

CPST

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Planning Prosperity To

REGIONAL PROGRAM ON SUSTAINABLE SKILLS AND EMPLOYABILITY

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The CPSC Quarterly- the official news magazine of the
COLOMBO PLAN STAFF COLLEGE (CPSC)
Manila, Philippines

The CPSC Quarterly serves 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,

We look back on the April to June 2019 as another busy yet productive period for CPSC as it implements various TVET programs to address different challenges that it has been facing in the region.

The last three months of fiscal year 2018-2019 saw the successful implementation of in-country programs in Bhutan, Nepal, Bangladesh and Sri Lanka on relevant TVET issues such as accreditation, youth employability, industry-institution linkages and technopreneurship, respectively. A total of 152 participants from these four countries directly benefitted from CPSC's expertise through interactive exercises and real-life exposure to practical cases through numerous industry visits. In addition, a national seminar related to these themes are organized in lieu in order to fully communicate the benefits of the training programs to more participants especially from the host institutions.

Notably, CPSC also spearheaded major regional programs in its headquarters in the Philippines, Singapore and China on Sustainable Skills and Employability, TVET Capacity Building and Green Economy, respectively. These programs are organized in cooperation with CPSC's relevant partners, in particular the Philippine Association of Colleges and Universities of Industrial Technology (PACUIT), Ministry of Foreign Affairs (MFA), Singapore and the Zhejiang Technical Institute of Economics (ZJITE); that have placed their continuous trust to our capability to bring together TEVT practitioners from 16 member countries to tackle common challenges in TVET. Overall, these programs brought together 50 TVET experts, instructors and administrators and has generated relevant networks and commitments to address the identified issues in a multi-sectoral approach.

We have also made efforts to go beyond our usual program offerings by organizing a customized program to members of the banking and finance industry in Nepal. In addition, we have also invited several Nepalese TVET teachers to develop their skills in developing qualification systems and competency standards for five weeks in Manila. We have also organized study visits to Bhutanese officials to Australia and Malaysia. These customized programs demonstrate CPSC's flexibility and expertise to bring together stakeholders to hone their expertise and link with relevant persons for the advancement of their respective organizational and personal development.

Due to the growing demand and increasing expectations of the member countries to CPSC, we have expanded our team of professionals by granting a faculty consultant post to a faculty from India, as well as young professional interns from Thailand and China. We have also organized several staff development programs in the form of practical training and workshops to ensure that our staff members will be more competent and capable of providing service to the organizations and also to you, our dear stakeholders.

Please feel free to browse through the pages of this quarterly to be fully informed of the different developments, activities and initiatives that CPSC has developed from April to June 2019.

It is through these efforts that we try to remain as transparent and committed to serve common interests for the development of TVET in the region. We continue to carry the torch of excellence in TVET that CPSC has proudly passed through different generations of TVET educators through the years.

Sincerely,

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

Ramhari Lamichhane, PhD

Director General

On June 10, 2019, the Colombo Plan Staff College (CPSC) Governing Board (GB) met for its 107th session at the CPSC Headquarters in Manila, Philippines. In addition to the adoption of the agenda, adoption of the minutes of the 106th GB Meeting held on January 31, 2019, and summary of actions taken based on board decisions and business arising, the Board took up three agenda items as follows: (1) Annual Report for FY 2018-2019, (2) Report of the Standing Committee on the Proposed Operational Plan and Budget for FY2019-2020, and (3) the Turnover of the CPSC Governing Board Chairpersonship and Vice Chairpersonship.

GOVERNING BOARD HOLDS ITS 107TH SESSION, APPROVES CPSC O-PLAN AND BUDGET FOR FY2019-2020

The Chairperson of the CPSC GB / Ambassador of Bangladesh, H.E. Asad Alam Siam, called the meeting to order. It was attended by the Ambassadors of India, Myanmar, Pakistan, Papua New Guinea, Singapore and Sri Lanka; Director General of CPSC; representatives from the Embassies of Malaysia, Papua New Guinea and Sri Lanka; and representatives from the Office of the United Nations and other International Organizations, Department of Foreign Affairs and Technical Education and Skills Development Authority (TESDA).

The Board welcomed its new members from the Embassies of Papua New Guinea and Singapore, and from TESDA, before going through the agenda items. The session continued with the preliminary items and proceeded to first agenda i.e. the presentation of the Annual Report FY2018-2019. The Director General reported that CPSC made a number of milestones this fiscal year after getting the ISO 9001:2015

certification and being on track to achieve its targets on the Operational Plan.

Subsequently, the Chairperson invited the Vice Chairperson and the Director General to present the Report of the Standing Committee on the Operational Plan and Budget for FY 2019-2020. After the presentation, the Director General went on to provide the highlights of the meeting. Following the Board's approval on the Operational Plan and Budget, the meeting carried on to the Turnover Ceremony of the Chairpersonship and Vice Chairpersonship. The outgoing Chairperson, H.E. Asad Alam Siam gave his Valedictory Address and took the opportunity to extend his appreciation to all the members of the Governing Board and the Secretariat. Meanwhile, the incoming Chairperson, H.E. Jaideep Mazumdar and incoming Vice Chairperson, who was represented by Mrs. Sharifah Ezneeda Wafa Syed Mohd Zulkarnain Wafa, both delivered their acceptance speech and pledged to support CPSC in the best of their capacities.



107th GBM Members and Representatives (L-R): Mrs. Sharifah Ezneeda Wafa Syed Mohd Zulkarnain Wafa, Minister-Counsellor, Embassy of Malaysia; H.E. Win Naing, Ambassador of the Republic of the Union of Myanmar; H.E. Betty Palaso, Ambassador of the Independent State of Papua New Guinea; Dr. Ramhari Lamichhane, Director General, CPSC; H.E. Dr. Aman Rashid, Ambassador of the Islamic Republic of Pakistan; H.E. Asad Alam Siam, Ambassador of People's Republic of Bangladesh and GB Chairperson; H.E. Jaideep Mazumdar, Ambassador of the Republic of India and GB Vice Chairperson; Ms. Gladys Rosales, Deputy Director General for TESD Operations, Technical Education and Skills Development Authority (TESDA) Philippines; H.E. Aruni Ranaraja, Ambassador of Democratic Socialist Republic of Sri Lanka; H.E. Gerard Ho Wei Hong, Ambassador of the Republic of Singapore; Mrs. K.G.T.P. Dissanayake; Minister of the Mission, Embassy of the Democratic Socialist Republic of Sri Lanka; Mr. Wendell Gaa, Desk Assistant, United Nations and other International Organizations Office, Department of Foreign Affairs (DFA), Philippines; Mr. Nawi Bokuik; First Secretary (Consul), Embassy of the Independent State of Papua New Guinea

CPSC WELCOMES NEW MEMBERS OF THE GOVERNING BOARD

CPSC conveys its warmest appreciations to the newest members of its governing board who recently took their respective posts as representatives of their respective countries to the Philippines.

H.E. George Ho Wei Hong, Ambassador of the Republic of Singapore to the Philippines



Mr Gerard Ho Wei Hong was appointed as Singapore's Ambassador to Manila by the Ministry of Foreign Affairs on March 18, 2019.

He obtained a Bachelor of Arts in History from the National University of Singapore in 1997. He subsequently obtained a Master of Arts Degree from Columbia University, New York, in 2009. He joined the Singapore Foreign Service in May 1997 as a Country Officer in the International Organizations Directorate. His first overseas posting was as First Secretary in Singapore's Permanent Mission to the United Nations from April 2000 to August 2003. He was subsequently appointed First Secretary (Political) in Singapore's High Commission to Kuala Lumpur from January 2004 to July 2007. Upon his return to Ministry Headquarters, he served as a Deputy Director in the International Organizations Directorate from August 2007 to August 2008, and then in the Southeast Asia Directorate from June 2009 to September 2009. He was later appointed as Deputy Chief of Mission in Singapore's Embassy in Jakarta from February 2010 to December 2014. Prior to taking up his current appointment, he served as Director-General of the ASEAN Directorate in the Ministry of Foreign Affairs, Singapore from January 2015 to February 2019.

H.E. Vasin Ruangprateepsaeng, Ambassador of the Kingdom of Thailand to the Philippines



Mr. Vasin Ruangprateepsaeng was appointed as Thailand's Ambassador to Manila by the Royal Thai Embassy on November 18, 2018.

He obtained his Bachelor of Political Science, Major in International Relations at Chulalongkorn University and Master of Arts in International Relations and Diplomacy in Thammasat University. He joined the Ministry of Foreign Affairs as an Attaché in the Europe Division of the Department of Political Affairs in 1984. He served as an Attaché and Secretary in the Royal Thai Embassy in Beijing from 1988 to 1992. He was also designated some key positions in various Thai consulates in China, as well as other government positions in the Ministry of Foreign Affairs. Prior to his assignment in the Philippines, his recent assignments were in Canberra, Australia as the Minister of the Royal Thai Embassy from 2012-2016 and in Guangzhou, China as the Consul-General of the Royal Thai Embassy from 2016-2018.

H.E. Betty Palaso, Ambassador of the Independent State of Papua New Guinea to the Philippines



Ms. Betty Palaso was appointed as Papua New Guinea's Ambassador to Manila on March 19, 2019.

Prior to her assignment, she served as the Commissioner General of the Internal Revenue Commission from February 2007 until September 2018. During her stint in the commission, she introduced reforms in their country's revenue generation and tax collection. She was also previously assigned to Papua New Guinea's Department of Treasury as a graduate economist and she has a broad experience in the field of treasury and fund management.



CPSC INVITES MEMBER COUNTRY REPRESENTATIVES FOR THE REGIONAL PROGRAM ON **SUSTAINABLE SKILLS** AND **EMPLOYABILITY** THROUGH TVET

A total of 22 participants were in CPSC's headquarters in Manila from April 22-26, 2019 to attend the Regional Program on Sustainable Skills and Employability through TVET. TVET officers from Bangladesh, Bhutan, Fiji, Malaysia, Myanmar, Nepal, Pakistan, Papua New Guinea, Philippines, Sri Lanka and Thailand were represented in the program. In addition, representatives from CPSC's honorary members such as the Institute for Diploma Engineers Bangladesh (IDEB) and Diploma Engineers Association of Nepal (Nepal) were present.

A notable guest of the program is the Minister of State, Ministry of Education of the Republic of Maldives, Mr. Mohamed Hashim. He is attending on his capacity to represent Maldives in this forum.

The regional program was organized for the participants to be able to promote the Greening TVET concept in their own countries. The lectures and visits were designed for them to be able to appraise strategies and identify the tools and techniques in integrating sustainability aspect into Greening TVET in Philippines. Through this program, they were also able to design suitable approaches and models incorporating the concept of greening of TVET Institutions, green TVET Curriculum, green auditing and green productions and consumptions.



Member Country Representatives in the CPSC-PACUIT International Conference held from April 24-25, 2019.



Participants during classroom sessions and activities



Study Visit to the UP Diliman Task Force on Solid Waste Management

Supervising the program is the CPSC Director General, Dr. Ramhari Lamichhane and facilitating the local coordination is one of CPSC's faculty consultants, Ms. Therese Tan Lee. CPSC's Officer for Research, Publications and Information, Mr. Rae Emmanuel Echaveria, also shared his knowledge on greening TVET as a resource person.

The program was opened on April 22, 2019 in an opening ceremony involving all the delegates and CPSC's faculty and staff. In his opening speech, Dr. Ramhari welcomed all the participants to Manila and recognized the relevance of the program in contributing to raising the awareness and relevance of green TVET in the member countries.

Classroom sessions focused on topics such as integrating green concepts in TVET Curricula, greening TVET through sustainable development and strengthening TVET for sustainability through greening practices. Study visits to facilities such as the UP Diliman Task Force on Solid Waste Management, Tuloy sa Don Bosco Alabang, TESDA Green Technology Center and TESDA Women's Center were embarked to further incorporate green TVET concepts with actual institutional practices.

The participants were also invited to participate in the 17th annual conference and 3rd international conference of the Philippine Association of Colleges and Universities of Industrial Technology (PACUIT). This year's conference was entitled "Leading the 21st century Generation Towards a Globalized Industrial Technology" and was held at the Ciudad Christia Resort in San Mateo, Rizal Province on April 24-25, 2019.

The event invited the Director General, Dr. Ramhari Lamichhane and CPSC Faculty Specialist, Mr. Abdul Ghani Rajput, to speak on topics regarding education for sustainability and industrial revolution 4.0. In addition, a panel on practices for green TVET on sustainable development was included in the program in which representatives from Fiji, Pakistan, Malaysia and Bhutan were able to discuss their country-specific cases on greening TVET to a wider audience.

Overall, the program demonstrated CPSC's expertise in its green TVET advocacy and reflected its long-standing partnership with PACUIT in strengthening opportunities for program collaboration.

REGIONAL PROGRAM IN CHINA TRAINS TVET TEACHERS ON GREEN SKILLS AND NEW ECONOMY FOR SUSTAINABLE DEVELOPMENT



Dr. Ramhari Lamichhane with the officials from ZJTIE during the opening program

The twelve-day program aims to impart the understanding of e-commerce and green skills to help participants design plans to embed in their respective TVET systems. It aims to advance the awareness of the participants on the relevance of e-commerce education and greening TVET today and to realize the need to redirect a significant critical mass of TVET graduates from wage employment to sustainable entrepreneurial careers.

The program was made possible through the efforts of CPSC, led by the Director General, Dr. Ramhari Lamichhane; and ZJTIE, represented by the Vice President of ZJTIE, Prof. Huang Chunlin and the Project Director of the External Affairs Office & International Education Center, Mr. Tony Zheng.

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For two years in a row, the Colombo Plan Staff College and the Zhejiang Technical Institute of Economics (ZJTIE) successfully organized a regional program in the city of Hangzhou from April 29-May 10, 2019.

The program involved the participation of twelve TVET teachers, instructors and staff from the following countries: Bangladesh, Fiji, India, Malaysia, Maldives, Myanmar, Nepal, Pakistan, Papua New Guinea, Philippines, Sri Lanka and Thailand.

The program was organized in realization with the need to further expose the participants from CPSC member countries with best practices from China, particularly on the field of Greening TVET and e-commerce, which are needed in addressing emerging labor and skill issues in this era.



A participant gets some instruction with a crafts teacher from ZJTIE



Participants in their national costumes with the officials from CPSC and ZJTIE.

Bhutanese TVET Officials Oriented by CPSC on the Role of Accreditation in Achieving Quality-Assured TVET Programs

Through the years, the Royal Government of Bhutan has made considerable progress towards setting up of a modern TVET and recognized its significance as one of the strategies to facilitate socio-economic growth and accorded priority. Part of this plan is to upgrade the quality and capacity of TVET schools all over the country. For this year, it tapped the Colombo Plan Staff College to aid them in this endeavor.

From April 1 until April 5, 2019, a total of 30 trainers, managers, and TVET regulatory authorities from TTIs, as well as private training providers, relevant officials from the Ministry of Labor and Human Resources (MoLHR), and other pertinent stakeholders from Bhutan were trained by CPSC on the role of Accreditation in Achieving Quality-Assured TVET Programs. The training program was held at the premises of the Natural Resources Development Corporation Limited (NRDCL) in Thimphu.

The overall arrangements were jointly supervised by the CPSC Director General, Dr. Ramhari Lamichhane and the Director of the Technical Education-MoLHR, Mr. Norbu Wangchuk. CPSC's Faculty Specialist, Ms. Therese Tan Lee, was the overall program coordinator and primary resource person. She was supported by the Chief Program Officer for the TVET Professional Services Division of MoLHR, Mr. Sangay Dorji, who is also the local coordinator of the program. Discussions about the local context of accreditation was facilitated by the Chief Program Officer of the Quality Assurance Division at the Department of Occupational Standards- MoLHR, Ms. Yeshey Khandu.

The five-day event was a fruitful endeavor filled with activities and sessions that focused on the following themes: (1) QMS in TVET for Skilled Workforce; (2) Quality Assurance System on TVET Programs, Registration and Accreditation System; (3) Quality Assurance System on the National Assessment and Certification; (4) External Quality Assurance using APACC Criteria and lastly (5) Quality Assurance System of Bhutan. To complement the classroom activities, a study visit to the Royal Institute of Tourism and Hospitality (RITH) in Thimphu was also embarked to provide a more practical approach to fulfill the program's objectives.



(Top Photo)
Dr. Ramhari Lamichhane (left) and Ms. Therese Lee (center) with the Honorable Secretary of MoLHR, DASHO SONAM WANGCHUK (right) during the opening ceremony.

(Bottom Photo)
DG meeting with the Minister of Labor and Human Resources of Bhutan, H.E. Lyonpo Ugyen Dorji; (right)



In-Country Program on Skills for Youth Employability through Industry Linkages held in Nepal

A total of 29 participants from both the public and private sector were in the Training Institute for Technical Instruction (TITI) in Kathmandu, Nepal from April 8-12, 2019 to attend the In-Country Program on Skills for Youth Employability. The program was organized in collaboration with the Council of Technical Vocational Training (CTEVT).

The program was organized on the backdrop of Nepal's changing economic scenario and the reforms that are taking place in the world of work. More than ever, the collaboration and tuning between institute and industry are becoming recognized as an essential requirement to skilling youth for employability and for sustaining and promoting faster industrial and economic growth. Through this In-Country Program, CPSC contributed to the raising of awareness and provision of skills and values necessary to put Industry - Academia Linkages for TVET System into practice.

Dr. Ramhari Lamichhane, a former CTEVT member secretary and the present Director General of CPSC, was the program supervisor, along with Mr. Pushpa Raman Wagle, the present CTEVT member secretary. Dr. Rajesh Khambayat, the Joint Director of PSS Central

Institute of Vocational Education (PSSCIVE), Bhopal, India, was the Program Coordinator and Resource Person. Meanwhile, Mr. Anoj Bhattarai, the Director of Technical Division of CTEVT, acted as the local coordinator and resource person for the program.

The program was inaugurated by Nepal's Education Secretary, Mr. Khaga Raj Dahal. He was able to meet with CTEVT officials and Dr. Lamichhane and were able to discuss emerging concerns in the field of TVET in Nepal.

In addition to classroom lectures, a national seminar and a study visit to a nearby industry was also embarked to expose the participants to practical examples on implementing measures to strengthen the skills of youth for employability. Relevant discussions regarding this matter were also tackled during the group activities.

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Dr. Rajesh Khambayat (further left) with some of the participants during the program



The participants discussing their tasks with each other

CPSC Partners with Singapore for a 5-Day Joint Training Program

A total of 38 school participants, 16 are which from CPSC member countries, attended the Joint Training Program on “Technical Vocational Education and Training (TVET): The Singapore Experience” held from May 13-17, 2019 at the ITE Campus in Ang Mo Kio, Singapore. TVET instructors, administrators and representatives from Bangladesh, Bhutan, Fiji, Malaysia, Maldives, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka and Thailand attended the program.

CPSC has been collaborating with Singapore’s Ministry of Foreign Affairs through the Singapore Cooperation Program (SCP) and the ITE Education Services (ITEES) in administering this annual training program. Since 2008, it has benefited more than 200 TVET teachers and trainers in the region through the administration of more than 10 courses. CPSC facilitated the international travel of the participants to and from Singapore, as well as additional arrangements during the training program.

The objective of the course is to allow TVET professionals and leaders to gain insights into Singapore’s policy frameworks and systems for TVET, including its experience in TVET administration and delivery, and explore holistic approaches in developing curriculum and pedagogy. Aside from the classroom lectures, the participants were also able to visit the Institute of Technical Education College West for a more hands-on experience to the facilities and training programs experienced by Singaporean TVET students.

Dr. Ramhari Lamichhane, the Director General of CPSC, supervised the program alongside Mr. Bruce Poh, Chief Executive Officer of ITE Education Services (ITEES) and Mr. William Tan, Director General of the Technical Cooperation Directorate in Singapore’s Ministry of Foreign Affairs.

Regional Program in China...continued from p.8

On April 29, 2019, the participants were welcomed by Dr. Rupert McLean, founding director of UNESCO-UNEVOC and one of the lecturers of the program. Meanwhile, Dr. Lamichhane imparted lectures on Greening TVET for Sustainable Future and Organizational Excellence and Entrepreneurship.

In the following days, several lectures and workshops were conducted as planned in the schedule of the program for the participants. Prof. Ju Chunhua of the Zhejiang Goshang University discussed the development of e-commerce and service in China while a lecture on the innovative exploration of the greening classroom in vocational colleges, as experienced in China, was delivered by Prof. Tony Zheng of ZJTIE. Other officials from ZJTIE and the member countries also presented their respective papers related to e-commerce and other topics. The participants were also given the opportunity to visit some of the key industries in the Hangzhou area as part of their learning field trips including the Yiwu International Trade City, Hangzhou Iron and Steel Group, Alibaba Group, Geely Group and Suning Green Logistics Enterprise.



Group Photo of the Participants during their visit to ITE College West. Official photos courtesy of Ministry of Foreign Affairs, Singapore.



Dr. Ramhari Lamichhane presenting a pottery he made during the ZJTIE Cultural Lecture

In-Country Program in Bangladesh Focuses on Developing Industry-Institution Linkages in TVET

In collaboration with the Directorate of Technical and Madrasah Education (DTE) of Bangladesh, the Colombo Plan Staff College (CPSC) successfully organized the In-country Program on Industry-Institution Linkages (IIL) in the Technical Teacher's Training College in Dhaka from June 16-20, 2019. A total of 45 TVET practitioners, instructors and teachers participated in the program.

Through this program, CPSC contributed to the raising of awareness and provision of skills and values necessary to put industry-institution linkage system for TVET system into practice. It is founded on the premise that specific innovative approach is needed to deal with the industry-institution linkage developmental challenges for meeting the needs of today and in the future.

The program was supervised by the heads of the two collaborating organizations namely the Director General of CPSC, Dr. Ramhari Lamichhane and the Additional Secretary and Director General of DTE, Mr. Rawnak Mahmud. Dr. Vijay Patil, CPSC Seconded Faculty Consultant, served as the Program Coordinator and Resource Person. Engr. Md. Jahangir Alam, presently the Director of the Planning and Development Division of DTE and former CPSC Faculty Specialist served as a local coordinator of the program.

The program was opened on June 16, 2019 and was attended by Dr. Md. Morad Hossai Mollah, Chairman of the Bangladesh Technical Education Board and Mr. Md. Monjurul Kader, Director (Administration) of the Directorate of Technical; Education. They expressed their optimism regarding the success of the participants to further realize the benefits of IIL in the development of TVET in Bangladesh. This statement was seconded by Dr. Vijay Patil, who is representing CPSC as the program coordinator and resource person. He mentioned in his opening remarks of his willingness to continually contribute to the development of TVET in Bangladesh as a faculty of CPSC.

Topics such as the (1) Concepts and Principles of Building Industry-Institution Linkages in TVET System; (2) Innovative Models and Approaches in TVET Industry- Institution Linkage; (3) Skills for Youth Employability and (4) Dual Training System: Concept, Benefits, and Challenges were tackled during the five-day duration. The program also included a study visit to the Haque group of Industries, a factory specializing on the manufacture of biscuits located in Dhaka.

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Integration of Technopreneurship in the TVET Curriculum- Main Topic of this Year's In-Country Program in Sri Lanka



A total of 48 participants attended the In-Country Program on the Development of Curriculum Integrating Technopreneurship held at the Distance Learning Center in Colombo, Sri Lanka from June 17 to 21, 2019. The program was held through the collaboration of the Colombo Plan Staff College (CPSC) and the Department of Technical Education and Training (DTET).

Through this in-country program and seminar, CPSC aims to contribute to the raising of awareness and provision of skills and values necessary to put technopreneurship into practice. Since training to the participants on technopreneurship is the responsibility of the TVET system, it shall become the platform for participants from member country to contribute to enhance through their occupations and other areas of their lives.

The program was jointly supervised by Dr. Ramhari Lamichhane, Director General of CPSC and Mrs. P.N.K Malalasekera, the Director General of DTET. Mr. Sanyog Bhattarai, CPSC Faculty Specialist, acted as the Program Coordinator and Resource Person. He was assisted in the local arrangements and logistics by Mr. Kithsiri Weerawardhana, Deputy Director of Human Resource Management of DTET and Mr. Chamila Indika, the Development Officer at Human Resources Development Division of DTET. Discussions in the local context were delivered by Dr. Samantha Rathnayake, Faculty member/ Management Consultant at the Postgraduate Institute of Management (PIM) of University of Sri Jayewardenepura and Engr. (Dr.) D.D.D Suraweera, Dean of the Faculty of Industrial and Vocational Technology, National Institute of Technical Education of Sri Lanka.

The program was officially inaugurated on June 17, 2019. In an opening ceremony, Mr. K.D.N. Ranjith Asoka, the Secretary, Ministry of Industry & Commerce, Resettlement of Protracted Displaced Persons, Co-operative Development and Vocational



Presenting the token of appreciation to Mr. K.D.N. Asoka (center), the chief guest of the program.



Mr. Sanyog Bhattarai (right) delivering his lecture to the participants

Training & Skill Development was invited as a chief guest of the program. He commended both CPSC and DTET in arranging the event and cited its relevance to the economic and social development of the country. In addition to this, Mrs. P.N.K Malalasekera, Director General of DTET also emphasized on need of technopreneurial skills to the TVET graduates in the era of 21st century and importance of such kind of training program.

For the duration of five days, the following topics were tackled: (1) Organizational Excellence Through the Management of Technopreneurship; (2) Competencies to be a Trainer on

Technopreneurship; (3) Embedding Technopreneurship in the Curriculum; (4) Sri Lanka's Best Practices in Entrepreneurship Education and (5) Fostering Entrepreneurial Attributes among TVET Students through Teaching-Learning Strategies. In addition, a study visit to the Industrial Development Board in Moratuwa, Sri Lanka was embarked in order to provide practical examples of applied technopreneurship practices in the industrial perspective.

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IC INDIA



ICP BANGLADESH



ICP THAILAND



ICP NEPAL



ICP MALAYSIA

ICPS, SEMINARS AND CONFERENCES ORGANIZED BY CPSC AND ITS INSTITUTION PARTNERS BENEFITED 2062 TVET PRACTITIONERS IN 10 MEMBER COUNTRIES.



FY 20
High



RP IN INDIA



RP IN PHILIPPINES



RP IN NEPAL



RP IIN CHINA

REGIONAL PROGRAMS INVITED 107 PARTICIPANTS FROM 16 MEMBER COUNTRIES.



RNIT, PHILIPPINES



POU, MALAYSIA



SSVTC, PHILIPPINES



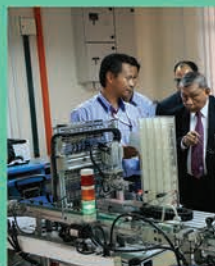
UVC, THAILAND



PIS, MALAYSIA



MJII MALAYSIA



11 TVET SCHOOLS FROM THAILAND, MALAYSIA, MONGOLIA AND THE PHILIPPINES WERE VISITED BY APACC.

- CUSTOMIZED AND OPEN REGISTRATION PROGRAMS DEVELOPED THE SKILLS OF 193 PARTICIPANTS IN VARIOUS ASPECTS FROM CURRICULUM DEVELOPMENT TO BANKING AND FINANCE.



ICP PHILIPPINES



CP DON BOSCO



ICP FIJI



CP TESDA



ORP



CP NEPAL IN KOREA

18-2019
Highlights

APACC TRAINING ACTIVITIES DEVELOPED AND RENEWED A TOTAL OF 173 ACCREDITORS.



CP BHUTAN



CP ENSSURE



APACC THIRD AAA MEETING



FIRST REFRESHER TRAINING ON APACC INSTRUMENT



APACC THIRD AAA MEETING



PCET, MONGOLIA



KKTM, MALAYSIA



45 PROGRAMS BENEFITTING 2,540 TVET PERSONNEL WERE ORGANIZED FOR THIS YEAR BY CPSC

CPSC FACILITATES THE STUDY VISITS OF MOLHR, BHUTAN OFFICIALS IN AUSTRALIA AND MALAYSIA

The Colombo Plan Staff College (CPSC) facilitated a series of meetings and visits in Australia and Malaysia for the Ministry of Labour and Human Resources (MOLHR), Bhutan held from June 19-26, 2019. These activities were related to the efforts of the Government of Bhutan in uplifting the quality of technical and vocational education and training (TVET) in their country. A delegation composed of eight (8) high officials from MOLHR embarked on this trip to understand the implementation modalities of national diploma courses in TVET and process of program registration and accreditation in Australia and Malaysia.

Through the cooperation of various partners in Australia, the delegates were able to visit Crown Institute of Higher Education in Sydney, Canberra Institute of Technology (Bruce and Reid Campuses), Department of Education, Australian National University, Canberra Innovation Network, and TAFE Directors Australia.

On the other hand, institutions visited in Malaysia were the Department of Polytechnic and Community College Education (DPCCE), Ministry of Education, and the Department of Skills Development (DSD), Ministry of Human Resources in Putrajaya and the Politeknik Sultan Salahuddin Abdul Aziz Shah (PSA) in Shah Alam.



Up: The MolHR delegation during their visit to DPCCE, Malaysia; Lower left: Mr. Sangay Dorji presenting the token to Crown Institute of Technology in Sydney; Lower right: Visit of the delegation to PSA Shah Alam, Malaysia

NEPALESE TVET OFFICIALS ATTEND A 5-WEEK CUSTOMIZED PROGRAM ON ENHANCING QUALIFICATION SYSTEMS AND COMPETENCY STANDARDS



The participants during one of the ice breakers during the classroom sessions

Fifteen (15) officials from the National Skills Testing Board (NSTB) of Nepal is being hosted by Colombo Plan Staff College (CPSC) in Manila, Philippines from May 6, 2019 until June 7, 2019 for the immersion on the Philippine qualification systems, standards and processes. This is a part of a 13-week program that aims to develop an improved vocational training qualification and skills certification system in Nepal, with the remainder to be held in Technical Education and Skills Development Authority (TESDA) and in Kathmandu, Nepal until July 31, 2019.

The program is a supporting activity related to the development of a National Vocational Qualification Systems (NVQS) implemented by the Council of Technical Education and Vocational Training (CTEVT) of Nepal, with the financial and technical support from the Swiss Agency for Development Cooperation.

The program aims to describe to the participants the National Vocational and Qualification Framework and the integral sub-systems of the Philippines and its implementation mechanisms. The lectures and lessons were designed to explain competency standards and competency assessment tools development. The lecturers are expected also to share their techniques on occupational mapping and vocational qualification package development; training arrangements and quality monitoring and reporting techniques in skill assessment. It is also intended to discuss how the Philippines conduct competency assessment and certification and share and guide on how to prepare Competency Standards Assessment Tools particularly the Evidence Plan-Project Observation and Assessment Tool Packages.

The program is being supervised by the CPSC Director General, Dr. Ramhari Lamichhane and Sec. Isidro Lapeña, the Director General of TESDA. Program coordination was facilitated by Ms. Therese Tan Lee, Faculty Specialist of the CPSC. Academic resources were provided by the members of the CPSC academic team namely: Dr. Romulita Alto, Visiting CPSC Faculty Consultant; Engr. Abdul Ghani Rajput and Mr. Sanyog Bhattarai, both CPSC Faculty Specialists; Dr. Vijay Patil, CPSC Seconded Faculty Consultant and Mr. Felix Sibal, ICT Officer.

The five-week training also includes several workshops and study visits to other institutions such as the TESDA units in Taguig, Metro Manila; Toyota Motors Philippines; Don Bosco Technical School-Makati; Hotel H20; Meralco Foundation, Inc. (MFI) and Lyceum of the Philippines University in Manila. An intensive immersion in TESDA will be the program's highlight in which they will be exposed to the practices of the agency when it comes to the development of competency standards and assessment tools.



BOARD OF DIRECTORS OF BANKS AND FINANCIAL INSTITUTIONS OF NEPAL

HOSTED BY CPSC FOR A CUSTOMIZED PROGRAM

The Colombo Plan Staff College (CPSC), in collaboration with the Banking, Finance and Insurance Institute of Nepal (BFIN) was able to successfully conduct a customized program catered to the banking and finance sector. It was held from June 17-21, 2019 and involved the participation of 25 participants headed by the Managing Director of BFIN, Dr. Binod Atreya.

Targeted exclusively for the board members of the banks and financial institutions/public sectors in Nepal, the program was organized for them to be able to learn about the leaders' challenges in the bank industry and respond to the digital transformation shaping the global world.

In addition, it fulfilled the following objectives:

- Understand the roles and responsibilities of a Board Member of financial/public organization; and their direct relationship with the management of bank and financial institutions;
- Use their knowledge, personal skills and competencies to act as an effective leader of a financial/public organization;
- Be aware of emerging trends and directions in the finance industry in Philippines or across the globe;
- Understand the future leadership challenges emanating from the development of technology and other external and internal environmental factors;
- Prepare leaders to cope with the digital world of tomorrow.

Overall program supervision was through the efforts of Dr. Ramhari Lamichhane, CPSC Director General. Program coordination meanwhile was organized by Engr. Abdul Ghani Rajput, CPSC Faculty Specialist. Other lecturers were sourced from our existing professional experts' pool as local resource persons, namely: Dr. Romulda C. Alto, (Faculty Specialist, CPSC); Ms. Myra May Fernandez-Dagdagan (Manager, Financial Supervision Department V, Financial Supervision Sector,



Engr. Rajput (right) receiving the tokens of CPSC on behalf of the Director General.

Central Bank of the Philippines); Ms. Maria Susan P. Alfonso (Financial Advisor, Philamlife Insurance Co.,) and, Mr. Joseph S. Reyes (Certified Investment Solicitor, Philam Asset Management).

In addition to the classroom lectures, the 5-day visit also included the exposure visits and study tours to different banking institutions in the Philippines: namely the Banking Association of the Philippines (BAP) and Asian Development Bank (ADB), The Bangko Sentral ng Pilipinas Complex and the Department of Finance, Philippines. They were also able to see some of the city sights including Rizal Park, Intramuros, Visit to the Bankers Association of the Philippines (BAP)McKinley Hill and Greenhills Shopping Center.





For the fourth time since 2008, the Concepcion Vocational School (CVS) in the province of Tarlac, Philippines, subjected itself to APACC accreditation to reaffirm the effectiveness of its quality practices. The revisit was held from June 24-25, 2019. Previously, the institution was awarded an APACC silver level accreditation which was valid from April 18, 2016 until April 17, 2019.

The APACC team assigned for this visit consisted of the following members: Lead Accreditor, Dr. Romulita Alto, Research Consultant, Technological Institute of the Philippines (TIP), Member Accreditor, Mr. Sanyog Bhattarai, CPSC Faculty Specialist, and APACC Documentation Officer, Mr. Vergel Dela Paz, CPSC General Services Officer.

The two (2) day on-site revisit commenced on June 24, 2019 through a short program attended by CVS management and staff led by Dr. Alvin Yturralde, CVS Vocational School Administrator (VSA). Mr. Bhattarai and Dr. Alto expressed their sincere appreciation to CVS for continuously believing and submitting itself to APACC accreditation process.

The tour of facilities followed immediately after the opening program. A series of interviews with different group of staff per respective criterion and documents inspection were then conducted to validate the claims stated in the Self Study Report. The 2-day on-site revisit concluded on June 25, 2019. The qualitative report including commendations, affirmations, and recommendations were presented by the Lead Accreditor, Dr. Romulita Alto, during the exit meeting.



Instrument and document verification during the interview of the CATs

Concepcion Vocational School Aims for Improved Accreditation Standing, Gets Revisited by APACC for the Fourth Time

The Concepcion Vocational School (CVS) is an institution created under Republic Act 8138 - An Act Establishing a Vocational School in the Municipality of Concepcion, Province of Tarlac under the supervision of the Technical Education and Skills Development Authority (TESDA). CVS offers programs registered with TESDA under the Unified TVET Program Registration and Accreditation System (UTPRAS) with emphasis on agriculture, vocational and technical training, and science and technology education.

CPSC Establishes Partnership with PACUIT for the International Conference, Signs New MoUs with Various Filipino SUCs



Dr. Lamichhane and Dr. Raul Muyong, President of PACUIT, during the MoU signing ceremony with some SUC officials as witnesses.

The Colombo Plan Staff College signed a Memorandum of Agreement (MoA) with the Philippine Association of Colleges and Universities of Industrial Education (PACUIT) during a ceremony held at the 17th annual conference and 3rd international conference on “Leading the 21st century Generation Towards a Globalized Industrial Technology”. The event was held from April 24-25, 2019 at the Ciudad Christia Resort in San Mateo, Rizal, Philippines.

Representing CPSC is Dr. Ramhari Lamichhane, CPSC’s Director General with the Faculty Specialists, Mr. Sanyog Bhattarai and Mr. Abdul Ghani Rajput acting as witnesses. PACUIT meanwhile was represented by Dr. Raul F. Muyong, President of the Iloilo Science and Technology University (ISAT-U) and PACUIT.

In addition to PACUIT, CPSC also established a Memorandum of Understanding (MoU) with the following Filipino State Colleges and Universities (SUCs):

1. Zamboanga City State Polytechnic College
2. President Ramon Magsaysay State University, Iba, Zambales
3. Bulacan State University
4. Marikina Polytechnic College

It is aimed that with these new partnerships, CPSC will be able to formally pursue new opportunities for possible collaboration and information exchange.

State Minister Leads Ethiopian Delegation’s Visit to CPSC



Dr. Lamichhane (left) with Dr. Abdulwase Abdulahe, State Minister for Ministry of Science and Higher Education (3rd from left) during their visit to the ongoing classroom session.

Dr. Abdulwase Abdulahe, State Minister for Ministry of Science and Higher Education of Ethiopia, led the 6-man delegation that was welcomed by Colombo Plan Staff College on May 29, 2019.

He was accompanied by senior officials of the Ethiopian TVET system namely: Mr. Getachew Negashe, Director General of Federal TVET Agency (FTA); Mr. Teshale Berecha, Director General of Federal TVET Institute (FTI); Mr. Alemshet Birhane, Deputy Director General of Federal TVET Agency (FTA) and Mr. Eniyew Getnet, Deputy Director General of

Federal TVET Institute (FTI) for Research. Dr. Ricardo Mejia, the Filipino Advisor and Expert in TVET also accompanied the visitors.

Dr. Ramhari Lamichhane, CPSC Director General, along with the Seconded Faculty, Dr. Vijay Patil and faculty specialists composed of Mr. Sanyog Bhattarai, Mr. Abdul Ghani Rajput and Ms. Therese Lee; as well as a few CPSC division officers were invited to receive the delegation.

CPSC Gains ISO 9001:2015 Recertification

As a testament of the effectiveness of its existing quality management systems, Certification International Philippines, Inc. conveyed to Colombo Plan Staff College a recertification on ISO 9001:2015 valid from June 14, 2019 until June 13, 2022.

The recertification affirms CPSC's scope as "organizing demand-driven training programs, projects, accreditation and certification, research, information and communication technology in technical and vocational training (TVET) and human resource development services". It also affirms CPSC's continued excellence in TVET and its desire to continually be competitive by being a regional model for quality systems implementation.

The recertification was gained after a successful audit held on May 9, 2019. The recertification also requires CPSC to maintain its conformity to the standards of ISO 9001:2015 through an annual reassessment of its quality management system.



Certificate of ISO 9001:2015 Certification awarded to CPSC by Certification International Philippines, Inc.

In-Country Program on...continued from p.10

National Consultative Seminar on Skills for Tomorrow

A brief discussion on CPSC's mission, vision, objectives and scope in the region commenced after the brief formalities. Dr. Lamichhane presented some information regarding CPSC's recent activities in the region, particularly on the institutional accreditation and certification spearheaded by APACC.

Dr. Abdulahe expressed his appreciation to CPSC for warmly welcoming them and expressed his interest to collaborate in future activities through a MoU. He also expressed his willingness to tap the Ethiopian government in exploring additional ways to strengthen the partnership between the two organizations on fields such as training, research and information exchange.

In collaboration with CTEVT, Nepal convened a half-day seminar on Skills for Tomorrow against the background of the emerging industrial transformation regarding skilling youth for the future. Two panelists coming from the industries and the Public and Private Technical School Association were invited to impart their expertise to the participants.

The purpose of the seminar is to create a platform for the academicians and practitioners to exchange ideas and experiences to provide an insight on addressing the concerns and exploring opportunities for the future of work. It provided a timely opportunity for the participants and guests to share knowledge and experiences on the educational and training dimension of enhancing the skills in youth and to discuss the policy tools, the coordinating mechanisms and the scope of

national educational and training strategies to deal with industrial transformation 4.0.

Key speakers of the Panel Discussion include: Mr. Rom Kant Pandey (Vice President, Federation of Computer Association Nepal); Mr. Khagendra Adhikari (Chairperson, Forum for Health and Technical Sciences); and Mr. Mohan Katuwal (Chairman, Federation of Grill and Steel Fabrications Association). Officials of CTEVT and MOEST were also present to facilitate the discussions.



Speakers and high officials at the National Seminar on Skills for Tomorrow (left to right): Mr. Tek Bahadur Malla (CTEVT Divisional Director, Training Division); Er. Mahesh Bhattarai (CTEVT Divisional Director, Administration Division); Dr. Rajesh Khambayat (Program Coordinator and Resource Person); Dr. Ramhari Lamichhane (CPSC Director General); Dr. Hari Lamsal (Joint Secretary, Ministry of Education, Science and Technology) and Mr. Binod Badal (Director, National Skill Testing Board).

Dr. Vijay Dinkar Patil from NITTTR Bhopal Joins CPSC



Colombo Plan Staff College is pleased to welcome another addition to its network of professional staff that will execute its programs and activities to the member countries- Dr. Vijay Dinkar Patil from India.

Dr. Patil is the most recent Member Country Seconded Faculty Consultant, having joined the College on May 1, 2019. He was assigned as the new division chairman of the Research, Publications and Information Division (RPID).

Prior to his engagement to CPSC, he was an associate professor at the Department of Civil and Environmental Engineering at the National Institute for Technical Teacher's Training and Research (NITTTR) in Bhopal, Madhya Pradesh, India.

He finished his Bachelor of Civil Engineering on 1989 and his Masters in Civil Engineering, majoring in Town and Country Planning on 1993 at Pune University in Pune, India. He also majored

part-time in Housing Law, Information and Communications Technology and Business Administration in several Indian universities. His most recent academic achievement that he obtained is his Doctorate Degree in Civil Engineering in Singhad College of Engineering, Pune.

He also handled several responsibilities in NITTTR, as well as several schools and organizations in Pune and Mumbai. He was also a member of several notable professional bodies, notable the Institution of Engineers-India, Institution of Town Planners-India, Indian Society of Technical Education, and Association of British Council Scholars- Western Zone. He was also awarded with the Charles Wallace India Trust Fellowship to the UK.

The CPSC family reiterates their good wishes to Dr. Patil as he fulfills a significant milestone in his professional career in the Philippines.

CPSC Welcomes New Interns from Thailand and China

The CPSC family is happy to welcome the new interns from Thailand and China under the Professional Internship Program for International Experience (PIPIE). They will be staying in CPSC's premises for a temporary period to enhance their skills and experience the working culture of an international organization.



Mr. Thanaporn Khantawichai (Kwang), from Thailand, was born on January 27, 1990 and officially joined CPSC on April 2, 2019 as a Professional Intern under the Training and Development Division (TDD). Prior to his assignment, he worked in the Quality Assurance section at the Office of Vocational Education Commission (OVEC) in Thailand from 2017 until

2018. As an educator, he provided documents and relevant programs in quality assurance. He also coordinated international programs and activities under the purview of OVEC.

He was also an English teacher at Siam Business Administration Nonthaburi Technological College (SBAC). In this assignment, he mainly provided English teaching plans and lessons to students in the institute, do student counseling, and also assist in other tasks during the onsite visit of APACC last March 2018.

He finished his dual degree in Bachelor of Art in English and Bachelor of law in Udonthani Rajabhat University and Ramkhamhaeng University. Presently, he is pursuing a Thai law certificate in Barrister at Law.

He was also awarded as the Best Teaching Personnel in SBAC in 2017. In addition, he is also a current member of the Thai Bar Association.

Ms. Shiyu Lin (Shirley), from China, was born on January 9, 1996 and she joined the College on May 15, 2019. This is her first time working in the TVET field.

She is currently a Masters' student in Vanderbilt University in the United States since 2018 and joined CPSC for her summer practicum, pursuing a major on International Education Policy and Management. She is also a graduate student worker in the International Student and Scholar Services Office at Vanderbilt University since 2019.

Her main job there is to assist in International Student Advisers on all ISSS programs, activities and events and developing marketing and communication materials such as posters, flyers.

She finished her Bachelor of Science in Economics at George Mason University in the United States. After her masters, she is planning to pursue a PHD degree in the education field.

CPSC wishes the best for the two interns and hopes for their fulfilling stay during the duration of their internship in the college.



CPSC Implements Soft Skill Trainings for its Staff Development

CPSC facilitated several staff development activities from April to June 2019 to further enhance the skills of its staff in terms of several competencies needed to boost productivity in their workplaces.



Communication Training Needs Assessment- May 10, 2019.

Participated by all local staff and faculty members, the training comprised of several writing, reading and listening examinations aimed in assessing the competency and proficiency of the staff in speaking, writing and understanding the English language. The training was provided by BIZCORE, Inc. through their trainer, Mr. Ivan Burcer

Boosting Productivity in the Workplace- June 28, 2019.

The one-day training, implemented by BIZCORE, Inc. through Mr. Ivan Burcer and Mr. Gabby Go Balauag, aimed to suggest methods for all faculty members and staff to boost their professional productivity. Topics tackled include the effective time management, stress management (including the use of blocking), improving communication and negotiation in the workplace, as well as other related matters aimed to motivate, inspire and challenge the staff members to improve their work ethics.

Orientation on APACC Criteria and Processes- May 28, 2019

Participated by all members of the faculty and selected staff members, the training aims to prepare the participants to deployment in APACC-related activities by providing an orientation to the APACC process. The training covered several lectures on the APACC criterion, onsite visit process, updates in the APACC process, proper behavior of the accreditation team and the definition and relevance of several technical terms used in APACC. The training was delivered by Ms. Therese Lee, CPSC Faculty Specialist and Ms. Adrienne Abril, APACC officer.



Business Correspondence and Interpersonal Communication- May 30-31, 2019.

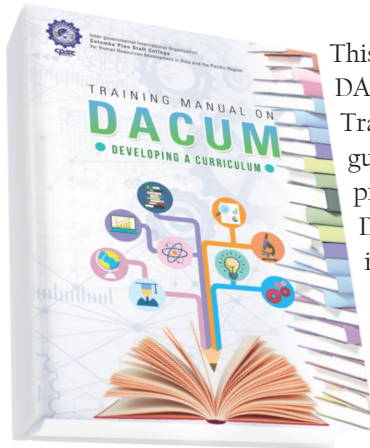
The two-day training, spearheaded by BIZCORE, Inc. through Mr. Ivan Burcer, aims to further improve the competencies of all the local staff in using the English language in professional communication. Topics tackled include proper email correspondences, using proper English grammar and improving interpersonal communication in the workplace. Several exercises and practical examples were given to the staff to further refine their skills in using English.

CPSC LAUNCHES *Two Training Manuals* FOR TVET TEACHERS

CPSC is pleased to announce the dissemination of two training manuals specifically designed for TVET teachers, trainers and instructors for their respective TVET trainings. Written in a simple yet comprehensive manner by CPSC's pool of faculty specialists, these training manuals aim to distribute the CPSC standard of organizing training programs to TVET practitioners in its member countries, as the recommended processes can be applied in general to trainings in that matter.

TRAINING MANUAL ON DEVELOPING A CURRICULUM

Author: Engr. Sanyog Bhattarai



This training manual on DACUM Facilitators' Training (DFT) is a guiding document to plan, prepare, and implement DFT for trainers who are involved in occupational analysis and curriculum development fields. With aim to establish an international standard of all occupational analyses

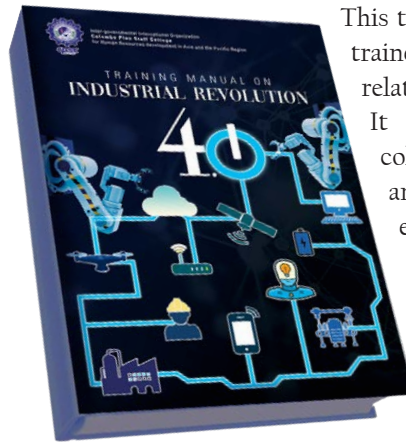
facilitators using the DACUM model, this course is extremely important for those who wish to become expert in DACUM process.

It is prepared with the contents collected from different documents and especially designed to support trainers/instructors in practical and easy way to conduct DACUM facilitators' training.

This training manual provides a clear, concise and informative strategies that were adopted from CPSC's own experience on the subject as well as from my own knowledge and expertise. As CPSC successfully implemented DACUM facilitator training in the past, this is a testament of CPSC's continued commitment to provide a simple, applicable and innovative publication that is targeted to increase the skill and knowledge of its participants.

TRAINING MANUAL ON DEVELOPING A CURRICULUM

Author: Engr. Abdul Ghani Rajput



This training manual is a designed for a trainer in conducting training activities related to Industrial Revolution 4.0. It is prepared with the contents collected from different documents and especially designed to encapsulate the needs of the TVET leaders, managers and faculties/instructors in practical and easy strategies to convert TVET in a sustainable development and towards the new industrial revolution direction.

The purpose of preparing this document is to provide a fundamental and step-by-step process for the guidance of the TVET trainers, administrators and academics, which are the target users of this manual.

This training manual recognizes the dynamic nature of the topic and thus, can be edited or changed as the authors see fit. It is designed to build the capacity of TVET practitioners on re-designing teaching and learning material in line with industrial revolutions that the trainers can apply to the present training context or to the scenario of their respective countries and localities.

Topics of interest include: (1) Concept of IR 4.0, (2) Building Blocks of IR 4.0, (3) Design Principles of IR 4.0 (4) Challenges and Opportunities of IR 4.0 on TVET and (5) Re-designing Teaching Learning Material, in addition to the techniques and methods recommended for organizing CPSC training programs.

GREEN HOME

The net-zero home

Net-zero homes that generate all the power they use are becoming more prevalent and more affordable. At the higher end are homes that use some of these techniques to create energy and lower their impact on the environment. Here are some features:

Passive solar design: Using south-facing windows to harvest the sun's warmth in winter and keep the house cooler in summer.

Insulated wall panels

Site prep: All trees removed are chipped for mulch; all excavated materials screened and used for road base, backfill and topsoil. Construction debris sorted and recycled.

Concrete: Recycled cement with local coal ash and local demolition concrete

Solar thermal heating system: Evacuated tube solar collectors mounted on roof heat water used for in-floor radiant heating system in the home.

Solar electric power

Wind power system: Wind turbines on the roof

Veggie-based insulation: Soy paint, corn-based carpet and Forest Stewardship Council certified lumber and framing materials

Energy efficient windows and doors

Stone: Locally quarried stone exterior

Geo-thermal heating and cooling system: A heat recovery ventilation system. Geothermal heat pumps use stable ground temperatures for home heating and cooling.

Gray water recovery: Water used in sinks, showers, washing machines is collected and used for toilet flushing and landscape irrigation.

A green home is a type of house designed to be environmentally sustainable. Green homes focus on the efficient use of "energy, water, and building materials". A green home may utilize sustainably sourced, environmentally friendly, and/or recycled building materials. It may include sustainable energy sources such as solar or geothermal, and be sited to take maximum advantage of natural features such as sunlight and tree cover to improve energy efficiency. There is no single standard about what makes a home green. However, as a general principle, it is easier for a home to be truly "green" if it is designed that way when it is built.

Five benefits in living at a Green house:

1. Environmental benefits: The use of renewable energy reduces our dependence on fossil fuels and other depleting sources. You may have to spend at first but consider it as an investment
2. Life style benefits: Living in a green home means that you are living a simpler life and decluttering your house. Say goodbye to your wasteful and hoarding past.
3. Economic benefits: A green home means that quality lasts longer. You save money in maintenance and replacement costs in the future.
4. Financial benefits: Today's market is changing. Studies show that a green home's value increases when you sell it in the future.
5. Health benefits: Green homes have pure ventilation system. This means that the air is cleaner and it promotes a healthy indoor environment.

Reference:

Leth.H.(May 17, 2017). Five benefits of living in green house. Retrieved June 6, 2019, from: <https://www.homify.ph/ideabooks/3308936/5-benefits-of-living-in-a-green-home>

Rachel.B (December 16, 2017).What is green home. Retrieved June 6, 2019, from:<https://www.thebalancesmb.com/what-is-a-green-home-845333>

VERTICAL FRAMING



Vertical farming is the practice of producing food and medicine in vertically stacked layers, vertically inclined surfaces and/or integrated in other structures (such as in a skyscraper, used warehouse, or shipping container). The modern ideas of vertical farming use indoor farming techniques and controlled-environment agriculture (CEA) technology, where many environmental factors can be controlled. These facilities utilize artificial control of light, environmental control (humidity, temperature, gases...) and fertigation.

Plants at most vertical farms are grown hydroponically, or without soil, nourished instead by the recycling of a nutrient-rich water solution. Some such farms rely on aeroponics, where the water solution is misted onto the plants' roots. The farms are typically several stories tall, allowing for crops to be stacked in an enclosed space. Photosynthesis is brought about by artificial light, and sometimes augmented by natural light, like in a greenhouse.

Advantages and Disadvantages of Vertical Farming:

Vertical farming has a lot of promise and sounds like the farm of the future. However, there are a few stumbling blocks to consider before rushing full-speed ahead into vertical farming. This is indicated in the list below.

Benefits and Side Effects of Vertical Farming

ADVANTAGES	DISADVANTAGES
- Offers a plan to handle future fruit demands	- Costly to build and economic feasibility has not yet been studied.
- Allows crops to grow year-round	- Pollination is difficult and costly
- Weather does not affect the crops	- Higher labor costs
- Uses significantly less water	- Susceptible to technology glitches and power loss.
- More organic crops can be grown	
- Less exposure to chemical and other diseases.	

References:

1. Rick. L. (April 18, 2019), *What You Should Know About Vertical Farming, sustainable business*. Retrieved June 6, 2019, from: <https://www.thebalancesmb.com/what-you-should-know-about-vertical-farming-4144786>
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3. Joseph. E. (Dec 06, 2017). *Why Vertical Farming Could Be On The Verge Of A Revolution — And What's Keeping It Down*, HUFFPOST. Retrieved June 6, 2019, from: https://www.huffpost.com/entry/vertical-farm-industry_n_6818402

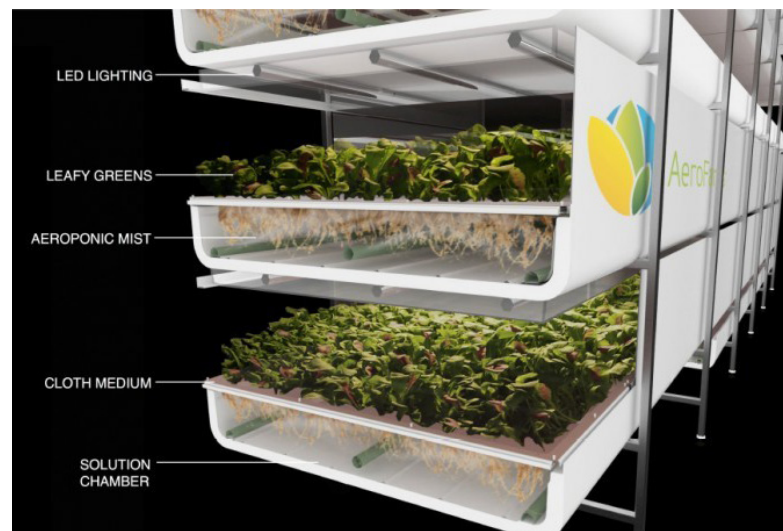
National Seminar of Enhancement of Youth Employment Opportunity for TVET Graduates

A half-day seminar regarding the abovementioned topic was held on June 19, 2019. In that event, CPSC and the participating institutes were given a chance to exchange ideas and experiences to provide an insight on addressing the concerns and exploring opportunities for the future of work. The seminar also provided a timely opportunity to share knowledge and experiences on the educational and training dimensions of enhancing the employability skills in youth. It also facilitated the discussion of policy tools, the coordinating mechanisms and the scope of national educational and training strategies to deal with employment opportunities in Bangladesh.

The following speakers were invited to the event to share their insights: (1) Prof. Yousuf Mahbulul Islam, PhD. (Vice Chancellor, Daffodil International University); (2) Ms. Kazi Roushan Ara (Executive Director, Leathergoods and Footwear Manufacturers & Exporters Association of Bangladesh) and (3) Mr. Fahim Mashroor (CEO, Bdjobs.com Ltd.).



participants during the classroom sessions



Parts of a Vertical Farm

It an honor and great privilege for us and our company, Philamlife Insurance Group to be part or your training session for the banks and financial industry members of Nepal. We have been given the opportunity to share with you and your distinguished guests our services and functions in the financial industry. We are looking forward to participate if given a chance again.



Susan P. Alfonso
Financial Advisor
Philamlife Insurance Co.

The warm hospitality provided to us by the Director General Dr. Ramhari Lamichhane, Projects and Consultancy Division, other CPSC Staffs and the homely environment at CPSC was remarkable and a great support for the successful completion of the training program on June 17-21,2019 organized by BFIN and CPSC for the Board of Directors of Banks and Financial Institutions of Nepal.



In this regard, we would like to host another training program with Colombo Plan Staff College(CPSC) for Board of Directors on August,2019 in order to strengthen our relationship and open the path for the other collaborative training programs upon the signing of the MoU between BFIN and CPSC.

Ms. Ruby Bhattarai
Program Coordinator
Banking Finance and Insurance Institute of Nepal Ltd (BFIN)

We made a right choice to request CPSC for the coordination of the study tour and they made the right choice of place and institute which served our purpose.



Karma Dorji
Senior Program Officer
Ministry of Labor and Human Resources (MoLHR)
Bhutan

Thank you to you, your team and the Director General for his kind words. You have put in a great amount of work in organizing the visit of Bhutanese officials to Australia and its has been a great result.



It is a great honor to be involved in these important events that help build knowledge and capacity of TVET Education, but also develops a stronger Vocational Educational system across our region that will help people gain experience and further opportunities.

The team from AST looks forward to being part of the next one.

Ben Robins
Senior Director Partnerships
Access Skills Training, Australia

Integration of Technopreneurship...continued from p.13

National Seminar on 21st Century Skills for TVET

A total of 68 participants participated in the National Seminar on 21st century Skills for TVET held at the Distance Learning Center in Colombo, Sri Lanka on June 20, 2019. The half-day engagement was held through the collaboration between the Colombo Plan Staff College and Department of Technical Education and Training (DTET), Sri Lanka. The purpose of the seminar is to create a platform for the academicians and practitioners to exchange ideas and experiences.

It is also organized to capitalize on the opportunity for the TVET system to collaborate with industry and to work together to prepare the skilled work force., particularly on gaining essential skills for 21st Century such as, but not limited to: collaboration & team work, creativity & imagination, critical thinking, problem solving, flexibility & adaptability, global & cultural awareness, information literacy, leadership, civic literacy & citizenship, social responsibility & ethics, initiatives, technology literacy, and oral & written communications.

An opening session was chaired by the Dr. T. A. Piyasiri, Vice Chairman, National Education Commission (NEC). He also expressed the need of 21st Century skills to the TVET graduates, which ultimately contribute to be a successful technopreneurs.

The following speakers graced the event and imparted the local insights pertaining to the abovementioned topic: (1) Mr. Christopher Joshua, Managing Director of Access Engineering PLC; (2) Mr. Sathika De Silva, Managing Director, Org Analytics Pvt. Ltd. and (3) Mr. Janaka Jayalath, Deputy Director General of the Tertiary and Vocational Education Commission.



Seminar participants during one of the sessions.

Shared Vision 2023

The Inter-governmental TVET Leader for Sustainable Development

Mission

*Transforming TVET towards Sustainable Societies through
Outcome-Based Quality Training, Accreditation, Research
and Image Building for stakeholders*



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