Unit 1: Advanced manufacturing – companies' mindset and current trends

Subunit 1.3: Mindset and current trends

Activity 1.3.2: Organisational structure and Industry 4.0

Learning Outcomes (paste the appropriate LOs from the LOs Matrix)	Knowledge	Skills	Responsibility and Autonomy
	Basic knowledge of: • mindsets of product development • organizational and corporate culture in Industry 3.0 and 4.0 • organisational structure in Industry 3.0 and 4.0	• name and explain mindsets of product development in the context of advanced manufacturing: Design Thinking, Lean, and Agile • differentiate between the organisational and corporate culture in Industry 3.0 and 4.0 • exemplify organisational structure Industry 3.0 and 4.0	• demonstrate knowledge and skills obtained for development of cooperation between VET and business sector

Type of activity	☒ PDF ☐ PPT ☐ Image/Infographic ☒ Video	☒ Test/Quiz ☐ Game ☐ Other (specify) _____

Duration	90

Activity (to be inserted into Moodle and seen by learners)	This activity focuses on understanding the organisational structure (and the changes needed) in the context of the Industry 4.0. To complete the activity: 1. Read the chapter 4. Industry 4.0 roadmap (p. 926-929) (45 minutes): https://www.emerald.com/insight/content/doi/10.1108/JMTM-02-2018-0057/full/pdf?title=the-future-of-manufacturing-industry-a-strategic-roadmap-toward-industry-40 2. Read the following article (25 minutes) „Is your organization ready for Industry 4.0?": https://medium.com/iotforall/is-your-organization-ready-for-industry-4-0-c4013ee5a283 3. Read the following article (10 minutes) „Customer Centric IIoT Projects are the Key to Success": https://www.iotforall.com/customer-centric-successful-iiot-projects/ 4. Complete the short quiz (10 minutes). https://www.tradeandindustrydev.com/industry/manufacturing/traditional-industrial-vs-advanced-manufacturing-t-8304

Assessment	short quiz
Resources	PC, laptop, tablet, smartphone, Internet connection
Further reading	