



User manual

Moodle E-learning platform – version 1.0

https://www.digitalfashionproject.eu/elearning.php

http://www.advan2tex.eu/portal/



This project has been funded with the support of the European Commission.

This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Table of contents

A. Introduction	.3
B. The Open Educational Resources of DigitalFashion	.4
1. Overview	.4
2. Access to the course	.5
3. Structure	.6
C. Contact	11

For user accounts on Moodle e-learning platform please send email to national coordinators according to point C. Contact

A. Introduction

This user manual describes the access and work modality with the Moodle elearning platform and the Open Educational Resources of the Erasmus+ Digital Fashion project: "Collaborative Online International Learning in Digital Fashion", no. 2021-1-RO01-KA220-HED-000031150.

The DigitalFashion project enables education providers to provide new digital training methods, allowing students and professionals to quickly master key technologies for the design and production of customised products in a virtual environment and fully make use of the knowledge in the entire supply chain.

The project aim is to bridge the existing gap of digital skills in fashion by introducing new teaching and learning methodology for digital fashion co-design in a virtual environment.



Fig. 1 – The project structure & indicators

The project results are:

•R1 - New methodology for a common framework on collaborative online international learning in the field of digital fashion.

• R2 - Library of knowledge (the 3 databases) for virtual fashion design and technology.

• R3 - Training platform of fashion design by personalized 3D virtual garment fitting.

• R4 - Curricula for collaborative online international learning in the field of digital fashion.

B. The Open Educational Resources of DigitalFashion

1. Overview

Main result of DigitalFashion is the Simulation platform. The Simulation platform allows fashion students and fashion teachers to design together, in an interactive way, a garment for a specific customer. The special requirements of the customer for the garment is communicated via the platform and taken into account in the final design. The Simulation platform has open access with registration at URL: <u>https://digitalfashion.ensait.fr/login</u>.

This Simulation platform uses four databases:

- The fabric database
- The garment database
- The 3D human avatar database
- The fashion database

Based on the four databases, the project partners have elaborated a course with 6 basic modules. The modules are tackling the concept of each database in detail. This course was afterwards implemented in e-learning format on the Moodle e-learning platform.

TheDigitalFashionMoodlee-learningplatform(https://www.advan2tex.eu/portal/) was firstly configured within the Erasmus+projectAdvan2Tex2014-1-RO01-KA202-2909. It includes at this moment the

Open Educational Resources (OER) of five Erasmus+ strategic partnership projects (Table 1).

Acronym/ Logo	Advan 2 Tex	of knowledge for innevation and competitiveness in toxile enterprises	Skills4Smartex	OptimTex Software tools for textile creatives	Digital Fashion Project
Title	E-learning course for innovative textile fields	Matrix of knowledge and competitiveness in textile enterprises	Smart textiles for STEM training	Software tools for textile creatives	Collaborative Online International Learning in Digital Fashion
Idea	VET of young professionals by advanced modules in textiles.	Support of innovation within textile enterprises by new R&D solutions	Supporting learning of basic disciplines by smart textile prototypes for practical VET	Support HEI students and young professionals in textiles by software for design and modelling	Train HEI students and young professionals in virtual prototyping of clothing
Duration	2014-2016	2016-2018	2018-2020	2020-2022	2022-2025

Table 1 – The 5 Erasmus+ VET projects with OERs

The e-learning platform is a Moodle e-learning platform.



Moodle <u>https://moodle.org/</u> is an open-source e-learning platform under a GNU license. The description of the DigitalFashion e-learning platform is based on the Moodle working modality. Please find general aspects regarding this working modality on the Moodle website: <u>https://docs.moodle.org/30/en/Main page</u> . For this reason, this user manual only indicates schematically the procedure of working with the https://www.advan2tex.eu/portal/ e-learning platform.

2. Access to the course

The procedure to login on the DigitalFashion e-learning platform:

- Access the URL address <u>www.advan2tex/portal/</u> or the project website <u>https://www.digitalfashionproject.eu/index.php</u> - TAB e-learning
- Log in with the username and password provided by the national coordinator.
- Select the national course you have been enrolled to, on the left block of the platform page.

Navigate through the e-learning course as follows:

- Books with the content of the module:
 - Navigate back and forward with the arrows
 - Jump at a certain chapter/ subchapter of the modules by clicking on the table of contents on the right side of the page.
- Presentations with synthesized content in PDF format:
 - Just click on the file
- Quizzes with multiple choice questions:
 - Enter a quiz several times for self-training, after having red and learned the module's content.
- Forum and chat:
 - Enter the forum to put questions to your lecturer, or
 - Enter the chat room to chat with other colleagues on the course's topics.

3. Structure

The DigitalFashion e-learning course is conceived in 6 national languages – English, Romanian, French, Slovenian, Dutch and Portuguese.

The e-learning course is structured in Topics format: each module is one topic. For each of the 6 modules of training in virtual prototyping, the course includes:

- I. Modules in Book format
- II. Presentations in PDF format with the synthetic content of the module.
- III. A Quiz activity for self-assessment and final multiple choice questions with one question and 4 possible answers.

In order to access the book of the module fashion database please click on the required module (Fig. 2), where following elements are available: the first page of the module with the learning outcomes (Fig. 3), the introduction of the module (Fig. 4) as well as the main content of the module fashion database (Fig. 5). All these subsections can be accessed by clicking the *Next (arrow shape)* button.

L-learning Ho	ine Dashboard My courses	
×	1	✓ FABRIC DATABASE
Fashion Database	e	
PPT - Fashion Da	atabase	Fashion Database
Quiz Fashion dat	abase	
Y FABRIC DATABA	ASE	PPT - Fabric database
Fabric Database	8	Quiz Fabric database
PPT - Fabric data	abase	



E-learning Home Dashboard M	y courses		
× :			
Announcements	DF_EN	/ Fabric Database	
Chat for Q&A on the course		Fabric Da	tabase
User manual simulation pla	Bool	c Settings Imr	oort chapter More ∽
Y FASHION DATABASE			
Fashion Database			
PPT - Fashion Database	1.	Learning O	utcomes
Quiz Fashion database			
✓ FABRIC DATABASE		MMON LEARNING TCOME	Understanding fabric properties, construction and real vs digital fabric for using fabrics database
Fabric Database	SPE	CIFIC LEARNING	Know important fabric properties
PPT - Fabric database	00	OUTCOMES Interpret fabric properties	
Quiz Fabric database			Understand real fabrics vs digital twin fabrics
✓ GARMENT DATABASE_Ca			Knowledge of fabric construction
Design cases			Knowledge of fabric visual properties

Fig. 3 – Learnings Outcomes section

<	:	Book Settings Import chapter More ~
Announcements	*	
Chat for Q&A on the	course	
User manual simulation	on pla	2. Introduction to the Fabric Database
FASHION DATABASE		A fabricis a textile material obtained through weaving or knitting technologies, or by different techniques lik spreading, felting, stitching, crocheting, or bonding, that may be used in the production of further products such as clothing or upholstery.
Fashion Database PPT - Fashion Databa	se	The characteristics of a fabric depend on various factors such as the type of fibres used, the weave or kni pattern and additional treatments or finishes applied. Fabrics can vary in terms of texture, weight, durability, and
Quiz Fashion databas	e	appearance, making them suitable for different purposes and applications, ranging from clothing and household textiles to industrial uses.
FABRIC DATABASE		The fabric database of this project consists in a structured and organized collection of types of fabrics, widely used in clothing industry and suitable for the garment models selected in the project. The database include
Fabric Database		fabric details such as raw material composition, fabric's specifications (e.g. weight, fabric identity, source and
PPT - Fabric database		Lectra pairing number, fabric image, colour code), construction description (type of weave/knit, the density o weave/ knit, thickness, elasticity, bending and stiffness properties, visual references as transparency, drapability
Quiz Fabric database		feel and touch). The database serves as a valuable resource for designers, in the textile and fashion industries aiding in the selection and understanding of different fabrics for clothing applications.
GARMENT DATABAS	6E_Ca	The fabric database consists in a total of 49 fabric samples (F1-F49). These fabrics are divided according to the
Design cases		intended garment, i.e. Men shirts, Men trousers, Women blouses, and Women skirts. The fabric parameter: include the fabric image, colour according to Pantone or RGB code, precise material composition, type o
PPT - Garment databa	ase	weave/knit, yarn density in the weave/knit, fabric weight, thickness, see-through (yes or no), and the touch feeling (rough or smooth) among other fabric properties.

Fig. 4 – Introduction section of the modules

E-learning	Home Dashboard	My courses			
×					
Announcemen	its	* DF	EN / Fabric Database		
Chat for Q&A	on the course	l (🕦 Fabric Database		
User manual si	imulation pla		Book Settings Import chapter More ~		
✓ FASHION DAT	TABASE				
Fashion Databa	ase				
PPT - Fashion I	Database	<	3. REAL FABRICS (PHYSICAL	FABRICS) DATABASE	>
Quiz Fashion d	latabase		3.1. Project Own fabrics, (Fabric i	nformation and specifications)	
	BASE		The fabric database consists total of 49 fabric sample colour according to Pantone or RGB code, precise m weave/knit, fabric weight, thickness, see through (ve	es (F1-F49). The fabric parameters defined are fabr naterial composition, type of weave/knit, yarn dens s or no), and the touch feeling (rough or smooth).	ric image, sity in the Table 2.4
Fabric Databas	se in the second se		shows an example of fabric specifications for F9 used	in Men trousers.	
PPT - Fabric da	atabase		Table 2.4.F9 Fabric technical specification		
Ouiz Fabric dat	tabase		Item	Description	
			Fabric code	TC2222/D8 Man travear - atula 2	
✓ GARMENT DA	TABASE_Ca		Cood in which gament rooyie	Casual gament	
Design cases			Image		
PPT - Garment	t database				
Quiz Garment	database ca				
U CARACTER D			L	The second control of	

Fig. 5 – The main content of the module

In order to get back to the course from either resource, click on the link from above with the language variant of the course in it (DF_[course_language]) or click on the desired link from the menu placed on the left side of the page (Fig. 6).



Fig. 6 – Access a new resource of the course

In order to access the synthetic content of the module, click on the link placed under the module link, named PPT_[module_name]).

Ø	Fashion Database		
Ð	PPT - Fashion Database		

The self-assessment test is formed of questions with each four answers and one correct answer (Fig. 7).

Quiz	Settings	Quest	tions Results	Question bank	More Y
Back					
Question '	1	What ar	e the basic steps	of fashion design?	
answered Marked ou 1.00	t of	Оа.	Creative process	and production of p	prototypes.
Flag que	estion	○ b.	Research, inspira collection and p	ation, creative proces resentation.	ss, production of prototypes, evaluation of the
(VZ (Idicit)		О с.	Research and in:	spiration.	
		○ d.	Evaluation of the	e collection and prese	sentation.

Fig. 7 – Print screen of the Quiz

Communication between tutors and trainees can be performed by 2 methods:

- the synchronous modality of the chat for asking a question using the *Chat for Q&A on the course* section (Fig. 8).

12:33 User DigitalFashion User DigitalFashion has just entered this chat		UD User DigitalFashion	
User DigitalFashion Question01?	12:33		DF_EN / Chat for Q&A on the course Chat for Q&A on the course Chat Past regions
		1	Enter the chat Use more accessible interface

Fig. 8 – The chat section

- the asynchronous modality for posting an announcement on the forum using the *Announcements* section (Fig. 9).

E-learning Home Dashboard	My courses
×	
✓ General	DF_EN / Announcements
Announcements	Announcements
Chat for Q&A on the course	General news and announcements
User manual simulation pl	
Y FASHION DATABASE	Search forums
Fashion Database	R
PPT - Fashion Database	(No announcements have been posted vet.)
Quiz Fashion database	

Fig. 9 – The Announcements section

C. Contact

For assigning to an e-learning course or regarding any question on the working modality of the e-learning platform, please contact the national coordinator of the DigitalFashion project.

The DigitalFashion project's partners have the following contact details:

	Institutul National de	www.incdtp.ro/
	Cercetare-Dezvoltare	
N.CED IP	pentru Textile si Pielarie	razvan.radulescu@incdtp.ro
		catalin.grosu@incdtp.ro
	Romania	
	Ecole Nationale	www.ensait.fr
ensait III Université	Superieure Arts	
teste o indentities trainer	Industries Textiles	xlanyl.zeng@ensalt.tr
		xuyuan.tao@ensait.fr
	France	
	Hogeschool Gent	www.hogent.be
CENT		alexandra.deraeve@hogent.be
GENI	Belgium	
	5	consmin.copot@hogent.be
	Univerza y Mariboru	www.um.si/fs/
		andreja.rudolf@um.si
Lipiversity of Maribor	Slovenia	
Oniversity of Mandon		tadeja.penko@um.si
	Centro Tecnológico das	www.citeve.pt
	Indústrias Têxtil e do	
C	Vestuario de Portugal	acardoso@citeve.pt
citeve		tsanto@citeve.pt
	Portugal	<u>_</u>
Tennice Citie	Universitatea Tehnica	www.tuiasi.ro
and the second se	Gheorghe Asachi din Iasi	iirina@tox tuiasi ro
And the second sec		
Ass Lass	Romania	mavad@tex.tuiasi.ro