

Launch event

Integrating AI in TVET: a practical guide for institutions

Date & time: Monday, 6 July 2026, 12:00 – 14:00 CEST
Location: Online via Zoom
Link for registration: https://unesco-org.zoom.us/webinar/register/WN_VSQs3gHjTCyDI9hICH41lg
Interpretation: Chinese, French and Spanish

Background

Artificial intelligence (AI) is rapidly transforming industries worldwide, prompting increased policy attention across the global education sector. UNESCO has led work on AI in education through key frameworks, including the *Beijing Consensus on Artificial Intelligence and Education* (2019), the *Recommendation on the Ethics of Artificial Intelligence* (2021), *Guidance for Generative AI in Education and Research* (2023), and the *AI Competency Frameworks for Teachers and Students* (2024). Together, these initiatives provide important guidance for integrating AI into teaching and learning. However, technical and vocational education and training (TVET) faces challenges that differ in nature and scale from those of general education. To address this gap, UNESCO-UNEVOC, Shenzhen Polytechnic University and Otto von Guericke University Magdeburg jointly developed a practical guide on the integration of AI in TVET, supporting institutions in navigating AI's specific implications for TVET systems.

Drawing on contributions from TVET experts worldwide, the guide is designed for an international audience, including policy-makers, institutional leaders and educators. It presents comprehensive, institution-focused guidance for integrating AI into TVET, grounded in UNESCO's work on AI ethics and informed by evidence from all regions. The guide addresses governance, curriculum, pedagogy, assessment, professional development, safety-critical training and institutional innovation, offering principles for responsible, human-centred AI use alongside practical tools for phased implementation across diverse contexts.

This event marks the launch of the practical guide and targets TVET stakeholders who lead national systems, manage training institutions or teach, and who seek to make purposeful and equitable decisions about AI in TVET.

Agenda

(Central European Summer Time)		Speaker	Position / Organization
12:00 - 12:05	Introduction	<i>Moderator:</i> Kenny Muscat	Programme Officer for Innovation and Excellence in TVET, UNESCO-UNEVOC
12:05 – 12:15	Opening remarks	Borhene Chakroun	Director, Division for Policies and Lifelong Learning Systems, UNESCO
12:15 – 12:25	UNESCO's priorities on AI in education	Shafika Isaacs	Chief of Section for Technology and AI in Education, UNESCO
12:25 – 12:45	UNESCO practical guide on the integration of AI in TVET	<i>Moderator:</i> Kenny Muscat	
		Congkun Yang	Coordinator, UNESCO Chair on Digitalization in TVET, Shenzhen Polytechnic University, China
		Wenxi Wu	Research Fellow, UNESCO Chair on Digitalization in TVET, Shenzhen Polytechnic University, China
		Hannes Tegelbeckers	Research Associate, Chair of Engineering Education Pedagogy and Didactics of Technical Education, Otto von Guericke University Magdeburg, Germany
12:45 – 13:15	Panel discussion 1 – Perspectives from Africa, Arab States, and Asia and the Pacific	<i>Moderator:</i> Wenxi Wu	
		Sriya Chakravarti	Higher Colleges of Technology, United Arab Emirates
		Robert Nicky Tjano	University of South Africa
		Saud Altaf	National Skills University Islamabad, Pakistan
		Swaran Ravindra	Fiji National University

(Central European Summer Time)		Speaker	Position / Organization
13:15 - 13:50	Panel discussion 2 – Perspectives from Central Asia, Europe, and Latin America	<i>Moderator:</i> Hannes Tegelbeckers	
		Christian K. Karl	University Duisburg-Essen, Germany
		Hugo Nakatani	SENAI, Brazil
		Robert Mitton	BRITethink, United Kingdom
		Isakova Zebo	Kimyo International University in Tashkent, Uzbekistan
13:50 – 14:00	Closing remarks	Friedrich Huebler	Head of UNESCO-UNEVOC