



Unit 3: Additive manufacturing and 3D printing in Industry 4.0

Subunit 3.1: AM and 3D printing basic concepts

Activity 1: AM and 3D printing basic concepts

Learning Outcomes	Knowledge	Skills	Responsibility and Autonomy
	<ul style="list-style-type: none"> Basic concepts of AM and 3D printing in Industry 4.0 	<ul style="list-style-type: none"> Identify the concepts of AM and 3D printing in Industry 4.0 	<ul style="list-style-type: none"> Raise awareness amongst trainees about the potential use of AM/3D
Type of activity	<input checked="" type="checkbox"/> PDF <input type="checkbox"/> PPT <input type="checkbox"/> Image/Infographic <input type="checkbox"/> Video		<input checked="" type="checkbox"/> Test/Quiz <input type="checkbox"/> Game <input type="checkbox"/> Other (specify) <hr/>
Duration	120 min		
Activity (to be inserted into Moodle and seen by learners)	<p>In this activity, trainees will learn the basic concepts of Additive Manufacturing (AM) and 3D printing.</p> <p>To complete the activity, please follow the next steps:</p> <ol style="list-style-type: none"> Read “3.1 – AM and 3D printing basic concepts” chapter of the PDF file “UNIT 3 - Additive manufacturing and 3D printing in Industry 4.0”. Accomplish the respective self-assessment. 		
Assessment	Self-assessment quiz		
Resources	Computer		
Further reading	References chapter at the end of the PDF file “UNIT 3 - Additive manufacturing and 3D printing in Industry 4.0”		