence was held on December 5, 2016 at CPSC, Manila, in time for a collaborative program with UNEVOC on Special International Program held in the country.

CPSC Governing Board Members and representatives namely, H.E. Kok Li Peng, Ambassador of the Republic of Singapore, H.E. Safdar Hayat, Ambassador of the Islamic Republic of Pakistan; Charge d' Affaires and Secretaries from the Embassies of Bangladesh, India, Malaysia, Myanmar, Saudi Arabia and Sri Lanka graced the anniversary event. Also present were representatives from the Asian Development Bank (ADB), National Institute for Technical Education and Skills Development (NITESD), Technical Education and Skills Development Authority (TESDA), Toyota Motors Philippines and the Technical Vocational Schools and Associations of the Philippines (TEVSAPHIL).

CPSC Director General Dr. Ramhari Lamichhane, in his opening remarks, affirmed CPSC's continued commitment towards the improvement of TVET in the region and urged the member countries to foster more initiatives to bolster communication and cooperation. He also briefly gave a statement about CPSC's progress through the years.

A message of support was conveyed by H.E. Li Peng. She assured that Singapore remains committed to the goals and aspirations of CPSC and urges the member countries to continue fostering good relationship with each other. She also encouraged CPSC member countries to tap Singaporean skills and experience in not only introducing TVET improvements but in changing society for the better.

Former CPSC DG Dr. Majumdar, currently, Head of UNESCO-UNEVOC, Germany, addressed the crowd and briefly shared his experience in the campus. He urged the attendees to continually strive for excellence in TVET and ensured his support to the initiatives of the member countries in their journey to further pursue TVET's improvement and accessibility.

Governing Board representative Mr. N. Ramakrishna, Charge d' Affaires, Embassy of the Republic of India and other guests such as Ms. Susan dela Rama, Executive Director, Certification Office, TESDA and Mr. Sungsup Ra, Asian Development Bank also extended their messages of solidarity for the College.

"Kontra GaPi (Kontemporaryong Gamelan Pilipino)", an ethnic music and dance ensemble of the University of the Philippines (UP), a top university in the country performed during the anniversary dinner. The group showcased Philippines' rich musical history through their dance performance and playing flutes and percussion instruments.



*H.E. Kok Li Peng, Ambassador of the Republic of Singapore and former GB Chair, expresses message of solidarity on CPSC's anniversary.*



*Current and Former CPSC DGs and Faculty cut anniversary cake (L-R): Dr. G. Kulanthaivel, Faculty; Dr. Ram Hari Lamichhane, CPSC Director General; former DG Dr. Shyamal Majumdar, Head, UNESCO-UNEVOC and Dr. Romulita Alto, Faculty*



# IN-COUNTRY PROGRAM BHUTAN TACKLES TVET PATHWAYS TO SUSTAINABLE DEVELOPMENT

The Kingdom of Bhutan is long considered as the paragon of sustainable development in the region. It is also known for its national economic policy that "Gross National Happiness is more important than Gross National Product" first enunciated by His Majesty of the Fourth King of Bhutan in the early 1970s. Working towards such aspiration Bhutan's development efforts has been consistently geared towards a holistic, inclusive and sustainable approach.



Bhutan supports the process of promoting a methodological and systemic approach to changing jobs and skill demands. It also helps TVET institutions develop their capacity to produce a workforce that matches evolving market requirements. Cognizant of these issues, the Colombo Plan Staff College (CPSC) designed and organized the In-Country Program on "TVET Pathways to Sustainable Development".

It is projected that through the In-Country Program on TVET for Sustainable Development, CPSC will further contribute to raising the awareness and provision of skills, values necessary to put sustainable development for TVET System into practice. This program aimed to provide resources, ideas, strategies, etc. to help those involved in the training and development to meet the learning needs of today and the future for achieving sustainable development.

Held from October 17 to 21, 2016 in Thimphu, Bhutan, the program trained 27 TVET professionals to identify appropriate approaches and techniques for TVET systems and outline the processes and tools to be used in achieving sustainable development. They were equipped with knowledge of developing appropriate strategies and framework to address TVET sustainability issues and integrate sustainable aspects in the curriculum and program of TVET. The program also encouraged the attendees to share awareness among their peers and

colleagues on the changing workplace requirements for green jobs and incorporate green TVET institution concept and green auditing in their own institutions. The participants came up with an action-based plan for TVET pathways to sustainable development.

The program was supervised by Dr. Ramhari Lamichhane, CPSC Director General and was coordinated by Prof. Pramod B. Shrestha, Ph.D, Former GB Faculty Consultant, CPSC, Manila and former Professor & Head of the Department of Mechanical Engineering, Institute of Engineering in Tribhuvan University, Kathmandu, Nepal.

Local arrangements were handled by Mr. Sangay Dorji, Chief Program Officer of the Department of Human Resources in the Ministry of Labor and Human Resources (MoLHR), Bhutan. Resource persons for the program included Mr. Tandin Dorji, Chief Program Officer, Quality Assurance Division (QAD), Department of Occupational Standard, MoLHR; and Mr. Karma Dorji, Sr. Program Officer, Technical and Professional Service Division of the Department of Human Resources, MoLHR.

Aside from classroom lectures, the program also included a study tour that showcased green industries currently in-place in the country. It also included some lectures on eco-tourism, green entrepreneurship and the development of a green curriculum.

# Promoting R&D Culture in Nepal's TVET Systems Tackled at CPSC's ICP

**T**he Colombo Plan Staff College (CPSC) and the Government of Nepal through the Council for Technical Education and Vocational Training organized an In-Country Program on Capacity Building in Research and Development in TVET. The program was held from October 24-28, 2016 at the Council for Technical Education and Vocational Training (CTEVT) in Kathmandu. A total of 40 trainers, administrators and TVET practitioners attended the program.



Program participants with the organizers during their visit at the Kathmandu University



The participants during the study visit

(L-R) Photo; Dr. Ramhari Lamichhane, CPSC Director General shares APACC information with the participants.; Prof. Dr. G. Kulanthaivel, CPSC Faculty Consultant and Program Resource Person provides lecture; Prof. Prahmod Shrestha, Program Resource Person during his presentation

The program was organized with the view that research and development is an investment in a company's or organization's future.

R&D capability helps TVET institutions in the formulation of policies and development practices to increase job prospects of TVET graduates and growth opportunities. It also helps TVET administrators and teachers in reviewing existing policies and institutional structure and arrangements. It allows TVET institutions to better assimilate knowledge and technology developed elsewhere.

The program aimed at enabling the participants to understand the need for R&D and comprehend the domains of research and development in the TVET system. The ICP was also designed to build the capacity of the participants in formulating research framework and instruments, writing research report and preparing a research proposal that will be applied to their respective projects or initiatives.

Dr. Ramhari Lamichhane, Director General of CPSC and Mr. Ramesh Kumar Bakhati, Acting Member Secretary of CTEVT supervised the overall management of the program. Prof. Dr. G. Kulanthaivel, CPSC Seconded Faculty Consultant and Mr. Tek Bahadur Malla, Director, Technical Division, CTEVT, coordinated the program preparations. They were assisted by Mr. Mohan Bahadur Karki, Senior Technical Officer of CTEVT. The five-day program was inaugurated by Mr. Dhaniram Paudel, Honorable Minister of Education of Nepal.

The program also included a trip to Kathmandu University, one of the premiere universities in the country and a model for R & D instruction.

A national seminar was also organized during the program titled "TVET Beyond 2015". The seminar opened areas for the deliberation of policy initiatives, strategies, work plans and practices in the direction of the country's TVET beyond the year 2015. The seminar was inaugurated by Dr. Kul Bahadur Basnet, Vice Chairperson, CTEVT on October 27, 2016.

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**A** five-day In-Country Program aimed to promote “technopreneurship” was organized by the Colombo Plan Staff College (CPSC) in Sakhon Nakhon, a city in Northeastern Thailand from November 14-18, 2016. Held at the P.C. Grand Palace Hotel, 49 College directors, administrators, teachers and education personnel involved in entrepreneurship studies in TVET participated in the program.

The program targeted to further the awareness of the participants on the relevance of technology entrepreneurship education today specially in TVET. The need to redirect a significant critical mass of TVET graduates from wage employment to technopreneurial careers in a developing country like Thailand was also among the objectives of the program. It was also hoped that through the program, the sharing of ideas will contribute to the body of knowledge on entrepreneurship in a different light, resulting in a change of mindset of the participants in this direction.

Themes tackled in the program included: (1) Concepts and definitions of Technopreneurship, (2) The anatomy and requirements of a Technopreneur, (3) relationship of creativity and technopreneurship and (4) the importance of “Technology Incubation Centers”. In addition to the classroom lectures, a panel discussion on identified successful entrepreneurs were convened to directly communicate the benefits of being a technopreneur to the participants. Technopreneurs who were invited to share their experiences were Mr. Weerachai Unsakol,

## ICP Thailand Aims to Promote Technopreneurial Skills Development



Guests and Officials from OVEC together with CPSC Director General Dr. Ram Hari Lamichhane (4L) and CPSC Faculty Consultant, Dr. Romulita Alto (6L)



Dr. Romulita Alto, CPSC Faculty Consultant presenting her lessons to the audience.



The participants during their lecture and their outdoor classroom activities in which they sampled some local products from technopreneurs.

The overall management of the program was supervised by Dr. Ramhari Lamichhane, Director General of CPSC and Dr. Suthep Chittayawong, Secretary General of the Office of the Vocational Education Commission (OVEC).

Program academic resources were provided by Prof. Romulita C. Alto, Ed.D, Faculty Consultant, CPSC as Program Coordinator and Resource Person. A lecture focusing on the Technology Incubation Centers was given by Mrs. Jerdrudee Chinvaroj, Director of OVEC’s Bureau of Vocational Education Standards & Qualification. Local expertise was provided by Dr. Paichit Kultarnwattana who discussed on the relationship of creativity and technopreneurship. Local coordination was made possible through the facilitation of Ms. Siriyupa Phurirak and Mr. Laksasak Yangsaman from the Bureau of Policy and Planning, OVEC.

Mr. Andy Schvenberger, Mr. Nattapol Puhpasit and Mrs. Jerdrudee Chinveroj.

In order to effectively incorporate the lessons of the program into actual practice, a discussion about the formulation of Action Plans were also included in the discussion, in addition to an actual visit to a winery farm and jam production that apply these concepts into practice.

Upon understanding technology entrepreneurship and the role of TVET in enhancing needed skills, the participants developed a draft checklist for self-assessment to determine one’s preparedness for such endeavor. The participants formulated an action plan intended to enable their TVET institution to enhance the current role of TVET in developing a culture of technopreneurship.



**ICP Nepal**



**ICP Thailand**



**ICP Thailand**



**ICP Bangladesh**

# IN-COUNTRY PROGRAMS

# CPSC ACT

# SPE PRO



**HINDRA  
DA**  
**ASHWIN ARUNES**  
**SP CPSC**

# CIN ION

## CIAL GRAM



-UNEVOC



CP for UIN, Indonesia



CP for IAIN, Indonesia



CP for IAIN, Indonesia



CP for UIN Raden Fatah,  
Indonesia

# CUSTOMIZED PROGRAMS

# CPSC Conducts Program on Industry-Academic Collaboration and Partnership in Bangladesh



CPSC and DTE Officials at the Program's Inaugural Ceremony

**T**he Colombo Plan Staff College (CPSC) facilitated a program focusing on the technicalities of industry-institution collaboration and partnership in Bangladesh at the Technical Teachers' Training College in Dhaka from December 11-15, 2016. The program, in partnership with the Madrasha Education Division of the Ministry of Education, was attended by 45 TVET academicians from all over the country.

The program pursued to instill to the participants general concepts and principles of Industry-Academic Linkage System. The lessons were designed to enable them to comprehend innovative models and approaches for Industry-Academic Linkage System. The open fora deliberated on the prospects and challenges of industry-institution linkages in the TVET sector of the country.

The program was supervised by Dr. Ramhari Lamichhane, CPSC Director General and Mr. Ashoke Kumar Biswas, the Additional Secretary of the Technical and Madrasha Education Division, Ministry of Education and also the Director General of the Directorate of Technical Education. Program Coordination was facilitated by Prof. Dr. G. Kulanthaivel, CPSC Seconded Faculty Consultant and Mr. A. N. M Salah Uddin Khan Director (PIW) Directorate of Technical Education (DTE).

Local expertise was delivered through the efforts of Mr. Abdur Rafique, National Professional Consultant of the ILO TVET Reform Project and also a former National Program Officer and Program Adviser of UNESCO in Dhaka. In addition, Engr. Md. Jahangir Alam, former CPSC Faculty Specialist, currently Assistant Director for Planning & Development in the Directorate of Technical

Education, also facilitated the classroom instruction as local Resource Person.

The program was opened on December 11, 2016 by several high officials and guests from the TVET and Higher Education sector of Bangladesh. Mr. Salah Uddin Khan from DTE delivered a welcome speech that highlighted the fruitful cooperation of the country and CPSC in capitalizing on efforts to enhance TVET delivery.

Mr. Md. Sohorab Hussain, Secretary of the Secondary and Higher Education Division, Ministry of Education, was the chief guest during the inauguration. In his speech, he affirmed the strong ties of CPSC and Bangladesh and wished for the organization's continued success in facing the realities in TVET. Mr. Md. Emran, Project Director of STEP, Bangladesh, in his speech highlighted the significance of the event to the country's TVET systems.

Themes discussed in the program included: (1) Building Industry-Academic Linkages in TVET System, (2) Innovative Models and Approaches in Industry Academic Linkages System, (3) Industry-Institution Linkages: Trends, Prospects and Challenges in TVET Sector and (4) Employment Market Demand and Supply of Workforce.

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Dr. Ramhari Lamichhane delivers his speech during the program



Dr. Kulanthaivel with the participants (left) and Mr. Abdur Rafique, local expert, listening to the participants' presentations

# CPSC, UNEVOC Gather 20 Countries for Special International Program on Improving Quality of Teacher Training and Learning through ICT

**T**he collaborative International Special Program on Capacity Building for TVET Teacher Trainers being organized by the Colombo Plan Staff College (CPSC), in collaboration with UNESCO-UNEVOC International Centre for TVET, Bonn, Germany commenced December 5, 2016. The program held until December 9, 2016 at CPSC, Manila, Philippines gathered 20 countries from the Asia Pacific region and from Africa.

The program which focused on learning through ICT and digital learning technologies is in line with UNESCO and CPSC's commitment to the global TVET drive towards educational transformation by improving teaching through digital technology. Specifically, the program aimed to continually tap into the potential of teacher training institutions to effectively design teacher training programs that consider pedagogies and technologies as synergetic components to promote quality in the delivery of TVET.



Twenty-five (25) TVET professionals from CPSC member and non-member countries joined the program. Member country representatives came from Afghanistan, Bangladesh, Bhutan, Fiji, India, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka and Thailand. Non-member country representatives from Cambodia, Indonesia, Iran and Vietnam also attended the program, while experts from Madagascar and Nigeria were invited to share their expertise and experiences in delivering quality TVET mechanisms in their own countries.

The program was designed to improve the competencies of TVET teacher trainers within the networks of TVET teacher training institutions of CPSC and UNESCO. It also targeted to further address competency gaps of teachers in identifying pedagogical approaches, technology-based resources, and build on existing capacities to strengthen their vocational pedagogy.

Overall supervision was facilitated by the heads of the collaborating institutions: Dr. Ramhari Lamichhane, CPSC Director General and Dr. Shyamal Majumdar, Head, UNESCO-UNEVOC International Centre for TVET. Assisting them in program coordination were Prof. Dr.



(L-R) Dr. Romulita Alto, CPSC Faculty Consultant, Dr. G. Kulanthaivel, CPSC Seconded Faculty Consultant, Dr. Ramhari Lamichhane, CPSC Director General, Mr. Brajesh Panth, Senior Education Specialist, ADB and Dr. Shyamal Majumdar Head, UNESCO-UNEVOC during the opening ceremony of the program.

G. Kulanthaivel, CPSC, Seconded Faculty Consultant and Mr. Aldrich Mejia, Program Assistant (Multimedia) and UNESCO-UNEVOC Network Coordinator (Caribbean Cluster). The program also invited resource persons coming from the UNESCO Regional Office in Bangkok, Thailand and the University of the East in Manila, Philippines.

Themes and lecture discussions centered on: (1) Inspiring Technology-Enabled Learning in TVET: Quality Context and Challenges; (2) Improving TVET Teacher

continued on p. 18

# CPSC-GIFTS-PKNU Joint Special Training Program on Institutional Finance, Asset Management Set Off for UIN, Indonesia



(seated, L-R fr. 7th) Dr. Ramhari Lamichhane, Dr. Man-Gon Park and Dr. G. Kulanthaivel with the officials from Universitas Islam Negeri (UIN), Indonesia

**C**PSG, in partnership with the Global Institute for Transferring Skills (GIFTS) and Pukyong National University (PKNU) in Korea, organized the CPSC-GIFTS-PKNU Joint Special Overseas Training Program on Institutional Finance and Asset Management for Officers of Universitas Islam Negeri (UIN), Indonesia. Dr. Man-Gon Park, former Director General of CPSC acted as Chief Program Coordinator in Korea along with Dr. G. Kulanthaivel, Coordinator to ensure the success of the program.

Thirty-five (35) participants attended the program in Incheon, Korea to further broaden their perspectives on current policies and practices in financial management. The training program was held from October 1 – 9, 2016 at GIFTS, Incheon, Republic of Korea. The one-week program covered different topics which included Introduction to Korean Economic Development and Korean Culture, Financial Costs and Benefits with Korean Experience and Framework for Financial Management to

name a few. The delegation also visited various places in Seoul as part of their cultural tour - Yonsei University Enterprise Support Foundation, Samsung D’light and KOEX.

CPSC Officials namely, Dr. Ram Hari Lamichhane, Director General and Prof. Dr. G. Kulanthaivel, Faculty Consultant, attended the training program to deliver lectures in Framework for Financial Management and ICT Applications & Financial Management – Information Systems.

The participants obtained practical knowledge and technology on Korean financial management systems which include policies, initiatives and programs and lessons from exemplary cases.

The training program ended on a positive note with appreciative remarks from the participants for the smooth conduct of the program by CPSC, GIFTS and PKNU.

Promoting Research...continued from p. 10

The directions for TVET set by Nepal is anchored on the results and recommendations of the Millennium Development Goals which specifically states the role of skills training in fully capitalizing sustainable development initiatives and strategies. The seminar also aims to elucidate different strategies and approaches towards sustainable development of TVET systems, identify and examine issues, challenges in integrating concepts of sustainable development in TVET.

Sixty (60) professionals and guests from CTEVT and various institutions in Nepal came to the event and learned from wide-ranging topics discussed in the seminar. Some of these topics were APACC accreditation, recognition of prior learning, sustainable development goals and its role in the Nepalese government’s policy framework,

public-private partnership and the integration of ICT in TVET.

Key speakers included: Dr. Lamichhane, Dr. Kul Bahadur Basnet, CTEVT Nepal Vice Chairperson, Dr. Hari Lamsal, Joint Secretary of the Ministry of Education, Nepal, Prof. Dr. Shrestha and Prof. Dr. G. Kulanthaivel.



The participants during the seminar

# CPSC, PKNU Conduct Joint Special Overseas Training Program for IAIN, Indonesia

**C**olombo Plan Staff College (CPSC), in collaboration with Pukyong National University, Korea conducted the CPSC-PKNU-IAIN Joint Special Overseas Training Program on Quality Assurance and Public Services Improvement for Higher Education. Thirty one (31) Officers of Institut Agama Islam Negeri (IAIN), National Institute of Islamic Studies, Indonesia participated in the program held at the Grand Hotel in Busan, Korea from December 10 to 16, 2016. The special overseas training program aimed to broaden the perspectives of the participants on current policies and practices in the quality assurance and public services improvement.

Dr. Ramhari Lamichhane, CPSC Director General, delivered a paper titled "Service Capability Building through Improvement of Individual Competencies and Teamwork". In his lecture, he discussed that quality improvement in TVET activities, projects, and programs portrays a crucial role in different TVET systems in order to produce highly employable and globally skilled workforce. Consistent commitment in quality improvement is also necessary to stay conforming to the satisfaction level of customers on a dynamic basis.

The program also included discussions and experience sharing through special lectures and visits to a university, an industry and some cultural places to obtain practical knowledge learn about Korean technology, university administration, management service systems and their culture.



CPSC Director General Dr. Ramhari Lamichhane (standing, 2nd from right) with Dr. Man Gon-Park of PKNU (standing, 2nd from left) and the delegation from IAIN, National Institute of Islamic Studies, Indonesia



Visit to ICT Academy

## UIN Raden Fatah, Indonesia Visits Indian Institutions on ICT in Education



Prof. Dr. G. Kulanthaivel (center) presenting tokens to Dr. Sudhindra Nath Panda

**T**he Colombo Plan Staff College (CPSC), in partnership with the National Institute of Technical Teachers Training & Research (NITTTR), Chennai, India, arranged a study visit program to Indian Institutions on ICT in Education, upon request of Universitas Islam Negeri (UIN) Raden Fatah Palembang, Indonesia. Seven (7) officials, headed by Prof. Dr. Izomidin, MA, the UIN Head of Project Implementing Unit, participated in the program which run from December 19 to 23, 2016.

The program was supervised by Prof. Dr. Sudhindra N. Panda, Director of NITTTR Chennai. Prof. Dr. G. Kulanthaivel, CPSC Faculty Consultant, served as Program Coordinator and Prof. Dr. S. Dhanapal, Professor and Head of Centre for Curriculum Development of NITTTR Chennai was the Local Coordinator.

In fulfillment of the objective of benchmarking for best educational practices in higher education management especially on ICT based learning, integrated ICT based services in Education and ICT Hardware for ICT based institutions, the participants visited the ICT Academy and NPTEL Web Studio at Indian Institute of Technology – Madras. Overall, the visits fulfilled the participants' expectations.

# APACC Welcomes Visit from San Francisco Institute of Science and Technology

The Asia Pacific Accreditation and Certification Commission (APACC) team welcomed on November 10, 2016, a delegation from the San Francisco Institute of Science and Technology (SFIST) located in Albay, Philippines. The team, headed by the Vocational Instruction Supervisor Mrs. Marietta Verchez, visited CPSC to submit their application form and supporting documents for APACC accreditation and to get better understanding about the APACC system.

A short meeting ensued headed by the Chairman for APACC Operations and CPSC Faculty Consultant, Prof. Dr. G. Kulanthaivel. He expressed his appreciation to SFIST for the visit and shared the latest developments in APACC, such as the establishment of the Association



of APACC Accreditees (AAA), and its upcoming second meeting in Malaysia on December 01, 2016. The Projects and Consultancy Division Officer Ms. Adrienne Abril discussed the recent changes in the APACC system including fees structure and the certificate categories and duration.

CPSC Conducts Program...continued from p. 15

To supplement the lessons generated by program, CPSC also organized a National Seminar with the theme "TVET Beyond 2015: Trends and Perspectives" at the same venue on December 14, 2016, attended by 78 participants. The said seminar elucidated different strategies and approaches towards sustainable development of TVET systems. It also tackled and identified the issues, challenges in integrating concepts of sustainability in TVET. Key speakers such as Dr. Lamichhane, Mr. Abdur Rafique, National Professional Consultant of the ILO TVET Reform Project, Bangladesh, Mr. Shafquat Haider, Chairman of ISC-IT and Director, FBCI Bangladesh and Prof. Dr. Kulanthaivel shared their insights and expertise on various aspects of academic-industry collaboration.

Other than public-private partnership issues in industry and TVET, the speakers tackled topics such as APACC Accreditation, Sustainable Development Goals, Public-Private Partnership in Sustainable Development and Strengthening TVET through ICT.

Through the program CPSC aspires to contribute to the raising of awareness and provision of skills and values necessary to put industry-academic linkage system for TVET into practice particularly in emerging economies such as Bangladesh.

CPSC, UNEVOC...continued from p. 15

Competencies in Technology-Pedagogy integration; (3) Strengthening TVET Systems through the Use of ICTs; (4) Instructional Design using Technology; (5) Open Education Resources: UNEVOC Centre's Experiences; (6) TVET Teacher Training Approaches in Africa using Blended Learning; (7) Technological Pedagogical and Content Knowledge (TPACK) and Active Learning; (8) Content Knowledge - Making Sense of Content; (9) Pedagogical Content Knowledge - Active Learning Strategies and (10) Technological Pedagogical Content Knowledge - Selecting ICT Resources.

Dr. Lamichhane, in his welcome remarks, affirmed CPSC's commitment to contribute to the trend towards a TVET that is responsive to technological advancements. He also cited some of the technologies that CPSC has adopted in order to become a more effective TVET training institution. In affirmation to Dr. Lamichhane's speech, Dr. Majumdar also outlined the challenges faced by the world in terms of TVET quality improvement and reiterated UNESCO's commitment in providing resources, expertise and ideas to bring together organizations and persons to collectively address this emerging challenge.

Delivering his keynote address as program Chief Guest, Mr. Brajesh Panth, Senior Education Specialist from the Asian Development Bank (ADB) highlighted the need to address the mismatch between the industry and the world of work and what TVET needs to address. He reflected on the different initiatives embarked by ADB and its partner organizations in bringing about some notable improvements in the delivery of TVET using the latest technology. Furthermore, he encouraged the attendees to contribute in enhancing their own TVET systems by applying the lessons shared by the program to their own schools.

The CPSC's 43rd anniversary was celebrated through a special dinner held December 5 as part of the Welcome event for the program participants. A visit to the Informatics Campus-Manila, one of the IT-oriented institutions in the country was arranged for the program on December 9.

# APACC Conducts Onsite Visit to Politeknik Port Dickson, Malaysia

**P**oliteknik Port Dickson (PPD), located at Negeri Sembilan, Malaysia submitted itself to Asia Pacific Accreditation and Certification Commission (APACC) accreditation from November 28 to 30, 2016. The 3-day on-site visit was led by Prof. Dr. G. Kulanthaivel, PPD On-Site Visit Team Leader and Chairman for APACC Operations and Dr. Romulita Alto, PPD On-Site Visit Team Member and CPSC Faculty Consultant, supported by Ms. Adrienne Abril, PCD/APACC Officer. The APACC President, Dr. Ramhari Lamichhane, was also in attendance to supervise the accreditation proceedings.

The onsite visit aimed to verify if PPD meets APACC's standards based on the seven (7) APACC Criteria – Governance and Management; Teaching and Learning; Faculty and Staff, Research and Development; Extension, Consultancy and Linkages; Resources and Support to Students

The polytechnic is situated in a sprawling location in Negeri Sembilan, one of Malaysia's thirteen states, which lies on the western coast of Peninsular Malaysia, just south of the capital Kuala Lumpur. The polytechnic envisions to be a towering TVET institution globally. Its mission is to produce quality, holistic and well-balanced

TVET graduates with entrepreneurship skills in order to fulfill the needs of the nation, to develop and sustain smart partnerships with relevant parties locally and internationally, and to benefit society through education, research and innovation. PPD offers diploma courses such as its niche area Architecture and Civil Engineering, to name a few.

During the Opening Program, Mejar (K) Tn. Hj. Mohd Kharir Bin Mohd Ibrahim, Director of PPD warmly welcomed the APACC Team to the institution. The Special Remarks and activity schedule was presented by Dr. Kulanthaivel followed by the Keynote Address of Dr. Lamichhane.

A tour to various areas of the institution and interviews with criterion members ensued after the Opening Program. At the exit meeting on November 30, Dr. Kulanthaivel presented the highlights of the on-site visit, including the qualitative results detailing the commendations (demonstrated strengths), affirmations (healthy practices being adopted), and recommendations (suggested measures to address areas for improvement).

Results of the on-site visit activity was communicated to PPD after the deliberation of the APACC Board.



(L-R) PCD/APACC Officer Ms. Adrienne Abril, PPD On-Site Visit Team Leader Prof. Dr. G. Kulanthaivel, PPD Director Mejar (K) Tn. Hj. Mohd Kharir Bin Mohd Ibrahim, APACC President Dr. Ramhari Lamichhane, PPD On-Site Visit Team Member Dr. Romulita Alto, PPD Deputy Director (Academic) Puan Yusma bt Yusof, and PPD Deputy Director (Academic Support) En. Mohd Asri b. Sarbun in front of the Hajjah Kundur Heritage House, a project of PPD



APACC President Dr. Lamichhane inaugurates the Architecture Gallery of the Polytechnic



APACC President Dr. Lamichhane inaugurates the Architecture Gallery of the Polytechnic



# Second APACC Accreditees Association (AAA) Meeting Held in Malaysia

In pursuit of realizing the benefits of accreditation, the Asia Pacific Accreditation and Certification Commission (APACC) and the Association of APACC Accreditees (AAA) headed on for its second meeting in Malaysia on December 1, 2016. The meeting was a follow-up assembly since its first meeting and establishment as a team of APACC accredittees in 2015. This year's meeting was held at Politeknik Port Dickson (PPD), Negeri Sembilan.



Heads and representatives of APACC accredited institutions from Malaysia, Mongolia, and the Philippines, as well as representatives from India and Thailand attended the event mainly to exchange information on potential collaborations, discuss and finalize the AAA Charter, and select the first Chairperson and members of the Board of Directors. The APACC President, Dr. Ramhari Lamichhane, chaired the meeting while the Board was being set up.

On November 30, a day prior to the meeting proper, attendees outside of Malaysia were toured around the campus of PPD to learn best practices of the institution and to view their facilities.

Prof. Dr. G. Kulanthaivel, Chairperson for APACC Operations welcomed all the attendees of the meeting. He briefly reported what transpired during the first AAA meeting and expressed APACC's gratitude to Politeknik Port Dickson for the assistance in hosting and conducting logistical preparations.

Former APACC President, Dr. Mohammad Naim Yaakub, currently Director of Professional Excellence Division, Department of Polytechnic Education (DPE), Malaysia stressed the importance of APACC as it is an embodiment of quality assurance in practice at the international level. He mentioned that the AAA will complete the loop of network of accredited institutions, paving the way for visible

international collaborations among TVET institutions in the Asia Pacific, similar to the ASEAN Universities Network (AUN) being practiced among universities in the ASEAN region for the last 20 years or so.

The Keynote Address presented by Dr. Ram Hari Lamichhane, APACC President, focused on the objectives of the meeting which was to finalize the AAA Charter and to share how each country or institution could collaborate with other APACC accredited institutions towards regional mobility through staff and student exchange, sharing of learning resources, and other means.

The Director General of both the Department of Polytechnic Education and Department of Community College Education of DPE Y. Bhg. Dato' Amir bin Md Noor, introduced his presentation by way of providing the challenges and issues in TVET at present, which are uncoordinated governance, fragmented TVET delivery, lack of recognition for technologists, and competency gaps among instructors. He hoped that the AAA will strengthen international collaboration, facilitate international mobility amongst lecturers and graduates, and promote and share best practices.

Mejar (K) Dato' Hj. Md. Nor Bin Yusof, Director of Politeknik Ungku Omar (Malaysia) was elected as the

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## CPSC DG, ICT Chair, Officer Attend Adobe Seminar



(L-R) Prof. Dr. G. Kulanthaivel, CPSC Faculty, Dr. Ramhari Lamichhane, CPSC Director General, Mr. Tony Katsabaris, Managing Director, Public Sector, Asia Pacific, Adobe and Ms. Bel Ryes-Roxas from GetCre8ive during the seminar.

**With the rapid change of devices and massive technology shifts that enable us to be more connected than before, digital transformation is having an enormous impact to education and government. How institutions engage and interact, be it students, parents, faculty or staff.**

Adobe being one of the leading multimedia software company steps up to a challenge of the constant evolving digital landscape, thus came up with a solution on how to transform the government and educational institutions to offer services in a cost – effective, efficient, secured and most customer focused ways. This opportunity is also a challenge in that the said institutions has many options to deliver customer experiences, such as forms, documents, signatures, websites, apps and publication in digital format.

CPSC Director General, Dr. Ramhari Lamichhane, together with Prof. Dr. G. Kulanthaivel, ICT Chairperson and Mr. Felix Sibal, ICT Officer took part in a seminar/training conducted by Adobe. The seminar titled Transforming Government to Deliver Efficient and Engaging Digital Experiences was held at Conrad Manila Hotel on November 9, 2016. The seminar focused on (a) improving business process and productivity by digitizing the student lifecycle management, (b) enhancing student, alumni, parent and staff engagement through compelling mobile experiences, (c) delivering meaningful digital experiences for teaching and learning (d) optimizing licensing procurement process and delivering great value and, (e) improving business process and efficiency with a paperless office.

The seminar proved to be beneficial to CPSC with a view of optimizing newly gained knowledge particularly on delivering meaningful digital experiences for teaching and learning experiences that may be applicable to CPSC training programs.

## Two ICT Staff Members Avail of Training Opportunities

**In fulfillment of its continued effort to hone staff's skills and competence, CPSC has given an opportunity to selected staff members to develop their skills to boost their qualifications and encourage their effectiveness in their assigned jobs.**

Mr. Joshua Dela Cruz, CPSC's IT Technical and Development Staff, availed of a training opportunity conducted by Hewlett-Packard Enterprise (HPE). The Training on HPE Technology Update was held last October 18, 2016 at the Dusit Thani Hotel in Makati Philippines. On the said event, Macrologic, in partnership with HPE, apprised the participants with the latest technology that it offered through an instructive and engaging event. Highlights of the event included a rundown of the advantages and upgrades incorporated into HPE Synergy, HPE Arcsight, as well as HPE Aruba.

Updates from HPE Synergy were discussed by Mr. Robin Uy from the HPE Synergy team. He stressed that Synergy's value stems from its unique innovations that allow for compose-



able infrastructure. This makes it more efficient for end-users at inexpensive costs.

Discussions regarding updates on the HPE Arcsight were spearheaded by Mr. Paulo Hidalgo from MSI-ECS Digital Philippines. He shared that Arcsight is an advanced analytics platform which specializes in security and data protection. He also briefed the attendees on how Arcsight analyzes and mitigates threats before it spirals into large-scale losses for companies.

Mr. Migz Fernandez, also from MSI-ECS, talked about HPE Aruba. He elaborated on how HPE acquired Aruba, and then discussed its compatibility with the growing idea of a mobile workplace.

continued on p. 23

## Congratulations!

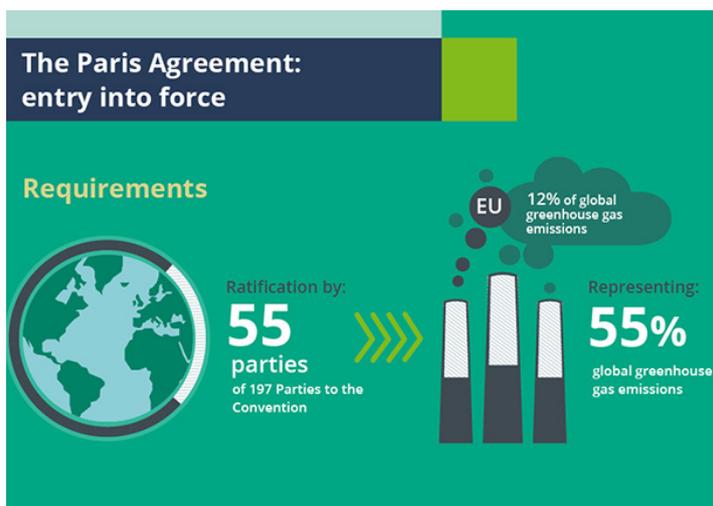
CPSC congratulates Prof. Dr. Suresh K. Dhameja, former CPSC GB-Engaged Faculty Consultant for his appointment as Dean of Academics and International Affairs at the National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh, India. Prof. Dr. S. K. Dhameja served the College from 2005 to 2008.

*CPSC wishes all the best for Prof. Dr. Dhameja's career.*





# The Paris Climate Change Agreement<sup>1</sup>



Source: <https://unfccc.int/resource/docs/2015/cop21/eng/I09r01.pdf>

The Paris Agreement (French: Accord de Paris) is an agreement within the United Nations Framework Convention on Climate Change (UNFCCC) dealing with greenhouse gases emissions mitigation, adaptation and finance starting in the year 2020. The language of the agreement was negotiated by representatives of 195 countries at the 21st Conference of the Parties of the UNFCCC in Paris and adopted by consensus on 12 December 2015. It was opened for

signature on 22 April 2016 (Earth Day) at a ceremony in New York. [5] As of December 2016, 194 UNFCCC members have signed the treaty, 125 of which have ratified it. After several European Union states ratified the agreement in October 2016, there were enough countries that had ratified the agreement that produce enough of the world's greenhouse gases for the agreement to enter into force. The agreement went into effect on 4 November 2016.

## CPCSC Countries who are Parties and Signatories for this Climate Change Conference<sup>2</sup>

Country	%age of Greenhouse Gases Emissions	Date of Signature of the Agreement	Date of deposit of documents of ratification or accession	Date when agreement comes into force
Afghanistan	0.05%	April 22, 2016	Not yet	Not yet
Bangladesh	0.27%	April 22, 2016	September 21, 2016	November 4, 2016
Bhutan	0.00%	April 22, 2016	Not yet	Not yet
Fiji	0.01%	April 22, 2016	April 22, 2016	November 4, 2016
India	4.10%	April 22, 2016	October 2, 2016	November 4, 2016
Malaysia	0.52%	April 22, 2016	November 16, 2016	December 16, 2016
Maldives	0.00%	April 22, 2016	April 22, 2016	November 4, 2016
Mongolia	0.05%	April 22, 2016	September 21, 2016	November 4, 2016
Myanmar	0.10%	April 22, 2016	Not yet	Not yet
Nepal	0.07%	April 22, 2016	October 5, 2016	November 4, 2016
Pakistan	0.43%	April 22, 2016	November 10, 2016	December 10, 2016
Papua New Guinea	0.01%	April 22, 2016	September 21, 2016	November 4, 2016
Philippines	0.34%	April 22, 2016	Not Yet	Not Yet
Singapore	0.13%	April 22, 2016	September 21, 2016	November 4, 2016
Sri Lanka	0.05%	April 22, 2016	April 22, 2016	November 4, 2016
Thailand	0.64%	April 22, 2016	September 21, 2016	November 4, 2016

The Paris Agreement's central aim is to "strengthen the global response to the threat of climate change by keeping a global temperature rise this century well below 2 degrees Celsius above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5 degrees Celsius." This would mean a reduction of carbon emissions imposed to all countries by at least 20% of current consumption. It also aims for the increase in the proportion of renewable energy in the country's energy mix.

The Agreement also requires all parties to put forward their best efforts through "nationally determined contributions" (NDCs) and to strengthen these efforts in the years ahead. This includes

requirements that all signatories should regularly report their emissions and on their implementation efforts to the commission to efficiently monitor their targets.

Additionally, the agreement also puts forward the ability of the most climate vulnerable countries to face the reality of climate change. Thus, financial support in terms of subsidies, adoption of new technology and awareness building was also put into place.

Source: [https://treaties.un.org/pages/ViewDetails.aspx?src=TREATY&mtdsg\\_no=XXVII-7-d&chapter=27&clang=en](https://treaties.un.org/pages/ViewDetails.aspx?src=TREATY&mtdsg_no=XXVII-7-d&chapter=27&clang=en)  
<https://unfccc.int/resource/docs/2015/cop21/eng/I09r01.pdf>

I would like to take this time to thank Prof. Shyamal and his team, DG Dr. Lamichhane, Prof. Kulanthaivel and CPSC team for such a motivating and enriching training.



It was a privilege to be among the UNEVOC-CPSC team and I felt so proud to be a participant. Also big thank you to the organizing committee Prof. GK and his team for the wonderful hospitality and of course the taste of Philippine food.

Not forgetting all my friends from various countries, you were wonderful. It was a pleasure to meet you all and within that short time we spent together, it seems like a family bond. All of you are so educated and experienced but have been so humble and helpful. There was so much to learn from all of you.

**Mr. Ashwin Arunesh**

Chand  
Head of Campus  
Technical College of Fiji, Nausori Campus  
Ministry of Education

Thank you for your appreciation and giving me this platform to share what I have learned with my fellow citizen on very interesting topic. Also I am grateful for bringing this interesting topic on “TVET Pathways for Sustainable Development” which is timely in our context.



I am always indebt to CPSC for building my capacity through various In-Country programs since 2011 and building my capacity in the TVET field. It's my great pleasure to be part of CPSC and working with CPSC. I look forward to work with CPSC in future and learn more on TVET.

**Mr. Karma Dorji**

Senior Program Officer  
Technical and Professional Service Division  
Department of Human Resources  
Ministry of Labour and Human Resources  
Thimphu, Bhutan

I came to CPSC and left enriched academically and otherwise. It was indeed a work of intense training but it is very fruitful. May I say that in behalf of the group, I appreciate this golden opportunity to be at CPSC. I would like to thank the organizers of the Capacity-Building Workshop, Dr. Ramhari and the UNESCO-UNEVOC head, Prof. Shyamal Majumdar, for this initiative to bring us together and empower us, TVET teachers, around the world. We are forever grateful to you and the entire CPSC staff for their hospitality and may God bless you all richly in Jesus name.



**Dr. Chiyoke Jonathan Olelewe**

Lecturer II/Assistant Research Fellow  
Department of Computer and Robotics Education  
University of Nigeria Nsukka

I had a very rewarding, full-term professional internship experience in this multi-cultural working environment. It has been fruitful and beneficial. This once-in-a-lifetime opportunity enabled me to go beyond a purely academic experience. It opened doors to many opportunities and enabled me to establish new networks while having varied lifelong friends from different backgrounds and cultures. I am forever grateful to CPSC and PIPIE.



**Rebecca Gegantoni**

CPSC Professional Intern  
November 2015-November 2016

Two ICT Staff...continued from p. 21

Through the said event, Mr. Dela Cruz learned about updated products catered by Hewlett Packard (HP) which may someday be helpful in boosting the organization's ICT capability and knowledge.

On the other hand, Ms. Zarina Ann Villahermosa, CPSC's web developer, attended a training on Personal Home Page (PHP) and MySQL Programming. This was organized by the Computer Networking Career and Training Center Inc. and was held last August 8-12, 2016.

The training program was a course to provide the knowledge necessary to design and develop dynamic, data-base driven web pages. It aims to have their learners discover how to connect a MySQL database and perform hands-on practice creating database driven HTML forms and reports. The training also enabled the participants to develop PHP Scripts that perform decision making and looping tasks, know how to interact with the database and work with XML data.

Ms. Villahermosa gained updated knowledge on designing and developing web pages that she could apply in enhancing and maintaining CPSC sites and online courses.

Second APACC...continued from p.20

first Chairperson of the AAA Board of Directors. The Board members are the following: Mejar (K) Hj. Noor Azahan Bin Othman, Director, Politeknik Kota Bharu (Malaysia); Tajuddin Bin Abdul Rashid, Director, Politeknik Sultan Salahuddin Abdul Aziz Shah (Malaysia); Prof. Baramsai Baasanjav, Director, Institute of Technology (Mongolia); Dr. Alvin L. Yturralde, Vocational School Administrator I, Concepcion Vocational School (Philippines), and Ms. Maria Clara B. Ignacio, Center Chief, TESDA Women's Center (Philippines). Representatives from other member countries such as Bangladesh, India, Pakistan, and Thailand may fill up the remaining three (3) vacant slots of nine (9) slots once an active/accredited APACC institution are already available in these countries.

The members discussed and provided their inputs to finalize the AAA Charter. Presentations from AAA members on ways and means of collaboration with other APACC accredited institutions ensued. Most of the members agree to cooperate through faculty and student exchange, sharing of curricula and other learning resources, and joint conduct of seminars and conferences.

It was followed by the presentation of Pn. Noor Aidi Nadzri, Head of TVET Special Projects, DPE and Malaysia National Coordinator for Accreditation and Pn. Noaryanti Mohd Noor, Senior Assistant Director, DPE. In their presentations, they shared the online instrument for internal audit process for APACC accreditation which they themselves develop.

The meeting ended with aspirations for a fruitful collaboration between and among APACC accredited institutions and to later flourish as an association that will foster regional mobility



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