

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

Subunit 2: Current trends: process and product technologies

				Activity (1): Current trends
Learning	Knowledge	ledge Skills		Responsibility and Autonomy
Outcomes (paste the appropriate LOs from the LOs Matrix)	Basic knowledge of: - Current trends on product technologies - Current trends on process technologies	List of 9 main ted that are transfor industrial product. Identify and desc characteristics or in advanced manufacturing. Identify and desc characteristics or processes in advanced manufacturing. Analyse the possimplementation product technologies technologies transfer industrial product international and companies.	cribe key f products cribe key f anced sibilities of of ogies and ogies in facturing ples from	Demonstrate knowledge and skills obtained for development of cooperation between VET and business sector
Type of activity	☑ PDF☐ PPT☑ Image/Infographic☑ Video		☐ Game ☐ Other (specify) —————	
Duration	Estimated in minute 180			
Activity (to be inserted into Moodle and seen by learners)	Tasks: • read through printed PDF about industry 4.0 trends • watch the videos			

	Trends in Management of intelligent Manufacturing Systems Lucia Knapcikova, Michal Balog			
Further reading	Industry 4.0			
Resources	Equipment: PC, laptop, tablet, smartphone, Internet connection			
Assessment	Student will answer short quiz on the topic.			
	https://www.als2018.com/pdf/ALS2018%20ppt 5.6%20Thriving%20in%20Industry%204.0%20%E2%80%93%20The%20Festo%20Way.pdf			
	Massachusetts Institute of Technology			
	Olivier de Weck, Darci Reed, Sanjay Sarma, Martin Schmidt			
	Trends in Advanced Manufacturing Technology Innovation			
	Read the article about trends:			
	https://www.youtube.com/watch?v=EV1Ygw6_rCs			
	What is smart manufacturing?			
	https://www.youtube.com/watch?v=VhqMyZMws3Q			
	Industry 4.0 global trends:			
	watch the following videos.			
	To complete the activity: Watch the following videos:			
	short quiz in Moodle classroom			
	 research: find videos about the topic make an infographic and present it to other students (use Canva, PPT) 			