

1st Year Project's Progress

The main achievements of the project for the first 12 months relate to the IO1, they are:

- **O1/A1:** Training Methodology Development
- **O1/A2:** ECVET Profile Development and Supporting Tools
- **O1/A3:** Training Content Development
- **O1/A4** Training Localization.

These activities are completed.

IO1 results

1. In activity O1/A1 a **training methodology** tailored to the needs of the target groups was developed based on the national reports and field studies conducted in participating partner countries.
2. In activity O1/A2 an **ECVET Profile** of “Advanced Manufacturing Techniques expert” and allocation system of ECVET points were created, while the Memorandum of Understanding and Learning Agreement were drafted.
3. In activity O1/A3 the ECVET Profile developed in O1/A2 was translated in the **3 training modules** (3D Printing, Robotics, Injection) of the training course being each one composed of 4 **chapters** that cover **12 specified skills**. For each training chapter the materials were developed and divided into **3 levels** (basic, intermediate and advanced) and supported by the **assessment process**.
4. In activity O1/A4 the training content was translated into Greek, Polish, Slovenian, Spanish.

Training Course:

Modules:

- 3D Printing
- Robotics
- Injection

Chapters:

- **3D Printing**
 - Knowledge of the 3D Materials
 - 3D Materials
 - CAD Modelling and 3D Design
 - Post-processing and Surface Finishing
- **Robotics**
 - Robot Operating System (ROS)
 - Using Robot Simulation Software
 - Artificial Intelligence-Basic
 - Autonomous Mobile Robots (AMR)
- **Injection**
 - Understanding Injection Process and Stages
 - Identify and Classify Plastic Materials
 - Preventive Maintenance
 - Quality Control Analysis

Training Course

In the framework of the the first Intellectual Output the training course and the content aiming to support the training of **VET teachers and students** were designed and developed.

Three modules were designed focusing on **3D Printing, Robotics and Injection** areas. Each module is comprised of **4 chapters** that have been decided through prior research of the consortium.

The training course has a total **duration of 72 hours**, being 30 hours of online learning on the platform and the remaining 42 of self-learning. Each module constitutes of a total of 10 online learning and 14 self-learning hours and is supported by the assessment process.



Meet the partners



Find out more about the project and the partners



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