

Module 1: CONTEXT OF INDUSTRY 4.0

Module 1 will introduce Industry 4.0, examining it from a historical perspective and outlining megatrends and key concepts for Industry 4.0. Further, it will outline the relevance of Industry 4.0 for development efforts and the role of UNIDO, and the different responses to Industry 4.0 in terms of policies and other initiatives.

Module 2: IMPORTANT ELEMENTS OF INDUSTRY 4.0

Module 2 will give an in depth explanation of emerging new technologies and their impact. Sectorial applications of these technologies will be explained in different contexts, from the automotive industry, to the agriculture and energy sectors. The sector that will be most impacted by Industry 4.0 will be discussed.

Module 3: THE BUSINESS PERSPECTIVE

Module 3 will discuss how business models will need to be adjusted in order to keep running. It looks at concepts such as smart factory, and more detailed business aspects such as the implications of Industry 4.0 for production, trade and integration into global value chains (GVCs). This module will also deepen the strategies for competing in Industry 4.0, whether this is for a small or medium-sized enterprise (SME) or a large company. A number of trends that are emerging as a result of Industry 4.0 will also be presented.

MODULE 4: IMPLICATIONS OF INDUSTRY 4.0

Module 4 will analyze the implications that Industry 4.0 will have on people (work and employment), education and skills, and policy and government. Furthermore, it will discuss how societies will change and how governments foresee this change under the scope of new technologies of the 4th Industrial Revolution. Subjects such as distribution of wealth, automization in developing countries and automization in the public sector will also be presented to understand how leapfrogging is happening and the readiness to deploy industry 4.0 in a holistic way for societies and industries.

Module 5: THE DEVELOPING COUNTRY

In Module 5, the challenges that Industry 4.0 represents will be presented. However, it will also present the leapfrogging opportunities for businesses. Examples of the application of Industry 4.0 technologies in different

industries in developing countries will be given, as well as a discussion on how UNIDO can play a critical role on this path.

Module 6: THE WAY FORWARD

To close the training, Module 6 consider the actions needed for developing countries to take advantage of Industry 4.0 and how development efforts aligned with technologies that Industry 4.0 bring can benefit developing countries. Finally, the module will conclude with road maps to Industry 4.0 and how proper innovation systems can drive to this new revolution.