



Keynote Address 1

The Major Trends Impacting Future of Jobs and New Vision for TVET in 21st Century

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ABSTRACT

Embarking on the path of sustainable development will require profound transformation in how we think and act. Every individual requires the knowledge, skills, values and attitudes that empower them to contribute to sustainable development. Education and Skills are the key instruments to achieve SDG with special significance for TVET. However, TVET system is largely affected by a number of megatrends including rapid technological change, climatic change and demographic changes and mobility. All these trends are shaping the way people live, work, socialize, share knowledge and participate in increasingly complex, dynamic and diverse societies throughout the world. These changes have implications on the types of skills that will be in demand in the future. The most important challenges that the labour market is facing today is to prepare graduates for the jobs that does not in existence today. Such challenge possess by the megatrends demand new TVET strategies that becomes not only relevance for the present time but also cater the need of the future. Therefore, TVET need to be transformative in nature to deal with the emerging needs. The transformative lenses apply a forward-looking approach in dealing with future of skill demand in the era of technological, climatic demographical change and lifelong learning approach. The present paper suggests some of the major dimension of these transformation which includes, Innovative TVET, Lifelong TVET, Greening TVET, STEAMING TVET and Inclusive TVET. Such transformative dimension derived from the megatrends possess challenges and at the same time huge opportunities for development. These opportunities are appearing in the form of new convergences and new landscapes. These convergences scenarios are of three broad categories. One convergence of academic and vocational drift, second one of convergence of qualification and pathways and third one of convergence between people and nature for achieving sustainable development.

Keywords: Future of Jobs, TVET for 21st Century, Sustainable Development, Vocational Education

BRIEF CV

Professor Shyamal Majumdar, Ph.D. is the former head of the UNESCO-UNEVOC International Centre in Bonn, Germany since May 2011. From 2007 until his appointment at UNESCO-UNEVOC, he served as the Director General of the Colombo Plan Staff College for Technician Education (CPSC), an inter-governmental international organization for human resource development in Asia-Pacific region located in Manila, Philippines. For four years, he also served as Vice President of IVETA (International Vocational Education and Training Association, USA). Prior to all his international engagements, he worked as a former professor and department head at the National Institute of Technical Teachers Training and Research (NITTTR) in India. He holds a Bachelor's degree in electronics and communication engineering, a Master's degree in telecommunications engineering, and Ph.D. in educational computing.

He worked with many development partners including the Food and Agriculture Organization (FAO), the Asian Development Bank (ADB) and the Asian Development Bank Institute (ADBI), UN Climate Change Convention (UNFCCC), European Centre for the Development of Vocational Training (CEDEFOP), European Training Foundation (ETF), UN Volunteers (UNV), and the World Bank. Dr. Majumdar worked on more than 200 research papers and edited more than 30 books. He received many International Awards and certifications from a number of international and regional organizations, including the American Vocational Education Research Association (AVERA), ADBI, UNESCO, and the Southeast Asian Ministers of Education Organization (SEAMEO), among these includes the distinguished IVETA Award and CPSC TVET Leadership Award for his contributions in TVET in the Asia and Pacific region.