



PILOT COURSES
FOR **RecoverIND** PROJECT
FPIP – VIITOR



Erasmus+

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Universitatea
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1. General information

The FPIP courses were, developed during the project's implementation, was presented in Romanian language as were the flashcards presentations used, all this for a better understanding for all participants, English versions of the teaching materials have been made available to assimilate specialized terms and basic notions.

At the end of each course, participants filled in feedback questionnaires. These questionnaires were translated and presented to the participants in Romanian language on paper. The age of the students varies from 17 to 55 years old, with different technical training from students to skilled workers, to technicians, to foremen and engineers. The courses were conducted with physical presence for all modules.

1.1 Selection of the participants

During the implementation of the project, several presentations were made to the students enrolled in the courses at FPIP, among them graduates of the electrical engineering faculty enrolled during photovoltaic installation installers course. As well as young people from the technical high schools from Technical College Mircea Cristea and Technical College Remus Radulet from Brasov, schools with which FPIP has collaboration partnerships on practical activities. We presented the modules that were developed within the project: drones and their use, 3D laser scanning, structural design, thermography, photogrammetry, LCA, building energy efficiency, 2D to 3D and 3D printed construction technologies. The courses were held outside school hours, face to face.

We also received help from the teachers of the institutions involved to implement these courses and select the participants. We have agreed together on the time, place and the way of the courses.

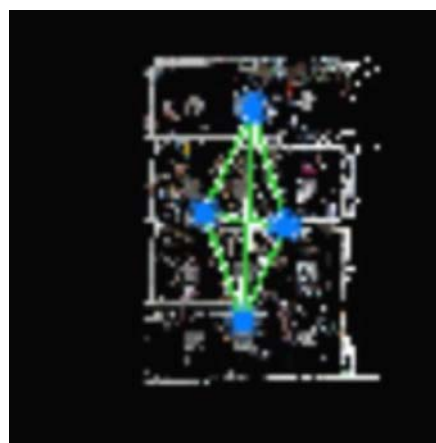
1.2 Presentation of the courses conducted

We organised 5 courses like this:

- 2 courses were organized at FPIP, attended by trainees enrolled in various courses within our organization.
- 1 course with students from Mircea Cristea Technical College
- 1 course with students from the Faculty of Electrical Engineering
- 1 course with students from Remus Radulet Technical College

1. In 29.09.2022, FPIP organised a pilot course, based on the partnership that exists between our organization (FPIP) and - Mircea Cristea Technical College. The materials disseminated to the students of these institutions have

aroused the interest of the student, specializing in Cad Design Technician. They were interested in participating in the *Practical applications 3D scanning in constructions* module. The course also had a practical part with the participation of Leika's representative with the 3D scanner; 22 students attended the course. The duration of the course was 2 hours.



2. On 19.10.2022 at the FPIP practice workshop course was organized: *DRONE and Stereofotogrammetry*, The module about *Drone* also included a practical activity with the support of Mr. Parfene Andrei . The participants are people who take part in the courses organised by FPIP: construction and installation technicians, photovoltaic panel installers, electrical installation technicians. They have been notified by email, sms of the organization of this meeting. A number of 23 trainees have shown interest in participating in this course.



3. FPIP organised a pilot course in 29.10.2022 at the Remus Radulet Technical College. (there is collaboration between the two organisations for practical activities in the field of practical training) This course was attended by students with the specialization of *Foreman in Electrical Installations and Equipment*, they were interested in *Thermography of electrical installations and switchboards*. 12 students attended the course. The duration of the course was 1 hour



4. The second pilot course at FPIP was organised on 19 November 2022. The participants were people who are enrolled in the training courses for technical installers in construction, photovoltaic installations. A number of 10 persons have shown interest in participating in this course.



5. On 24.11.2022 a pilot course was organized at the Faculty of Electrical Engineering. the course program and topic (Drones and Practical applications 3D scanning in constructions module) was posted on 17.11.2022, 11 am. The meeting was attended by 18 students.





1.3 Participants' recognition

Certificates of attendance were given to all the participant who participated to the pilot course. Some promotional materials like a folder containing a notebook and a pen, a memory stick with project's logo and a brief description of the project, were offered to all participants to be used during the pilot course and beyond.



ECOLOGICAL AND INNOVATIVE TECHNOLOGIES FOR RECOVERING INDUSTRIAL
AREAS FROM LCA AND ENERGY EFFICIENCY POINT OF VIEW

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CERTIFICAT DE PARICIPARE

La cursul pilot „RecoverIND - Recuperarea zonelor industriale din perspectiva eficienței energetice și a evaluării ciclului de viață al materialelor de construcții” desfășurat în perioada, în cadrul proiectului cu nr. 2020-1-RO01-KA203-080223, la Fundația pentru Formare Profesională și Învățământ Preuniversitar - Viitor.

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2. Impact

The courses were well received by the participants, most of them recognized the major impact of new technologies and equipment in the construction field, the importance of acquiring the skills to work with this new equipment and to manage this information.

The materials developed during the implementation of the project will also be presented in the framework that our institution is developing for adults. The materials developed during the implementation of the project will also be presented in the framework that our institution is developing for adults.