

April - September 2020: Volume 31 Issue No. 2, ISSN 0116-5372

ADAPTING TO THE NEW NORMAL: CPSC PROGRAMS CONTINUE ONLINE DESPITE GLOBAL PANDEMIC



First GB Virtual Meeting • Webinars, Covid-19 response • RP on Strengthening TVE Instructional Management • RP on Digital Competencies • Customized programs with TESDA Mimaropa • Research in TVET a Practical Guide • STEPS 4th

TABLE OF CONTENTS

Cover: Adapting To The New Normal: CPSC Programs Continue Online Despite Global Pandemic From the Director General's Desk **GB NEWS** • CPSC Governing Board Conducts First Virtual Gb Meeting. 4 **PROGRAMS** Regional Program · CPSC Taps its Strength in ICT to Organize Region-wide Webinars During · Regional Program on Strengthening TVET Instructional Management Online Regional Program Aims to Equip TVET Professionals with Digital Competencies to Address the Industrial Revolution 4.0 8 **Special Program** · CPSC and DEAN Collaborates to Organize a Webinar on TVET Education **Customized Program** · CPSC Adapts New Normal, Virtually Trains Malaysian, Filipino TVET ITESDA MIMAROPA Zooms in CPSC's Online Training on Project Management, Monitoring & Evaluation and APAC......11 · CPSC Director General Imparts his Knowledge on TVET as a Keynote · CPSC Faculty Specialist Graces PVTC-Pakistan National · CPSC Director General Shares Insights on TVET Education in the ASEAN amidst the Pandemic at the Don Bosco Network Webinar . . 14 · CPSC Director General Speaks About Online Teaching and Learning Management to the Webinar Organized in Nepal 15 · NAVTTC, Pakistan Invites APACC to Share Overview and Processes · CPSC Director General Presents about Problem-Based Learning in a · CPSC participates in ADB Webinar on Establishing and Managing TVET · CPSC Director General Takes Part in TESDA TVET Policy · NLive Webinar in Nepal Invites CPSC Experts to Discuss Quality · CPSC Director General Presents a Paper on TVET in the Context of COVID-19 at the 1st NRN Asia Pacific Knowledge Convention. 20 · CPSC Director General Presents a Paper on TVET in the Context of COVID-19 at the 1st NRN Asia Pacific Knowledge Convention. 21 APACC APACC conducts its first online Accreditors' Training.
 20



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

Manila, Philippines

The CPSC Quarterly serves as a medium for convergenceand 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.

Articles and materials published in the CPSC Quarterly may be reproduced or reprinted without prior permission unless they are reprinted from other sources.

Copies are distributed free to HRD practitioners, international organizations and partner institutions in the member countries and elsewhere. All manuscripts and editorial correspondence should be sent to:

The Editor-in-Chief
CPSC Quarterly
Colombo Plan Staff College (CPSC)
Building Block C, DepED Complex
Meralco Avenue, Pasig City 1600
Metro Manila, Philippines
Tel. Nos.: (+63-2) 631-0991, 93 to 95
Fax Nos.: (+63-2) 631-0996 or 633-8425
E-mail: cpsc@cpsctech.org
http://www.cpsctech.org

Editorial Board

Dr. Ramhari Lamichhane Director General Editor-in-Chief

Rae Emmanuel Echaveria Associate Editor

Adrienne Abril Felice Jeanine Marquez Contributing Writers

Aba Bernadine Lim Graphics and Layout Designer

> Felix Sibal Joshua dela Cruz Multimedia Support

2



Dear Readers,

The ongoing Covid-19 pandemic caught us off-guard in the sense that we have not anticipated the long-term impact that lockdowns, travel bans and restricted mobility may cause to our professional and personal lives. We started 2020 with a positive mindset and because of this global health emergency, we are taking the necessary precautions in order to keep us and our loved ones safe.

Despite these challenges, CPSC is still continuing to implement its programs and services by fully tapping its online resources to reach out to its stakeholders without the need for a face-to-face interaction. For this period, we have launched numerous webinars, online programs and virtual customized programs that cater to different needs and tackle different issues. For these first six months alone, we have conducted webinars on various issues ranging from TVET management, financial management, digital TVET and even the development of 21st century skills.

In addition, we have organized online regional programs on TVET Instructional Management and Digital Competencies to Address the Industrial Revolution 4.0 - relevant programs that tapped experts to further equip TVET professionals with the necessary skills to tackle learning during the pandemic.

As we are presently working remotely from our respective countries, me and my faculty members grabbed the opportunity to be with relevant TVET organizations through online means to speak about the recent developments in TVET. I was invited in key engagements online such as the Don Bosco Network Webinar in July, the Edutech Philippines Online Webinar in September and Nepal's 8th Science Day, also held in September. In addition, our faculty members were invited by respective organizations from Bangladesh, Pakistan and Nepal to discuss various issues as guest speakers or resource persons.

However, the pandemic is still looming and the challenges that it present will continue to persist for a long time. Meanwhile, let me continually remind you to stay at home and limit outside engagements as often as possible, wear face masks, practice social distancing and avoid large gatherings. Our small contributions will matter a lot in keeping ourselves and our communities safe so that we can all return to our normal lives again as soon as possible.

Truly yours,

Ramhari Lamichhane, PhD

Director General



109th GBM Members and Representatives (L-R); (First Row) Dr. Ramhari Lamichhane, CPSC Director General; Ms. Casey Alvarez, CPSC HR Officer; H.E. Norman Bin Muhamad, Ambassador Extraordinary and Plenipotentiary, Embassy of Malaysia and GB Vice-Chairperson; Mrs. Tankamol Chimme, Policy and Planning Analyst of the Office of Vocational Education Commission representing the Royal Thai Embassy; H.E. U Lwin Oo, Ambassador Extraordinary and Plenipotentiary, Embassy of the Republic of the Union of Myanmar; (Second Row) H.E. Betty Palaso, Ambassador Extraordinary and Plenipotentiary, and Plenipotentiary, Embassy of the Independent State of Papua New Guinea; Ms. Manisha Swami, Charge d' Affaires, a.i., Embassy of the Republic of India and GB Chairperson; Ms. Saadia Awan, Charge d' Affaires, a.i., Embassy of the Republic of India and GB Chairperson; Ms. Saadia Awan, Charge d' Affaires, a.i., Embassy of the Democratic Socialist Republic of Sri Lanka; Ms. Lina C. Sarmiento, Deputy Director General for TESD Operations, Technical Education and Skills Development Authority, Philippines; (Third Row) Ms. Rosalinda Gonzales, CPSC Finance Officer; H.E. Asad Alam Siam, Ambassador Extraordinary and Plenipotentiary, Embassy of the People's Republic of Bangladesh; Ms. Emma R. Sarne, Director for Socio-Cultural Division, United Nations and International Organizations – Department of Foreign Affairs (DFA-UNIO); Ms. Maria Susan P. Dela Rama, Executive Director – Certification Office, Technical Education and Skills Development Authority, Philippines; Mr. Jan Michael Marasigan, CPSC Executive Secretary; (Fourth Row) Mr. Felix Sibal, CPSC ICT Officer; H.E. Gerard Ho Wei Hong, Ambassador Extraordinary and Plenipotentiary, Embassy of the Republic of Singapore.

CPSC GOVERNING BOARD CONDUCTS FIRST VIRTUAL GB MEETING

The CPSC Governing Board (GB) conducted its very first virtual GB Meeting on June 25, 2020 via Zoom video conferencing. The shift from physical into a virtual meeting was to ensure the health and safety of the attendees amidst the COVID-19 pandemic. The 109th GB Meeting had a complete attendance from all of the Board members and the CPSC secretariat, who discussed and deliberated on some important agenda items such as the Annual Report for Fiscal Year (FY) 2019-2020, Operational Plan and Budget Proposal for FY 2020-2021, and the Announcement of the Recruitment of the 12th CPSC Director General.

After adopting the provisional agenda and reprising the Board of the details of the 108th GBM including the actions taken on some Board decisions, CPSC Director General Dr. Ramhari Lamichhane proceeded in presenting the achievements and milestones of CPSC for FY 2019-2020 through the Annual Report. CPSC's initiative of harnessing of the virtual platform through the Webinar Series and Online Regional Program was one of the highlights of the report. This was well-appreciated by the Board, and was recommended to be continued to be able to reach out to a wider audience not only in the member countries but to other interested individuals as well.

continued on p.8



CPSC Taps its Strength in ICT to Organize Region-wide Webinars During the Global Lockdowns caused by Covid-19

he Colombo Plan Staff College was one of the many international organizations in the Philippines that closed its physical operations in its headquarters in Manila, Philippines at the onset of the ongoing global pandemic of SARS-CoV-2. Popularly known as Covid-19, it has already infected nearly 50 million people and has caused the death of at least a million. It has also caused numerous restrictions in the mobility of people, ban on all forms of travel, and strict measures to monitor and quarantine communities to further mitigate the spread. The Philippine government has imposed a total lockdown of all physical activities in the country from April to June 2020 and has since downgraded its quarantine protocols as of press time. However, strict measures on physical distancing and ban on large gatherings are still in place to further prevent the transmission of the virus and cause more deaths.

With training and development at the heart of CPSC's operations, the ongoing pandemic had a profound effect on its working protocols. It has since then tapped its strength in ICT and its learning management systems to continue delivering webinars and services to its trainees and clients, which are now increasingly connected to the internet and has since availed of the benefits of virtual learning as a way to cope with the different lockdowns imposed by the governments in the region.

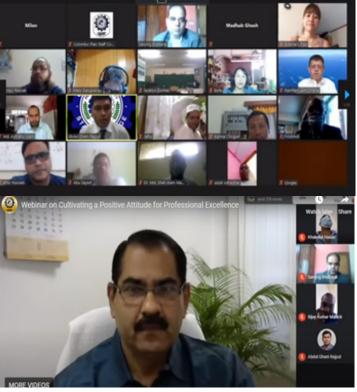
For a period of April 1, 2020 until June 30, 2020, CPSC's Professional Team has organized a total of 27 webinars. The details of these webinars are indicated below:

Code	Webinar Topics	Registered Participants	Total Attendance	Attendance Percentage
WEB01	Readiness of TVET towards IR4.0	82	65	79.27%
WEB02	DACUM Process	372	207	55.65%
WEB03	Lesson Plan Development for TVET Teachers	459	248	54.03%
WEB04	Workforce Development through Credible CBT Assessment	662	331	50.00%
WEB05	ICT Application in Teaching and Learning	861	502	58.30%
WEB06	Teacher to Educational Leader	1841	1074	58.34%
WEB07	Blue Ocean Strategy for TVET Institute Management	886	658	74.27%
WEB08	Quality Management System of TVET Institute through APACC Accreditation	1229	840	68.35%
WEB09	Test Items Development Techniques for TVET Teachers	1373	1016	74.00%
WEB10	Digital Innovation in TVET Sector to Enhance NVQF	1245	901	72.37%
WEB11	Revised Taxonomy of Learning Domains and its Implication in TVET	1081	918	84.92%
WEB12	Redefining Learning Spaces – Change Agent in Educational Ecosystem	1150	1044	90.78%
WEB13	Supervision and Monitoring of TVET Classroom Delivery	1316	1153	87.61%



Code	Webinar Topics	Registered Participants	Total Attendance	Attendance Percentage
WEB14	Role of TVET Schools in Bridging the Gap in Workforce Development	1317	1132	85.95%
WEB15	Digital Technology and E-Based Learning in TVET	1803	1333	73.93%
WEB16	Cultivating a Positive Attitude for Professional Excellence	2191	1695	77.36%
WEB17	Development of Online Teaching and Learning Resources Using ICT	2249	1928	85.73%
WEB18	Soft Skills Development of TVET Graduates in the Age of IR 4.0	1760	1458	82.84%
WEB19	Entrepreneurship in TVET	2170	1532	70.60%
WEB20	Branding and Image Building of TVET Institution and Program	1996	1575	78.91%
WEB21	Effective Instructional Skills for TVET Teachers	2115	1747	82.60%
WEB22	Developing Green Skills to Produce Skilled Workers for Sustainable Development	2627	2035	77.46%
WEB23	Strategic Planning and Management for Development of TVET Institutions	2904	2114	72.80%
WEB24	Business Incubation Centre in TVET Institutions	1699	1479	87.05%
WEB25	Vocational Excellence in the time of COVID19	1949	1404	72.04%
WEB26	Career Counseling and Vocational Guidance Skills	2013	1407	69.90%
WEB27	New Dimensions of TVET with Innovation and Technopreneurship	2485	1878	75.57%





Mr. Steven McKee of Labtech giving a lecture during a webinar on Digital Innovations;; Dr. Lamichhane entertaining the queries of the participants during the webinar on branding and image building of TVET; Dr. Rajesh Khambayat of PSSCIVE India sharing his insights about cultivating a positive attitude for professional excellence.



Regional Program on

Strengthening TVET Instructional Management System Held



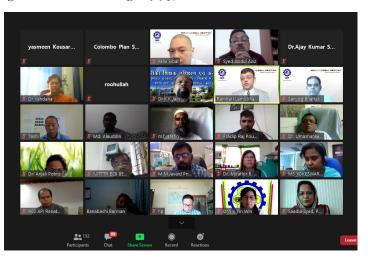
espite the challenges brought upon by the ongoing coronavirus pandemic that has hampered travel and face-to-face interaction among people, the Colombo Plan Staff College has continued in using its existing learning management system combined with the latest technology to reach out to its stakeholders during this very difficult crisis.

Thus, it successfully held a Regional Program on Strengthening TVET Instructional Management System using online channels last July 13-17, 2020 with the whole proceedings were conducted via Zoom. A total of 159 participants from Bangladesh, Bhutam, Fiji, India, Malaysia, Maldives, Myanmar, Nepal, Pakistan, Papua New Guinea, Philippines, Sri Lanka and Thailand, as well as from CPSC's partner organizations such as the Institute of Diploma Engineers Bangladesh (IDEB), Diploma Engineers Association of Nepal (DEAN) and IRPC Technical College Thailand (IRPCT) attended the program.

The 5-day online regional program equipped the TVET teachers with instructional strategies, methods, and instructional skills together with the planning skills, test items development skills, and supervision & monitoring skills. This regional program aims to provide in-depth knowledge and skills on instructional management and high impact classroom delivery.

The participants were able to understand the concept of instructional management. They were able to develop an instructional design and lesson plan. They were also able to apply and implement an effective online instruction, as well as understand the supervision and monitoring of teaching processes. One of their outputs also involved the development of assessment and evaluation plan and test Items.

Overall program supervision was managed by the Director General, Dr. Ramhari Lamichhane while the main coordination and resources were provided by CPSC Faculty Specialist, Engr. Sanyog Bhattarai. Another Faculty Specialist from CPSC, Engr. Abdul Ghani Rajput, was also invited to the program as a resource speaker. The program was highly appreciated by the participants for its design, relevance and effectiveness. It has gained an overall rating of 94.57% out of 100%.



Screenshot of the participants



Online
Regional Program
Aims to
Equip TVET
Professionals
with Digital
Competencies
to Address
the Industrial
Revolution 4.0



n online regional program, held via Zoom, was organized from August 24-28, 2020 and involved a total of 125 TVET professionals from the different CPSC member countries.

The program discussed the dynamics of IR 4.0 and its disruption in TVET. It also identified the digital competencies to address IR 4.0 and explored the online tools to develop digital competencies in TVET, as well as authoring tools used in TVET. At the end of the five-day online program, the participants were able to understand the concepts of IR 4.in developing a comprehensive plan to develop TVET in the context of IR 4.0. They were also able to strengthen the capacity of their institutions on equipping digital competencies in TVET.

Supervising the program is Dr. Ramhari Lamichhane, Director General of CPSC. Providing the resources as the program coordinator is Engr. Abdul Ghani Rajput, CPSC Faculty Specialist. Engr. Sanyog Bhattarai, CPSC Faculty Specialist, is also invited as an additional resource person.

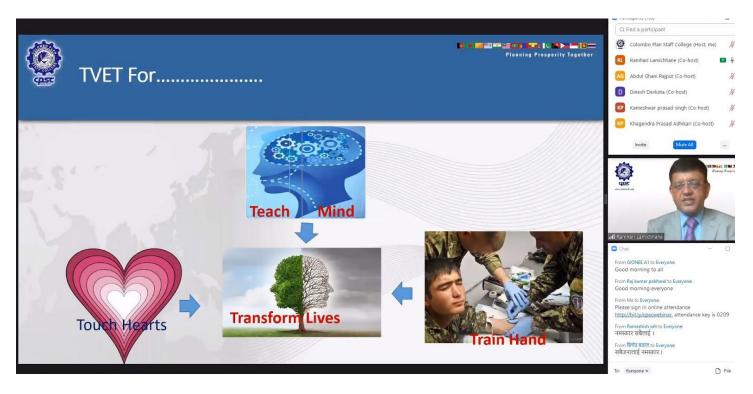
The program was appreciated well by the participants and many insights were taken from the lectures and tasks presented.

CPSC Governing Board ...continued from p.4

The deliberation on CPSC's Operational Plan and Budget for FY 2020-2021 ensued, wherein consolidated activities of the Staff College for the incoming year based on its Corporate Plan 208-2023, and the corresponding budget necessary to implement these were presented to the Board. Receiving no objections, the activities and budget were approved. The Board then tackled the details of the planning and timeline for the recruitment of the 12th CPSC Director General (DG), who will be replacing the outgoing DG in 2021. The Board also formed the Screening and Recommending Committee.

As CPSC's Fiscal Year concludes, the turn-over of the Governing Board's Chairperson and Vice-Chairperson Posts are relinquished to the new set of officers during the virtual meeting. The Valedictory Address of the outgoing Chairperson, H.E. Jaideep Mazumdar, was delivered by the Charge d'Affaires, a.i. of the Embassy of the Republic of India Ms. Manisha Swami, wherein he thanked the Board and Secretariat for their support during his term, which was reciprocated with The appointment of the new set of officials with H.E. Norman Bin Muhamad of the Embassy of Malaysia as the new Chairperson and H.E. U Lwin Oo of the Embassy of Myanmar as the new Vice-Chairperson followed. Acceptance speeches from the new officers were delivered, and were proceeded with congratulatory messages from the Board members.





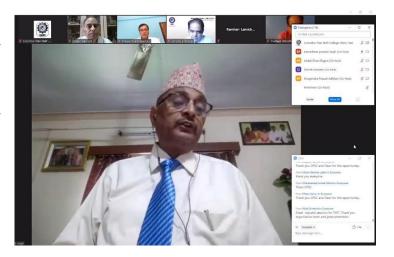
CPSC and DEAN Collaborates to Organize a Webinar on TVET Education in the Context of COVID-19

In order to make sense of the different strategies for TVET to continue and thrive despite the threat of the global pandemic that has affected the world this year, the Colombo Plan Staff College and the Diploma Engineers Association of Nepal (DEAN) co-organized a webinar on "TVET Education in the Context of Covid-19" on September 2, 2020 at 8:00 AM (Nepal Time; 10:15 Philippine Time). The seminar involved a total of 64 participants from Bangladesh, Indonesia, Myanmar, Nepal, Pakistan, Philippines and Sri Lanka.

The webinar tackled the strategies to bridge the ongoing interruptions of learning due to the closure of schools. It also enabled the rethinking of mindset changes in the post COVID-19 recovery and how vocational excellence approaches are validated even in the time of COVID-19.

The keynote speaker for this program is CPSC Director General, Dr. Ramhari Lamichhane who discussed the TVET in the Context of Covid-19 in Nepal. Meanwhile, the CPSC Faculty Specialist, Engr. Abdul Ghani Rajput, discussed the distance learning during Covid-19 and key experiences and examples from Pakistan.

Panelists from Nepal include Mr. Rajendra Prasad Adhikari, Adviser to DEAN and a procurement contact management and dispute resolution expert; Mr. Khagendra Prasad Adhikari, the Vice Chairperson of CTEVT and Mr. Dinesh Devkota, a visiting professor from the Central Department of Environmental



Science Tribhuvan University (CDES-TU) and Policy Adviser for the Integrated Development Society (IDS) Nepal. They discussed the strategies on making TVET better in Nepal in light of the present global crisis, the challenges in training the youth of Nepal during the pandemic and the recommendations in further strengthening the economy of Nepal after the global pandemic, respectively.

The seminar was concluded by Dr. Lamichhane and the Chairperson of the Webinar session and President of DEAN

continued on p.14



CPSC Adapts New Normal,

Virtually Trains Malaysian, Filipino TVET Professionalson Research Methodology



In keeping attuned with the "New Normal", the Colombo Plan Staff College (CPSC) successfully concluded a virtual training on Research Methodology in TVET from July 27-30, 2020 via Zoom, a first for its Open Registration Program category.

Twenty-one (21) TESDA, Malaysian polytechnic and community college professionals enhanced their knowledge and skills on research methodology which include developing research proposal and preparing research questionnaire during the program. The participants were mostly composed of assistant professors, instructors, administrative officers, instructors, lecturers and training heads, while a few were deputy directors and senior assistant directors.

Dr. Ramhari Lamichhane, CPSC Director General, Program Supervisor and Resource Person during the program, congratulated the participants for their active and fruitful participation during the training. As a learning takeaway, Dr. Lamichhane encouraged the participants to start drafting their research proposals, proposals that are very simple, as simple as proposals for green campus, and added that it does not have to be a very complicated one, the simpler the proposal the more doable and more beneficial for the institution.

Engr. Abdul Ghani Rajput, Program Coordinator and Resource Person, shared his delight that despite the pandemic, the institutions and the academe in both countries showed enthusiasm in joining the program by sending their professionals. He said that when CPSC conceptualized and designed the program, it was visualized that many would be interested to inculcate the research culture in the academe. Indeed most of the TESDA institutions in the Philippines and the polytechnic and community colleges in Malaysia sent their educators for the research learning.

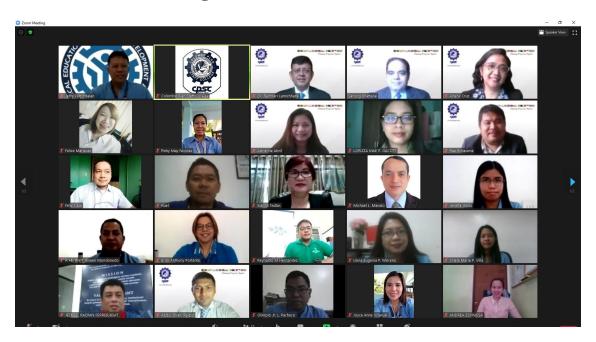
Other Resource Persons also included, Mr. Sanyog Bhattarai, CPSC Faculty Specialist and Mr. Rae Emmanuel Echaveria, CPSC Research, Publications and Information Officer who both shared specific techniques on research with the participants.

CPSC affirmed through the program that in the midst of the current health crisis worldwide, it remains to be the gateway for the professional development and success of its stakeholders.



TESDA MIMAROPA Zooms in CPSC's Online Training

on Project Management, Monitoring & Evaluation and APAC



The Technical Education and Skills Development Authority (TESDA) Region IV-B (MIMAROPA), Philippines maximized new normal of online training by collaborating with the Colombo Plan Staff College (CPSC) for a 3-in-one program. CPSC, in cooperation with TESDA Region IV-B organized a Customized Program on Assuring TVET Institutes' Quality through Results-Based Project Management and M&E from August 10-19, 2020 via Zoom.

The program trained a total of 22 Vocational School Administrators, Professors, Instructors and Administrative Officers coming from five institutions namely, Buyabod School of Arts and Trades (BSAT), Marinduque; Puerto Princesa School of Arts and Trades (PPSAT), Palawan; Romblon National Institute of Technology (RNIT), Romblon; Simeon Suan Vocational and Technical College (SSVTC), Oriental Mindoro and Torrijos Poblacion School of Arts and Trades (TPSAT), Marinduque, Philippines.

The 8-day program tackled three areas such as results-based project management, monitoring and evaluation (M&E) and on the Asia Pacific Accreditation and Certification Commission (APACC). The program was specifically designed and organized for the participating institutions' teams to: understand the concepts and processes of project management, develop a project

proposal with logical framework, understand the results-based monitoring and evaluation (M&E) system, develop an M & E plan and understand quality management systems through APACC accreditation.

Dr. Ramhari Lamichhane, CPSC Director General, who was at the helm of the overall conduct and supervision of the program officially concluded the program and imparted some advices in his Closing Remarks. He encouraged the participants to apply and even replicate their learnings on project management, M&E and APACC throughout their daily lives and institutional operations. He said that the true measure of the successful outcomes of the program are proof of major changes and new improvements in the learning environments in the institutions, which he hoped to see when CPSC visits the institutions. He added that "CPSC is eager to see outcomes and impacts of this training." He expressed his deep gratitude to the TESDA Director General and all the competent teachers and administrators of TESDA institutions within its purview that makes TESDA well-known globally.

Mr. Sanyog Bhattarai, Program Coordinator and Resource Person, in his Vote of Thanks thanked the participants for their cooperation and hard work for the whole duration of the 8-day program. He wished that the participants will apply the skills they have learned. He also extended CPSC's appreciation to

continued on p.14



CPSC Director General Imparts his Knowledge on TVET as a Keynote Speaker to the PSSCIVE-India National Webinar

The PSS Central Institute of Vocational Education (PSSCIVE) invited CPSC's Director General, Dr. Ramhari Lamichhane, as a Keynote Speaker to the National Webinar on "Repositioning TVET Post Covid 19: New Approaches and Solutions". This event was conducted on July 6, 2020 via Zoom virtual meeting.

The National Seminar recognizes CPSC's valuable contribution to the development and promotion of Technical and Vocational Education and Training (TVET) in India and the Asia-Pacific region. It also recognizes its role as a clearinghouse of TVET information, especially at this time in which online platforms are recognized as a viable alternative to face-to-face meetings in light of the social distancing measures implemented globally. The National Webinar was envisioned to be a platform to discuss the challenges of repositioning TVET for skilling people. It was also organized to showcase the efforts and initiatives undertaken by various organizations in preparing the youth for

the future. It also tackled the professional development of TVET teachers in the context of the post-Covid 19 scenario.

Dr. Lamichhane's presentation, entitled "TVET in the Context of COVID-19: Challenges and Opportunities", he discussed the overall impact of COVID-19 in TVET, the challenges and opportunities for TVET in light of this global problem, initiatives by different countries in managing online classes, and the recommendations on implementing online learning through various platforms. Coinciding with PSSCIVE's 27th Foundation Day, the National Webinar also featured distinguished speakers from various organizations and institutions. It was able to reach a very wide audience with around 1,054 participants, and was covered by a major newspaper in India.



CPSC Faculty Specialist Graces PVTC-Pakistan National Webinar as Keynote Speaker

Recognizing CPSC's valuable contribution to the development and promotion of Technical and Vocational Education and Training (TVET) in Pakistan and the Asia-Pacific region, the Punjab Vocational Training Council (PVTC) invited CPSC Faculty Specialist, Engr. Abdul Ghani Rajput, as a keynote speaker to the Webinar on "FIRe Up Tomorrow: ICT Resources for Teaching and Learning". The Webinar was conducted on July 8, 2020 via Zoom virtual meeting. The event was able to reach an audience of 1200 participants from various institutes in Pakistan as well aside from PVTC.

On his presentation entitled "FIRe Up Tomorrow: ICT Resources for Teaching and Learning", he discussed the current context, challenges in teaching and learning cycle in TVET and ICT tools to enhance the teaching and learning cycle. The Webinar also featured distinguished speakers from various organizations and institutions in PVTC and in Pakistan as well.

The Webinar was a part of PVTC online capacity building initiatives to train Regional Mangers, Area Managers, Principals, Admin and Accounts Officers, Admission and placement officers and all Instructional Staff of institutes. In Pakistan, PVTC is leading the largest online capacity building drive and life skills training drive for trainees. It envisioned to be a platform to discuss and share the ICT tools for teaching and learning cycle, particularly about Moodle – Learning Management System.

विद्यार्थियों को चाहिए गुणवत्तापूर्ण शिक्षण सामग्री

पीएसएससीआईवीई के स्थापना दिवस पर वेबिनार में एनसीईआरटी के निर्देशक ने का

भोषण्य (अपप्रदेशमा सिमोटी) गर्गाता भूकारणः जार्ग लेखी चार्यावरणिक शिक्षा संस्था (चीरस्त्यसमीकाद्रवीरी) के 27वें स्थापना विद्यस के अस्मत पर सीमारा क्षां प्रश्नीय में बेतना का अयोजन निकार गर्मा क्षिमी एक कता से अपिक लोगा जारिक शुरू स्थिति । क्षिमी का पर्य प्रशासका (श्रीकादिंग) की सुन्धान्तिक प्रशासका (श्रीकादिंग) की सुन्धान्तिक गर्माणिक इस सीमार्थ निकार पर आपोजिक इस सीमार्थ निकार में



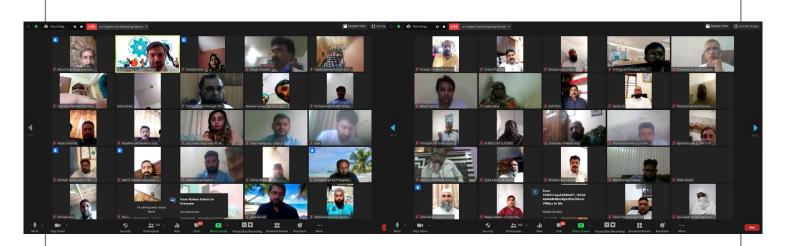
प्रसादकाटी के निवास की प्रसादकाटी कर निवास की स्वाप्त के संख्यान के संबुक्त निवास की प्रसादकाटी की संख्यान के संबुक्त निवास की उत्तर पुरा होंगे प्रसादकाटी की प्रस्तिकाटी की प्रसादकाटी की प्रस्तिकाटी की प्रसादकाटी की प्रसादकाट

विनय स्कार मेहरोता ने लिंग आपती संस्थान नार्योग ने नाम निक्र किलाग आपती संस्थान कोश्य के केदन में इसे शोध कह गुजना नो ने बाद कर करती. हैं अनुसारत त हैं। तेश में बात की कुछ सार्यों केदन की मुख्य मनत पुलेशन-पुले के प्रतान गुणनामुखें अनुसारत कुछ सार्यों के पूर्व प्रमुख जै. रच अनुसारत कुछ सार्यों के पूर्व प्रमुख जै. रच अनुसारत कुछ सार्यों के पूर्व प्रमुख जै. रच अनुसारत कुछ सार्यों के स्वावना कुछ सार्यों

त ने अंति लोगों के भी स्वाय कर सामने हैं। एंग्लिक होंगा के प्रति कर में एंग्लिक कर है से संस्था कर है से संस्था कर है से संस्था कर है से संस्था कर है से स्थान कर है से स्थान कर है से स्थान में अपने कर है। एक्सी लोगों है से स्थान है से स्थान कर है। स्थान से स्थान कर स्थान कर स्थान कर स्थान स्थान कर स्थान स्थान स्थान से स्थान है। से स्थान स्थान स्थान से स्थान स

> श आवान-प्रवान कर। इनोंने भी सारा। फिर्म विश्व







CPSC Director General Shares Insights on TVET Education in the ASEAN amidst the Pandemic at the Don Bosco Network Webinar

CPSC and DEAN Collaborates ...continued from p.9

Nepal, Engr. Kameshwar Prasad Singh. They expressed their optimism about the program's success and applicability especially in confronting the problem of Covid-19 in the region. Moderating the session is CPSC Faculty Specialist, Engr. Sanyog Bhattarai.

TESDA MIMAROPA Zooms in CPSC's ...continued from p.11

TESDA Region IV-B Regional Director Mr. Gamaliel Vicente, Jr. and all the officials of each institution namely: Dr. Sianita Tadlas - OIC and Acting Vocational School Administrator (VSA), PPSAT, Mr. Israfel Mangui, VSA II, SSVTC, Mr. Joey Morales, VSA, BSAT, Mr. Elveen Mondonedo Acting VSA, RNIT and Ms. Teresita Ferrer, Acting VSA, TPSAT. He further urged the participating institutions to pursue applications for APACC.

CPSC Resource Persons who provided inputs and insights about the topics also included, Engr. AbduI Ghani Rajput, Faculty Specialist, Mr. Rae Emmanuel Echaveria, Research, Publications and Information Dissemination Officer, and Ms. Adrienne AbriI, APACC Officer. The program via online platform managed to be as interesting and engaging for the participants through interactive activities introduced by the resource persons which innovated the virtual delivery of the program.

The CPSC Director General, Dr. Ramhari Lamichhane, imparted his knowledge and expertise as the Special Guest Presenter at the Virtual Training on Developing a Learning Continuity Plan on July 24, 2020 via Zoom Virtual Meeting.

Organized by the Don Bosco – One TVET Philippines Inc. for the Don Bosco TVET Institutions from ASEAN region and GIZ-RECOTVET network, the webinar aims to delve into the impact of the COVID-19 pandemic in various sectors of the community particularly in the TVET sector, and how institutions cope with the changes brought about by the pandemic.

Through his presentation on "Impact of COVID-19 Pandemic on TVET in the ASEAN/Asia Pacific", Dr. Ramhari shared the consequence of COVID-19 in the TVET sector. Presently, physical training and classes, which are some of the main activities of TVET institutions, are halted due to lockdowns and physical distancing.

He also tackled the effect of the pandemic on the global job market, including sectors which are predicted to have a decrease and increase in employment opportunities. He also shared some initiatives, strategies and novel ideas by different countries and institutions on how to adapt with the changes in order to continuously deliver quality education and training to the stakeholders. He concluded his presentation by imparting the ways on how to utilize different online and virtual platforms in delivering information and services to the different TVET stakeholders.

Key officials of the Don Bosco – One TVET Philippines Inc. were also present at the webinar, including Executive Director Fr. Jose Dindo Vitug, SDB; Deputy Executive Director Dr. Marc Laurenze Celis; National Compliance Officer Mr. Neil Apollo Dichoso; Don Bosco Tech ASEAN Country Representative Bro. Ephrem Santos (Indonesia); and Project Manager of Don Bosco Mondo Mr. Sebastian Schuster (Germany).

CPSC Director General Speaks About Online Teaching and Learning Management to the Webinar Organized in Nepal

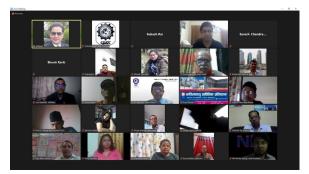
The Director General of Colombo Plan Staff College (CPSC), Dr. Ramhari Lamichhane, enlightened a total of 194 members of the Lions Club International, Nepal as well as participants from other countries about the intricacies and rubrics of delivering online teaching and learning management. The meeting was conducted online via Zoom on August 8, 2020 at 4:30 PM, Nepal Time. The online event was also streamed live by the NP Media Group, one of the leading news organizations in Nepal.

The program was organized by the Lions Club of Kathmandu Swayambhu Town in which the CPSC DG is one of the founders. It is also in association with CPSC and Lions Club International, Nepal. It aims to further spread the knowledge of online learning management to Nepal in light of the cancellations of social activities due to the coronavirus pandemic. The program was chaired by the current president of the Lion's Club Kathmandy, Mr. Kulnidhi Adhikari and was facilitated by the first president of the Lions Club Swayambhu Town and Principal of Rising Star School and College of Management, Kathmandu, Mr. RB Adhikari.

In addition to Nepalese participants, directors and educators from Bangladesh, Pakistan, Philippines, India and Bhutan were also present during the online session to share their thoughts and experiences in delivering online learning as well as to listen to the presentations.



Official online advertisement of the event.



NAVTTC, Pakistan Invites APACC to Share Overview and Processes During the Online Training for Accreditation Assessors

At the invitation the National of Technical Vocational and **Training** Commission (NAVTTC), Pakistan, the Asia Pacific Accreditation and Certification Commission (APACC) shared its processes and best practices during the Online Training of Accreditation Assessors under Hunarmand Pakistan Project (Batch-IV) held from September 15 - 17, 2020. The above-mentioned project requires a number of certified assessors in order to accredit 2,000 technical and vocational education and training (TVET) institutions

continued on p.18







CPSC Director General Presents about Problem-Based Learning in a Remote Setting at EuTECH Philippines 2020

Colombo Plan Staff College (CPSC) Director General Dr. Ramhari Lamichhane shared his knowledge and expertise as one of the speakers at the EduTECH Philippines 2020 held online on August 17-18, 2020. Under the Higher Education Conference cluster, Dr. Ramhari delivered a presentation on "Extending and Adapting Problem-Based Learning (PBL) in a Remote Setting", in which he tackles basic terms about PBL during the start of the presentation.

He then discussed more specific ideas which are shown through different media such as diagrams and video. The presentation concludes with the benefits that can be derived from this setup, as well as the ways on how to adapt PBL in a remote setting given the current situation brought about by the pandemic.

A short question and answer portion ensued together with the Conference Manager Germaine Khor.

Dubbed as the first ever virtual event for educators in the Philippines, EduTECH Philippines 2020 convened over 60 expert speakers and leading minds from head educational institutions and premier schools and universities across the country. Aimed at exploring and showcasing the latest edtech (educational technology) innovations and solutions, presentations and live panel discussions were broadcasted online for its approximately 5,000 attendees. CPSC is a continuing partner and exhibitor of the previous and current EduTECH editions, which are organized by the global events company Terrapinn.



CPSC participates in ADB Webinar on Establishing and Managing TVET Centers of Excellence

On August 27, 2020, the Colombo Plan Staff College (CPSC) Director General Dr. Ramhari Lamichhane participated in the Asian Development Bank (ADB) webinar on Establishing and Managing TVET Centers of Excellence as keynote speaker. Speakers from goldawarded Asia Pacific Accreditation and Certification Commission (APACC) institutions including Politeknik Sultan Haji Ahmad Shah (POLISAS) Malaysia, Politeknik College of Engineering and Technology (PCET) Mongolia, and TESDA Women's Center (TWC) Philippines also provided their inputs and initiatives. The webinar was attended by 52 speakers and participants from different institutions and countries. The webinar focused on three different aspects: 1) to highlight how the concept of Center of Excellence is defined in various countries; 2) to look at the criteria that define excellence along with APACC criteria; and 3) to discuss the responses of TVET institutions to the COVID-19 pandemic with particular focus on the transition towards online learning. The main findings of the study on TVET Centers of Excellence and TVET institutions' response to COVID-19 pandemic conducted by Dr. Lamichhane was shared through this webinar.

Speakers from APACC gold-awarded institutions showcased their initiatives and highlighted the important factors that made them excellent such as industry partnerships, provision of training to teachers and trainers, financial autonomy such as generating income through research and development of own products, usage of flexible learning approach in the form of blended and distance learning, and utilization of various learning methods, tools, and assessment, among others.







(From top to bottom) Ms. Amie Suhana binti Samain, Senior Lecturer/ POLISAS APACC
Secretary, Politeknik Sultan Haji Ahmad Shah (POLISAS), Malaysia; Mr. Munkhbold Badarch,
External Relations Specialist, Polytechnic College of Engineering and Technology (PCET),
Mongolia Ms. Mylene Somera. Officer-In-Charge. TESDA Women's Center (TWC). Philippines







CPSC Director General Takes Part in TESDA TVET Policy eFORA Series

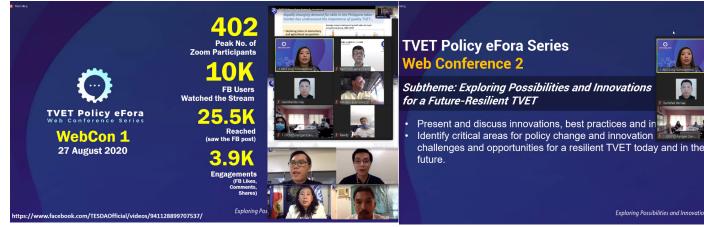
CPSC's Director General, Dr. Ramhari Lamichhane, joined the 4-part TVET Policy eFora Web Conference Series which aims to converse on the current challenges in Technical Vocational Education and Training (TVET) and industry sectors.

With the theme themed "Survive, Revive, and Thrive: Transforming TVET towards the New Normal and Digital Future", the e-Fora was part of the activities for TESDA's 26th Anniversary celebration themed, "TESDA @ 26: Bringing Hope in Time of Crisis" and is organized by the TESDA Planning Office in partnership with the Asian Development Bank (ADB) and the Philippine Business for Education (PBEd). Addressing the various concerns brought about by the COVID-19 pandemic, as well as the fast developments in technology and work environment, the series will present current TVET situationers, local and international TVET-related initiatives,

and strategies for employment and productivity in the public and private sector.

The e-Fora also served as a venue for discussion and knowledge-sharing on TVET frameworks and policies that should be prioritized, realigned, or created to enable workers and businesses to recover and bounce back

Distinguished experts from the academe, national government agencies (NGAs), and various industries comprised the panel that provided their insights to the presentations and forum topics. The main eForum was also attended by TVET experts from the Association of Southeast Asian Nations (ASEAN), other international organizations, and all industry sectors in the Philippines.



Subtheme: Exploring Possibilities and Innovations

Present and discuss innovations, best practices and in Identify critical areas for policy change and innovation

NAVTTC, Pakistan Invites APACC ...continued from p.15

in the next two years, hence the conduct of the online training program.

Engr. Abdul Ghani Rajput, APACC Accreditor and Colombo Plan Staff College (CPSC) Faculty Specialist represented APACC and discussed the general overview including the history, characteristics, organization, process of accreditation and certification, criteria and corresponding points and awards, indicators of quality, fees, status report, and benefits of being APACC accredited.

Since the training was attended by assessors, he likewise shared the desirable characteristics of APACC Accreditors and the do's and don'ts before, during, and after APACC evaluations as a form of guide to them.

As an offshoot of the training and in relation with the Hunarmand Pakistan Project, NAVTTC and APACC agreed to further collaborate through APACC evaluating some TVET institutions under the purview of NAVTTC.

Live Webinar in Nepal Invites CPSC Experts to Discuss Quality Management System in Education

Experts from the Colombo Plan Staff College were invited by the Virtual EduFair 2020 organizers to talk about Quality Systems in Education on a Live Webinar held on September 8, 2020, 4:00PM (Nepal Standard Time). It was participated online by educators from Bangladesh, Pakistan and Nepal and was shown live via Facebook and Youtube, as well as from the TV channel of the NP Media Group. As of posting, the link was shared 105 times with more than 1,700 views.

Invited speakers include Dr. Ramhari Lamichhane, CPSC Director General and Mr. Rae Emmanuel Echaveria, CPSC Research, **Publications** and Information Officer. Both discussed about the Implementation Management Systems of Quality Educational Institutions and the Monitoring and Evaluation of Education in the Philippine Context, respectively. The session was managed by Mr. RB Adhikhari, Director of the Rising Star College of Management. Dubbed as the "largest education fair" in the country, the virtual forum is organized to assist the students of the different educational providers in Nepal in acquiring information about careers and other relevant knowledge.





Mr. Echaveria (left) and Dr. Lamichhane (right) during the Live Webinar.

Live Webinar on QUALITY MANAGEMENT SYSTEM IN EDUCATION



Dr. Ramhari LamichhaneDirector General
Colombo Plan Staff College



Research, Publications and Information Officer, CPSC



RB Adhikari Moderator Principal Rising Star College of Managemen

Live Webinar @ Virtual Edufair Nepal: 4:00 PM, 23rd Bhadra, 2077





Contact: 01-4518759 9851140399 9803138003 virtualedufairnepal.com



CPSC Director General Presents a Paper on TVET in the Context of COVID-19 at the 1st NRN Asia Pacific Knowledge Convention



On the occasion of Nepal's 8th National Science Day, a webinar on "Technology Transfer: Position and Prospects of RETs in Nepal" was organized by the Alternative Energy Promotion Centre (AEPC), Kathmandu University (KU), Tribhuvan University-Research Centre for Applied Science and Technology (TU-RECAST), and Renewable Energy Confederation of Nepal (RECON) on September 28, 2020 via Zoom Virtual Meeting.

CPSC Director General Dr. Ramhari Lamichhane graced the webinar as one of the presenters, wherein he laid out his insights on Greening TVET for Sustainable Development. He was joined by the former Environment, Science and Technology Minister Er. Ganesh Shah, as well as other distinguished guests and resource speakers from Nepal Academy of Science and Technology (NAST), KU, and AEPC.

The webinar tackled topics such as Nepal's current situation in terms of technological development and capabilities. It also touched on the challenges that they face in keeping up with the advances in Renewable Energy Technologies (RET). It is envisioned that through this webinar, the coherence between these stakeholders through amicable policies will be catalyzed to reap positive results for the countries. This is in light of the current system wherein activities between the academia, research centers, and the private sector is needing calibration.

APACC

APACC conducts its first online Accreditors' Training

Due to the current limitations caused by the COVID-19 pandemic, the Asia Pacific and Certification Commission (APACC) pivoted to its first online Accreditors' Training held on September 7 - 10, 2020.

The training was attended by qualified and distinguished participants from India, Malaysia, and Philippines, composed of thirteen (13) delegates with various backgrounds and expertise on TVET sectors, along with three (3) Colombo Plan Staff College (CPSC) staff members. The activity focused on the APACC criteria, indicators, and sub-indicators; the roles, responsibilities, and expected attributes as an APACC accreditor; and the involved processes and required documents before, during, and after institutional evaluation.



CPSC Director General Presents a Paper on TVET in the Context of COVID-19 at the 1st NRN Asia Pacific Knowledge Convention

In the pursuit of bringing together experts from various sector from Nepal and different international scientific communities and to examine Nepal's need for developing its financial and knowledge-based economy, the NRN (Non-Resident Nepali) Association organized the 1st NRN Asia Pacific Knowledge Convention with the theme "Knowledge Sharing among Nepalese: Challenges and Opportunities for Entrepreneurs following the COVID-19 Pandemic" on September 26-27, 2020 through Zoom Virtual Meeting.

The conference attempted to draw a great diversity of professionals and key stakeholders together from the Asia Pacific and Nepal with a focus to share

knowledge, experience, and skills. Scholars, professionals, institutions, industry practitioners, entrepreneurs, educators, as well as non-profit organizations participated in the said event.

During the conference, CPSC Director General Dr. Ramhari Lamichhane delivered a presentation on "TVET in the



Context of COVID-19 in Nepal" at the Symposium 11 (S11). With the theme "Social Development in Post COVID-19 Era", S11 focuses on the possible and necessary economic, social, and human resource transformation which will be brought about by the pandemic, and how the Nepal diaspora community can participate in the various developments and movements.

PSC Director General and APACC President, Dr. Ramhari Lamichhane, graced the training with his presence and supervision who also served as one of the resource persons. Along with Dr. Lamichhane as resource persons were the Program Coordinator Engr. Abdul Ghani Rajput and Engr. Sanyog Bhattarai, both CPSC Faculty Specialist, as well as Dr. Romulita Alto, CPSC Project-Based Faculty Consultant and seasoned APACC Accreditor. They discussed in detail the APACC Criteria and accreditation process, expected attributes of an APACC Accreditor, and shared their actual on-site visit experiences with the participants. Moreover, Ms. Adrienne Abril, APACC Officer, also served as one of the resource persons in the training and emphasized on the roles and responsibilities of the APACC team and report writing guidelines.

Participants were given group and individual tasks every after lecture and a final exam which they dutifully fulfilled to assess their learnings. The successful conclusion of the 4-day

training filled with insightful lectures and sharing was made possible by the participants' active participation and dedication which they have shown throughout the activity.



PKS officials at the automotive section of the institute

he Colombo Plan Staff College is pleased to announce the following publications that are now available for access in CPSC's websites. These publications, formulated by CPSC's faculty and staff, aim to further supplement the information on TVET and help give practical information to TVET practitioners by expanding their knowledge base.



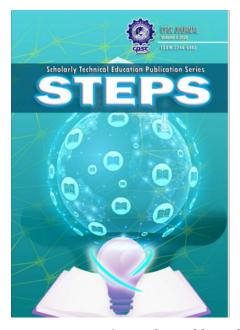
RESEARCH IN TVET A PRACTICAL GUIDE

Contributors: Dr. Ramhari Lamichhe, Engr. Sanyog Bhattarai, Engr. Abdul Ghani Rajput, Ms. Adrienne Abril, Mr. Rae Emmanuel Echaveria

This publication supplements CPSC's own publication entitled, "Research in TVET Made Easy, which was launched in 2009. As the former tackles the general practice of doing research, this recent publication is specific and direct in its approach.

As it is composed in view with the general concerns of TVET practitioners, the cases and information indicated in this publication can be generally applied to research situations without any biases on the cultural or educational background of the reader. It is designed, and hoped, to be understood and adopted by every TVET practitioner in the CPSC member countries.

Topics include: Writing the Research Paper, Writing Technical Researches, Case Studies, Tracer Studies, APACC Reports, Training Needs Analysis



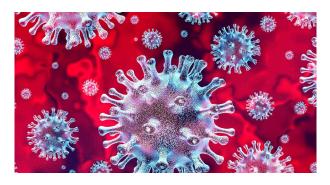
STEPS 4th

Contributors: Dr. Shyamal Majumdar (India); Mr. Lee Miyeong & Mr. Lee Namchul (Korea); Ms. Balasooriya, B.M.C.N & Ms, Kulathunga, I.D.J (Sri Lanka); Ms. Dilini Ranasuriya & Ms. Sreemali Herath (Sri Lanka); Mr. Rogelio Rambuyan (Philippines); Ms. Norhasyimah Hamzah (Malaysia); Dr. Vijay Patil (CPSC); Engr. Abdul Ghani Rajput (CPSC) and Engr. Sanyog Bhattarai (CPSC).

Launched in 2015 and presently on its 4th edition, the Scholarly Technical Education and Publication Series (STEPS) is a way for CPSC to feature notable, peer-reviewed researches, publications and ideas from scholars from CPSC member countries.

The following topics are included in this volume: (1) Technical Vocational Education & Training - Reflections on the Issues Facing TVET and Its Potential in the Time of COVID-19; (2) TVET Development and ODA for Developing Countries; (3) Enhancing Industry Partnership Towards Technical Education - The Sri Lankan Context; (4) A Closer Examination of Vocational Undergraduates'

Perceptions on the Need for English Language Skills in the Academic Life; (5) Interactive Courseware Development for Learning the Algebra Competition in the Materials of Learning Mathematics; (6) Initiatives of CPSC Member Countries on Industry Institute Linkages; (7) Status Of TVET in Relation to Industrial Revolution 4.0 in CPSC Member Countries; (8) Status of Entrepreneurship Education in TVET in CPSC Member Countries and (9) Fabricating Solar Power Generating Apparatus



STUDY OF THE EFFECTS OF COVID-19 TO TVET INSTITUTIONS

As a way to consolidate responses in view of recent developments worldwide, the Colombo Plan Staff College as commissioned by the Asian Development Bank, launched a survey to its network of Technical and Vocational Education and Training (TVET) institutions in the region. This aims to assess the impact of COVID-19 to their institutional operations, as well as their capabilities and strategies in offering online teaching and learning and other alternative ways for the students to access services such as consultation.

The specific objectives of the study are:

- a. To explore how TVET institutions continue the learning of their students despite the widespread school closures;
- b. To showcase the best practices in terms of organizing learning initiatives without the need for physical interaction; and
- c. To determine the national government's policies and directives to the TVET sector in ensuring that the TVET system stays resilient in light of the disruptions caused by the 2019-2020 COVID-19 pandemic.

The study was participated by 28 TVET institutions from Bangladesh, Bhutan, Malaysia, Nepal, Philippines and Thailand, with their responses collected through a CPSC-developed online questionnaire. The project summary was submitted to ADB on July 1, 2020.

CASE STUDIES AND INSIGHTS FROM APACC ACCREDITED INSTITUTIONS



APACC, as commissioned by the Asian Development Bank, is embarking on Case Studies with the working title "Case Studies and Insights from Accredited Institutions: The Impact of Asia Pacific Accreditation and Certification Commission in Institutional Development". The study aims to determine APACC's impact in the enhancement of the institutions' operations and its contribution towards enhancing the quality of TVET in the region. It likewise aims to ascertain the different challenges that APACC-accredited institutions face.

Through this study, it is hoped that APACC will be able to determine the means and ways to overcome some of the challenges being faced by APACC-accredited institutions. This study is also envisioned to provide inputs for APACC's continuous improvement and expansion as a third-party accreditation and certification commission.

Performance of these institutions on the following aspects are the main focus:

- Target groups for pre-employment training, upskilling and reskilling;
- Pedagogical practices and learning methods;
- Learning assessment practices;
- Partnership arrangements with the private sector including delivery of customized training programs;
- Internships, apprenticeships and other forms of in-company training;
- TVET teacher, training of in-company trainers and institutional management training;
- Usage of on-line learning and digital tools; and
- Measures taken to respond to industry 4.0 training needs

Shared Vision 2023

The Inter-governmental TVET Leader for Sustainable Development

Mission

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





COLOMBO PLAN STAFF COLLEGE (CPSC)

Bldg. Blk. C, Department of Education Complex, Meralco Ave.
1600 Pasig City, Metro Manila, Philippines
Phone: (+63-2) 8631-0991, 93 to 95
E-mail: cpsc@cpsctech.org
www.cpsctech.org