FACT SHEET BIP 2027

Organizing institution	**University of Udine (UNIUD – I)** (Erasmus code: I UDINE01)
Partners	University of Antwerpen; KU Leuven; University of the Basque Country; University of Girona; Université de Poitiers; Bialystok University of Technology (TbC).
Are you looking for partners?	To be discussed
Title / Name BIP *(Enter the official name of the BIP)*	**Digital and Green Technologies in the Manufacturing Industry**
Abstract *(Brief summary of the activity – what it is about in 3–5 lines)*	The Program aims to provide students with an introduction to the transition that is taking place in the manufacturing sectors with particular focus on technologies and applications and an eye to sustainability.
Goal *(What is the main objective or purpose?)*	Provide students with fundamental knowledge and insights on different topics that are driving the transition in the manufacturing sectors, e.g. advanced mechatronics and manufacturing, collaborative robotics, digital twins, energy efficiency, sustainability management. Let them participate actively in hands-on workshops to develop practical skills, knowledge and connection with other international students also with diverse backgrounds.
Topics covered *(List the key themes or subject areas that will be addressed)*	Green mechatronics and Sustainable Manufacturing; Human-centric Manufacturing and Collaborative/Adaptive Robotics; Digital Twins and simulation; Sustainability Management and Digital Transformation; SDGs
Expected outcome(s) *(What should students gain or achieve by the end?)*	# Understand different aspects of the Digital and Sustainable Transition in Manufacturing. # Apply knowledge through group working on use-cases related to digital technologies

	and / or sustainable and green practices in the manufacturing industry.
Start and end date of the BIP	22nd - 26th February 2027 (in presence)
Content of virtual component *(Describe any online or hybrid elements – e.g., webinars, online modules, collaborative tools)*	The BIP will be introduced to highlight the most important steps and organizers' expectations. Organizers and teachers will introduce the BIP and project(s) topics as well as the online material to be revised/studied before the in-presence activities (e.g. Prerecorded lectures, introductory material) Note: Groups will be defined by organizers.
Start and end date of the virtual component	12th February 2027 (on-line meeting) + asynchronous study.
Maximum number of students *(Total number of participants allowed)*	40 (including students from UNIUD) (Students from 3rd-y BSc or MSc)
Maximum number per university *(Limit per institution, if applicable)*	Max 5 per partner Note: if a partner does not cover all the available seats, these can be reallocated to other partners.
Webpage	Not yet available
BIP ID *(If already available)*	Not yet available
Information for learning agreement:	**ECTS-credits:** 3 Ref. Contact: Renato Vidoni (renato.vidoni@uniud.it) Admin contact: Letizia Treppo (letizia.treppo@uniud.it)