



ONLINE

EMPLOYMENT PROMOTION

SKILLS DEVELOPMENT

JOBS AND SKILLS IN THE ERA OF DIGITALIZATION AND AI

26 OCTOBER – 20 NOVEMBER 2026

 4 WEEKS, 18 HOURS OF LEARNING

Information Note



International
Labour
Organization



International Training Centre



Harness digitalization and AI for decent work and inclusive growth.



OVERVIEW

Digital technologies, particularly artificial intelligence, are reshaping economies and labour markets at unprecedented speed. New business models are emerging, sectors are being redefined, production and service-delivery systems are changing, and the task content of many occupations is being reorganized. At the same time, persistent digital divides risk widening inequalities between countries, enterprises and groups of workers.

Digitalization and AI can support innovation, improved public services and new forms of employment. They can also intensify existing decent work deficits and raise urgent concerns relating to job quality, algorithmic management, informality, workers' rights, access to technology, and the emerging skill sets that people require to navigate decent work in an AI-driven economy.

The International Labour Organization (ILO) supports its member States in shaping a human-centred digital transformation, harnessing technological progress for decent work and sustainable development. This includes promoting policies that create quality jobs, broaden participation in the benefits of digitalization, and address its risks through inclusive dialogue and practical action.

This online course helps employment and skills professionals assess how digitalization and AI are reshaping jobs, skills and labour markets, and translate these insights into evidence-based policy. It combines recent ILO research with diagnostic tools and practical approaches ranging from strengthening labour market information and modernizing public employment services to redesigning technical and vocational education and training (TVET) curricula for an AI-augmented economy.

COURSE OBJECTIVES

The course aims to strengthen the capacity of policymakers, social partners, public employment service staff, TVET leaders and practitioners and technical experts to design and implement effective employment and skills policies in a rapidly changing digital economy.

It enables participants to interpret evidence on the employment and skills implications of digitalization and AI, assess opportunities and risks for decent work, and design coordinated employment, skills and institutional responses through social dialogue.

By the end of the course, participants will be able to:

- Analyse how digitalization, AI and digital labour platforms are transforming jobs, occupational tasks and institutions at national and global levels;
- Apply ILO evidence and diagnostic tools to assess digital employment, occupational exposure to AI, patterns of technology adoption, changes in job quality and emerging skills demand;
- Distinguish between the automation, augmentation and transformation of work, avoiding unsupported assumptions about technological unemployment;
- Identify emerging technical, digital, foundational, socio-emotional and human-essential skills, and assess their implications for lifelong learning, reskilling and upskilling;
- Design evidence-based employment and skills policy responses that promote productivity, inclusion, workers' rights and a just digital transition, including the application of ILO Convention 193 on Decent Work in the Platform Economy;

- Assess how labour market intelligence, public employment services and TVET systems can use digital and AI-enabled tools responsibly, while maintaining accessibility, transparency and human oversight;
- Apply principles of social dialogue, responsible governance and digital inclusion to policy and institutional decision-making.

CONTENT

The course is structured around five modules, each combining online materials with a live webinar:

Module 1: Employment trends and the rise of digitalization and artificial intelligence

Introduces recent trends in digitalization, artificial intelligence and generative AI and examines their implications for employment, enterprise development, occupations and the organization of work. Participants explore how technologies may automate, augment or transform particular tasks; why occupational exposure differs across countries, sectors and demographic groups; and how technology adoption interacts with economic structures, institutional capacity and enterprise practices. The module also introduces human-centred AI governance, international labour standards, social dialogue and the role of public policy in ensuring that technological change advances decent work.

Module 2: Employment diagnostics and the effects of digitalization and AI on the labour market

Examines techniques and methodologies for measuring how digitalization and AI affect occupations, tasks, employment levels and job quality. Participants consider task-based occupational-exposure analysis, labour force and establishment data, vacancy and skills data, platform-work statistics, qualitative foresight and consultation with employers' and workers' organizations. The module also addresses the limits of available data and models, including difficulties in measuring informal work, platform work and rapidly evolving technologies, and supports participants to interpret evidence cautiously for policymaking.

Module 3: Emerging skills for the digital transformation and AI-enabled economy

Explores how digitalization and AI are changing occupational profiles and skills demands across sectors such as automotive, construction, manufacturing, hospitality, healthcare, agriculture and ICT. Participants examine the interaction between advanced technical and occupational skills, core foundational digital skills, AI and data literacy, socio-emotional capabilities and human-essential skills such as judgement, communication, creativity, collaboration and ethical reasoning.

Module 4: Digitalizing employment, public services and skills delivery

Explores how digitalization and AI technologies are transforming labour market information systems, public employment services and skills needs anticipation, while promoting accessible digital services and safeguarding against bias, exclusion and inappropriate automated decision-making. The module also explores how TVET curricula, teaching and assessment can be adapted for AI-augmented work and learning. Participants consider different models for integrating digital and AI competencies into occupational curricula, practical applications of AI by trade and sector, competency-based assessment, professional development for teachers and trainers, and responsible use of generative AI in teaching and learning. Particular attention is given to human oversight, data protection, accessibility and ensuring that technology supports —rather than replaces— the professional role of employment counsellors, teachers and trainers.

Module 5: Decent work in the platform economy and an inclusive digital transformation

Focuses on the growth and diversity of digital labour platforms and their implications for job quality, social protection, informality and workers' rights; the digital divides affecting access to technology and decent work; and strategies for fairer, more inclusive labour markets. The module introduces the ILO Convention on Decent Work in the Platform Economy Convention (No. 193), and considers its implications for national policy, regulation, social dialogue and institutional practice. It also examines digital divides affecting workers and enterprises, including unequal access to connectivity, devices, digital skills and employment opportunities.

WHO ATTENDS THIS COURSE?

The course is designed for:

- Senior government officials from ministries responsible for employment, labour, TVET economy, finance and planning, and related line ministries;
- Representatives of workers' and employers' organizations, and public employment service (PES) staff;
- Skills system representatives including TVET leaders, accreditation bodies and institutions responsible for national standards development;
- Technical experts and staff from development partners working on employment, labour market and skills policy and digitalization.

METHODOLOGY

The course will follow the ITCILO participatory approach and will facilitate discussions between experts, current policy experts and practitioners of the ILO and other partners. This course is offered online through the ITCILO eCampus platform. Each module combines: online materials, webinar for live debate and discussions with experts and peers, and learning activities to help participants learn more effectively.

Live webinars will take place according to the schedule below, they will be 2-hours long and start at 2PM Turin time:

Webinar	Timing	Topic
Webinar 1	Week 1 — Wed 28 Oct	Employment trends and the rise of digitalization and artificial intelligence
Webinar 2	Week 2 — Wed 4 Nov	Employment diagnostics and the effects of digitalization and AI on the labour market
Webinar 3	Week 3 — Wed 11 Nov	Emerging skills for digital transformation and AI-enabled economy
Webinar 4	Week 4 — Wed 18 Nov	Digitalizing employment, public services and skills delivery
Webinar 5	Week 4 — Fri 20 Nov	Decent work in the platform economy and an inclusive digital transformation

Participants are required to block their agenda accordingly and to actively attend these webinars. A certificate of participation will be issued for participants who complete the required criteria set through participation frequency and activity completion.

**Kindly note that the date and time of the webinars might still change due to speakers' availability. Any updated information on this will be provided to you in due time ahead of the course start.*

WORKING LANGUAGE

The training will be held in English.

HOW TO APPLY

Apply online: <https://oarf2.itcilo.org/DST/A9719117/en>

The deadline for application is **15 October 2026**.

TUITION FEES

€1,010

A limited number of fellowships may be available, with priority given to women, persons with disabilities, and applicants who have not previously received ITCILO funding. To be considered, applicants must submit their registration.

WITHDRAWAL, CANCELLATION POLICY, AND REFUNDS FOR OPEN COURSES

If an enrolled participant wishes or must withdraw from a course, they may choose to apply to a different course or be substituted by another candidate. The participant must notify the Centre, in writing, of their decision at least 14 days prior to the start date of the course. Cancellation of participation in regular courses will result in the following penalties:

- 14 days or more prior to the start date of the course: No penalty, 100% refund of amount paid less applicable bank charges
- 8 to 13 days prior to the start date of the course: Penalty of 50% of course price, refund of residual amount paid (if any) less applicable bank charges
- 7 days or less prior to the start date of the course: Penalty of 100% of course price.

INFO

FOR FURTHER INFORMATION PLEASE CONTACT

International Training Centre of the ILO
Employment Policy and Analysis Programme (EPAP)
Viale Maestri del Lavoro, 10
10127 Turin – Italy

employmentpolicy@itcilo.org
www.itcilo.org

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