

Mobile Learning Week 2019

4-8 March 2019

Paris, France



Workshops

Title of the workshop:	The impact of artificial intelligence on occupations: Is there a place for intermediate level occupations?
Date:	5 March 2019 11.45 – 13.15 ROOM 6
Name of organizer/presenter:	JET Education Services, South Africa Presenters: <ol style="list-style-type: none">1. James Keevy, Policy Researcher, JET Education Services2. Shyamal Majumdar, Head of UNESCO-UNEVOC3. Kelly Shiohira, Specialist Manager, JET Education Services4. Hiromichi Katayama, UNESCO
Time allotted:	1 hour 30 minutes
About workshop:	Nearly twenty years into the 21st century, there is no doubt that the evolution of many occupations is being impacted by human creativity and ingenuity that is increasingly able to leverage value from new technologies, notably through the rise of data analytics and artificial intelligence (AI). AI is increasingly being a focus of national policies and inserted into, and impacts on, industrial, services and agriculture processes, value chains and organisation of workplaces. AI has the potential to improve peoples' lives, but it also raise a number of important policy issues, including those of job creation and job obsolescence. It presents a source of social and political tension

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	<p>and a risk of worsening inequalities within and across countries. AI is also transforming labour markets. A growing body of evidence shows that AI and related technologies are 'hollowing out' demand for workers with intermediate level skills, while raising demand for workers with high level skills. Workers with intermediate skills are at particular risk because technologies that can replace them generate considerable cost savings for employers. Compared to lower skilled workers, intermediate level workers typically have job specific skills and competencies that are not always easily transferable. Expert observers foresee increased polarization of labour markets as middle-income jobs, assumed by intermediate skilled workers, become increasingly scarce. Indeed this process is well underway in many countries (World Bank, 2016; 2019).</p>
Objectives of the workshop:	<p>The workshop will discuss AI related intermediate level occupations that are emerging and discuss what the TVET sector can do to help individuals develop the skills and competencies needed in an AI enabled workplaces. The main workshop questions will be:</p> <ol style="list-style-type: none">1. While many discussions about AI and the digitalization of economies revolve around strategies to building high-skilled workforces, what about the intermediate-skilled workforce?2. What are the occupations at intermediate level that are in demand?3. What skills and competencies are needed by workers to assume jobs that do not necessarily require university-level education?
Activity layout:	<p>We propose an interactive workshop that focuses on the impact of artificial intelligence on occupations, specifically intermediate level</p>

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occupations. The research team from JET and UNESCO will present exploratory research, canvass additional insights, while also validating emerging findings. The workshop will be co-hosted by UNEVOC and will utilise state of the art facilitation techniques, including mentimeter.