BEM Micro-credential

BEM content (for all partners)	Title/name of the credential	**Creator of Sustainable Digital Textile Printing**
	Function of the micro-credentials / purpose	This micro-credential provides knowledge and skills in the field of digital textile printing with an emphasis on sustainable technologies and processes. The program integrates technical, creative, and green skills, covering modern printing techniques, resource optimization, and reducing environmental impact. The goal is to equip participants with processes aligned with sustainability and innovation in the textile industry, enabling the development of competitive products that meet market demands.
	Possible target groups	□ Professionals from the textile industry who wish to expand their □ knowledge and improve their work using innovative technologies. □ Designers and creators of textile products interested in sustainable □ production methods. □ □ Beginners and entrepreneurs in the textile sector who want to develop eco-friendly products. Individuals from vulnerable groups (unemployed, people with disabilities, rural populations) interested in developing new skills. Women who want to start their own business in the textile industry. Migrants and refugees interested in working in the textile industry.
	Branch/sector of application	Textile and fashion industry, sustainable production, design, and decoration.
	Fields of application /	□ Textile printing facilities and fabric production plants.

	work environment	□ Fashion houses applying digital printing techniques. □ Design studios specializing in textile design. □ Craft centers and manufacturers of eco-friendly textile products.		
	Typical work/professional tasks	□ Applying digital printing methods to various types of fabrics. □ Creating sustainable and aesthetically appealing textile products. □ Adapting printing techniques to material-specific requirements. □ Implementing sustainable practices to reduce waste in production. □ Utilizing software tools for design and quality control.		
	Learning outcomes (personal and job related)	Knowledge	Skills	competences
		□ Understanding different digital printing technologies (inkjet, sublimation, UV printing) and their applications. □ Principles of sustainability in textile production. □ Material-specific properties for textile printing and their impact on the final product.	□ Using digital tools for design creation and production optimization. □ Efficient handling with printing equipment. □ Applying sustainable practices in raw material handling and waste management. □ Developing innovative textile products	□ Independent organizing and executing digital printing processes. □ Initiating and implementing sustainable solutions in textile production. □ Applying quality and sustainability standards in everyday work. □ Using innovations to improve business processes.

		□ National and EU standards for sustainability and textile product safety. □ Basics of eco-friendly dyes and pigments in the textile industry.	by adapting designs to specific customer requirements.	
	Validation	Criteria	Procedures	
		□Compliance with digital printing and sustainability standards. □ Application of acquired knowledge through practical work. □Reliability and accuracy in handling equipment.	□ Formation of the Evaluation Committee to assess knowledge and skills. □ Implementation of a practical □ project on a given topic. Assessment of competencies and issuance of certificates or digital badges.	
	Recognised/accepted (documented by MoU)	Vocational Education and Training Centre Education Centre		
	Provider(s)	□ Educational institutions specialized in textile technology and graphic design, private printing companies or textile design institutes. □ Local schools □ Vocational Education and Training Centre		
Additional information (if needed)	Entry level / prerequisites Possible duration	It is necessary that the individual has basic knowledge and skills of drawing and painting and computer skills.		

	(recommendation)	Theoretical and practical training: 80 hours. Validation: 20 hours. Total duration: 100 hours.
Specific content (national) (if needed)	Position in the chain of educational programmes	NQF level IV-V Adapt the content to the specific market characteristics and regulations for digital textile printing in the country. For example, local regulations regarding ink safety in contact with the skin may apply.
	Reference to NQF	The micro-credential can be linked to the National Qualifications Framework (NQF) in the field of textile technology and graphic design.
	Credits	4 Credits. Credits can be added based on an agreed scoring system according to the national education system.