



CALZIA



IES GINÉS
PÉREZ CHIRINOS



Erasmus+

DELIVERABLE D.2.2

“Learning method, training materials and resources”

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Descripción del Documento	
Nombre del documento	Learning method, training materials and resources
Resumen	Report including the training material, the workshop activities and the experiences in footwear companies for the new apprenticeship based on Politecnico Calzaturiero experience and Jute Footwear SMEs' needs in the Northwest area of the Region of Murcia
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1. TRAINING MATERIAL

In this task, the Appshoes partners have designed the training material, workshop activities and internship program in 11 companies of footwear based on the needs of the sector and in their working methods.

One of the first needs posed by the implementation of the Italian model to the Spanish system was the model of practices in the classroom. Given the absence of classrooms adapted to this new model of learning in any of the partners, the first action was to create a pilot shoe classroom, which had the minimum means to be able to face the pilot implementation with some success. To do this, the City Council of Caravaca was given the help of 260 m² to be able to carry out the practices in that classroom.



Another issue for the implementation of the Italian model, was to have equipment in type and number suitable for the correct development. This was one of the major challenges of the project, as given the high volume of investment and the risk of obsolescence that required to replicate the Italian model, it was unattainable with the budget heading established within the AppShoe project, being necessary additional sources of funding.

To solve this situation, a formula was sought between the two competent educational organizations, which in turn were project partners (SEF-CARM). This mechanism has been that the SEF, through its CVET modules planned within this experience, would provide sufficient financial means to provide the equipment rental for its proper development. This formula also meant that collaboration between both experiences, such as sharing the pilot classroom and therefore establishing cooperation mechanisms between the trainers of both experiences.

To point out that this formula of cooperation between the two entities has served to allow continuity in the time of training beyond the Erasmus+ project, since the sector required that the new training strategy not depend on the timely existence of funds to carry out the actions.

Another objective of the project was to make a package of training materials, based on digital technologies applied in workshops, using innovative technologies such as virtual reality.

In this sense it should be mentioned that given the difficulties that we find until we can provide the pilot classroom with the minimum infrastructure for its operation, since at the present time it has not yet been possible to implement all the modules in a way it has been impossible for us to make materials based on virtual reality.

That is why we opted for the filming of demonstration videos of the different shoe manufacturing processes carried out in the Calzaturiero Polytechnic for teachers, as well as demonstration videos for the students of the training courses for employment, which are available at <https://calzia.es/>



In particular, the following teaching videos have been developed

Teachers

<https://calzia.es/profesorado/>

1. Adhesive for fixing parts and reinforcement
2. Construction of the lining
3. Preparation of the cut
4. Lining assembly
5. Sewing of the lining
6. Refining and finishing



Apprenticeship

[Footwear and espadrilles sewing](#)

- Types of footwear with jute soles
- Sewing on column machine
- Application of adhesives
- Types of seams
- Hand cut on table

[Shoe cutting and pattern making](#)

- Shoe drawing with raised hand
- Shoe sketches
- Manual cutting with blade
- Drawing on paper on last
- Drawing patterns by hand
- Cutting materials
- Supply Chain: Shoe Finish
- Shoe CAD Design
- CAD Shoe Design 2



[Machining and assembly of footwear](#)

- Footwear in the region of Murcia. Notions, typologies and references. Factory organization. Security elements. Sustainability
- Pre-assembled
- Manual mounting on last
- Mechanical assembly



As for the rest of the training material for learning, it has been based on interactive materials and mostly elaborated for students

All the teaching material designed for this experience is available on the website

<https://calzia.es/Teaching materials>

- Specific themes for each modulo.
- Presentations for use (PPT- Prezi)
- Samples to disassemble
- Materials for the Team/Tools
- Individual Course Plan
- Portfolio of each student.



2. WORKSHOP ACTIVITIES (CLASSROOM AND IN-INDUSTRY)

The internship plan of workshop in classroom and in-industry, has been carefully explained in D.2.3. Teachers and in-company trainers structure.