

NATIONAL CONSULTATIVE SEMINAR: SKILLS FOR TOMORROW

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April 11, 2019

Training Institute for Technical Instruction (TITI), Nepal

Organized by:

Colombo Plan Staff College and

Council for Technical Education and Vocational Training (CTEVT), Nepal

OVERVIEW

Across the world, the manufacturing industry is currently witnessing the fourth industrial revolution, better known as Industry 4.0 where the 'real' and the 'virtual' world are seamlessly getting connected giving rise to what are known as cyber-physical production systems. As a result, the traditional manufacturing processes are undergoing an enormous transformation which will change the way companies approach manufacturing. In order to maintain global manufacturing competitiveness, each of the nation's needs focuses on skilling its workforce to actively participate in this fourth industrial revolution.

In adopting Industry 4.0, each country is expected to encounter a number of challenges related to the skill level of their work force. The skills, which are important today, will cease to be so in the future and the work force will be expected to possess new skills in the domain of information technology, data analytics, etc. A higher percentage of the jobs will give importance to cognitive abilities and system skills over physical abilities while defining core work-related skill sets.

There exists a mismatch between the skill sets job applicants have and the skill sets they are expected to possess in developing economies like Nepal. The demand-supply gap will widen even further if necessary actions are not taken by the TVET system. Though the government has undertaken independent initiatives to promote vocational education and skill development, there are still significant efforts required for focusing on skill development for Industry 4.0. There exists an opportunity for the TVET system to collaborate with industry and to work together to prepare the skilled work force.

As the pace and scope of Industry 4.0 change accelerates, the importance of skills is increasingly being recognized and will be more in demand. Moreover, the effects of industry 4.0 across different sectors and occupations will demand new skills to carry out new tasks and to gain entry to the jobs of the future. Skills development can be an important "buffer" in this process of transformation. Empowering youth with skill can also be an "enabler" for increasing productivity and helping individuals adjust to change and remain competitive. In short, skills development holds the key to the future

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of work. This national seminar aims to address these issues and explores numerous ways of future collaboration.

CPSC in collaboration with CTEVT, Nepal is convening a half-day seminar on **Skills for Tomorrow** against the background of the emerging industrial transformation regarding skilling youth for the future. 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.

The seminar will provide a timely opportunity 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. It will help in promoting dialogue on the main themes towards the management of education and training standards; and strengthening cooperation among stakeholders for empowering youth through skills for Industry 4.0.

ORGANIZERS

Colombo Plan Staff College

The Colombo Plan Staff College (CPSC) is a unique Inter-Governmental Organization for Human Resources Development in Asia and the Pacific Region. As a specialized agency of the Colombo Plan System, CPSC is mandated to enhance the quality of technical and vocational education and training (TVET) in its member countries through the planning and implementation of demand-driven training programs; research and development, information dissemination and consultancy activities in Asia and the Pacific region.

CPSC has become a vibrant forum in facilitating the improvement of TVET systems among its member countries, which are: Afghanistan, Bangladesh, Bhutan, Fiji, India, Indonesia, Islamic Republic of Iran, Republic of Korea, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Islamic Republic of Pakistan, Papua New Guinea, The Philippines, Singapore, Sri Lanka and Thailand.

Council for Technical Education and Vocational Training (CTEVT), Nepal

The Council for Technical Education and Vocational Training (CTEVT) constituted in 1989 (2045 BS) is a national autonomous apex body of Technical and Vocational Education and Training (TVET) sector committed for the production of technical and skilful human resources required to the nation. CTEVT is a vibrant organization promoting TVET system to develop a competent workforce for national and international market needs. It has an assembly consisting of 24 members and a governing board known as Council comprising nine members. Minister of Education

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chairs both the Assembly and the Council. The Council has a full time Vice-Chairperson and a Member-Secretary.

CTEVT envision Skilling Nepal for Peoples Prosperity and is mainly involved in policy formulation, quality control, preparation of competency based curriculum, developing skill standards of various occupations and testing the skills of the people, conduct various research studies and training needs assessment etc.

SEMINAR DETAILS

Themes

The broad themes of the seminar are:

- Skills for Industry 4.0: Future Trends
- Youth Employability: New Perspectives & Approaches

The seminar will also include involvement of industry and organizations with emerging Industry 4.0 for skilling youth and employability to incorporate in the TVET system.

Objectives

The seminar expects to answer key questions including:

- What are the opportunities and challenges faced by the Skill ecosystem during Industry 4.0?
- What kinds of technological innovations are driving the 4th industrial revolution?
- Are the organizations of Industry 4.0 going to be different from the organizations of the past and the present? If different, in what ways are they going to be different? What will be the characteristics of such organizations?
- TVET system for Industry 4.0 are bound to face challenges, including Uncertainty, Unpredictability, Ambiguity and Volatility: in such a scenario what would be the appropriate strategies for skilling youth?
- How can TVET institutions should transform for meeting the demands of the Industry 4.0 be sustainable in terms of service to society, environmental protection, long-term vision, products and services, concern of its stakeholders?

The seminar will also cover case presentations from various institutions/ organizations with successful models in promoting skills for industry 4.0 and youth employability in the changing nature of for the future of work.

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Expected Outputs

- Recommendations for further actions;
- Sharing of Innovative Ideas and Best Practices;
- Networking among Partner Institutions and Participants.

Delegates

The Seminar will be participated by TVET administrators, policy makers, academic professionals, experts including as well as representatives and experts from various international and regional organizations including the private sector and enthusiasts from Nepal.

Speakers

The Seminar is expected to be addressed by various professionals of TVET system with representations from national forum of universities, institutions and industry.

Date and Venue

The event will be held on April 11, 2019 from 9:00 AM – 1:30 PM at the Training Institute for Technical Instruction (TITI), Nepal.

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PROVISIONAL SCHEDULE

Time	Program Schedule
9:00-9:30 AM	Registration
9:30-10:00 AM	Inaugural Ceremony
10:00-11:15 AM	SESSION 1 Skills for Industry 4.0: Future Trends 1. Skills for 21st Century and Nepal 2. Developing Skills among Youth for Employability in Nepal 3. Innovative Approaches in Developing Skills for Employability
11:15-11:30 AM	Question and Answer
11:30-11:45 AM	Tea Break and Networking
11:45 AM-12:45 PM	SESSION 2 Youth Employability: New Perspectives and Approaches 1. Building Ecosystem for Youth Employability 2. Transforming TVET for Youth Employability 3. Advancing Skills Development & Entrepreneurship for Youth in India
12:45-1:00 PM	Question and Answer
1:00-1:30 PM	Conclusion & Recommendations and Closing

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SEMINAR MANAGEMENT

Seminar Supervisors



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Seminar Coordinator and Speaker



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