



Est. 2006

IME GSEVEE

Small Enterprises Institute
of GSEVEE



BILT Matchmaking sessions

Best practice: "Training and certification of knowledge & skills in selected professions in the construction sector in the field of energy saving"

(PROSKLISI 24)

Implementation: Application or development of innovative pedagogical methodologies

Helsinki

21.06.2022

Implemented by



with support of



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Innovation and Learning Practice

«Prosklisi 24»



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How does the ILP contribute to the identification of new qualifications and competencies, their integration in curricula and training regulations, and their implementation in teaching and training practice?

- **Climatic change** is causing **significant modifications** to the **environment** and the **professional world**, leading to **professional skills transformation** and **creation**.
- **European initiatives on energy saving and energy efficiency** for construction **requires specific training**.
- **New materials, new installation methods and institutional requirements for energy saving**, cause changes in the professional frameworks, but also, in the processes of acquiring and validating the necessary knowledge and skills.

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How does the ILP contribute to the identification of new qualifications and competencies, their integration in curricula and training regulations, and their implementation in teaching and training practice?

- Our initiative was partially the **result of a fruitful cooperation among professional bodies and federations and** has revealed the **importance of integrating updated technological developments to curricula of VET programs on Energy Saving subjects.**
- The **aim of the project was the acquisition of upgraded knowledge and skills in professional qualifications** for the strategic sector of Materials-Constructions, focusing on issues of Energy Saving.
- The scope of the project aimed in the possibility of **maintaining and strengthening jobs** in construction sectors, while at the same time initiate the adaptation of the wider sectors of the economy workforce, to the changes of the business and the technological environment

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How does your initiative address this challenge in a novel way?

- The project was **designed and approved to provide training and certification**, in a conventional way, i.e., with the physical presence of beneficiaries.
- **HOWEVER, the outbreak of the pandemic crisis COVID-19** and its serious consequences, led IME GSEVEE to **adopt distance learning using digital media**.
- In order to meet these needs, the organization **utilized existing human resources in order to activate the platform for the management of educational materials and digital courses**.
- More specifically, IME GSEVEE **transformed the existing educational materials** of conventional training into digital ones, **suitable for distance learning platforms**.

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What is the added value for the beneficiaries and positive impacts derived from the initiative?

- IME GSEVEE **created case studies for the remote implementation of the experiential part of the training and formed an Integrated Distance Learning System** owned by KEK GSEVEE, (the tool was granted free of charge for the purposes of the project and in order to meet all minimum functional and technical specifications).
- IME GSEVEE recreated all the necessary manuals, documents and forms, making any necessary adaptations needed for the implementation of distance learning.

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Does the initiative constitute a learning opportunity for other TVET stakeholders?

- The initiative involved the adoption and implementation of **an action path that could be adapted and replicated in different settings and by different TVET stakeholders.**



1. Detection of needs & skills



2. Occupational profiles design



3. Building Educational curriculum and content, methodology, development of educational material



4. Educational mentoring



5. Implementation of training programs



6. Evaluation of the training program



7. Validation/ Certification

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Which key elements have the potential to be adapted and replicated in different settings?

- The “**virtuous cycle**” or **action path** could be implemented by other actors.

Advantages of IME GSEVEE or our virtuous circle: from detection of skills to validation

STEP 1: Detection of needs and skills

STEP2: Occupational profiles design

STEP 3: Building Educational curriculum and content, methodology, development of educational material

STEP 4: Educational mentoring

STEP 5: Implementation of training programs

STEP 6: Evaluation of the training program

STEP 7: Validation / Certification

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IDENTIFICATION



1. Detection of needs & skills



2. Occupational profiles design



INTEGRATION



3. Building Educational curriculum and content, methodology, development of educational material



4. Educational mentoring



IMPLEMENTATION



5. Implementation of training programs



6. Evaluation of the training program



7. Validation/ Certification

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Implementation as best practice – Modular content

Formulation of five 50-hour vocational training programs based on diagnosis of labor market needs and related needs for the development of new skills and knowledge:

Energy saving techniques for :

- Plumbers
- Electricians
- Craftsmen for the installation of glass
- Aluminum iron manufacturers
- Refrigeration contractor

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Implementation as best practice – Thematic Training Topics

Provided subsidized continuing vocational training

- in a conventional way (physical presence),
- or with remote training (synchronous and asynchronous),
- or with mixed training (combination of conventional training and asynchronous remote training)

Provided certification (and remotely with internet surveillance) of the knowledge and skills acquired by accredited certification bodies, in accordance with the international standard ISO / IEC 17024.

Let's take a look at our
Innovation and
Learning Practice –
IMPLEMENTATION

 ΑΡΧΙΚΗ ΚΑΤΑΛΟΓΟΣ ΜΑΘΗΜΑΤΩΝ ΣΧΕΤΙΚΑ ΜΕ ΤΟ ΙΜΕ ΓΣΕΒΕΕ ΣΧΕΤΙΚΑ ΜΕ ΤΟ ΠΡΟΓΡΑΜΜΑ ΚΑΤΑΡΤΙΣΗΣ ΕΙΣΟΔΟΣ →

Καλώς ήρθατε στην πλατφόρμα εκπαίδευσης του ΙΜΕ ΓΣΕΒΕΕ

Έργο: "Κατάρτιση και πιστοποίηση γνώσεων και δεξιοτήτων εργαζομένων σε επιλεγμένα επαγγέλματα του τομέα των κατασκευών, σε θέματα εξοικονόμησης ενέργειας"



Αν συνεχίσετε να περιηγείστε σε αυτόν τον ιστότοπο, συμφωνείτε με τις πολιτικές μας (Πολιτική απορρήτου)

Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαϊκής Ένωσης

Let's take a look at our Innovation and Learning Practice – IMPLEMENTATION



Συνεχίστε το μάθημα

4-25. Τεχνικές εξοικονόμησης ενέργειας για τους ηλεκτρολόγους

6%

Καλωσορίσατε στο ηλεκτρονικό περιβάλλον εκπαίδευσης του ΙΜΕ ΓΣΕΒΕΕ.

Το πρόγραμμα τηλεκατάρτισης που παρακολουθείτε έχει συνολική διάρκεια 50 ώρες, οι οποίες αναλύονται και αφορούν:

- κατ' ιδίαν μελέτη ψηφιακού εκπαιδευτικού υλικού, που καλύπτει συνολικά 35 ώρες (ασύγχρονη τηλεκατάρτιση).
- πέντε (5) ομαδικές διαδραστικές εκπαιδευτικές συναντήσεις, παρουσία εκπαιδευτή, που καλύπτουν συνολικά 15 ώρες (σύγχρονη τηλεκατάρτιση).

Γενικός σκοπός του είναι να αποκτήσουν οι εργαζόμενοι του κλάδου των ηλεκτρολόγων καθώς και όσοι ενδιαφέρονται ή/και έχουν τη δυνατότητα να εργαστούν στον συγκεκριμένο κλάδο, τις ειδικές γνώσεις και δεξιότητες που απαιτούνται σε θέματα εξοπλισμού κτιρίου, ενεργειακής αποδοτικότητας και επιλογής και εγκατάστασης ηλεκτρολογικών υλικών. Πέρα από την παροχή εξειδικευμένων γνώσεων και τεχνικών στον τομέα της εξοικονόμησης ενέργειας το πρόγραμμα στοχεύει και στη γενικότερη παροχή πληροφόρησης και ενημέρωσης σχετικά με ενδεικτικές καλές πρακτικές που μπορούν να ακολουθηθούν στην καθημερινή λειτουργία με στόχο να υπάρξει μεγιστοποίηση της εξοικονόμησης ενέργειας.

Παρακάτω παρουσιάζεται ο πίνακας πληροφοριών του προγράμματος που παρακολουθείτε. Ο πίνακας αυτός περιλαμβάνει ενέργειες που θα ακολουθήσετε με χρονική σειρά για την ολοκλήρωση του προγράμματος καθώς και χρήσιμα αρχεία και άλλες πληροφορίες.

ΠΕΡΙΕΧΟΜΕΝΟ

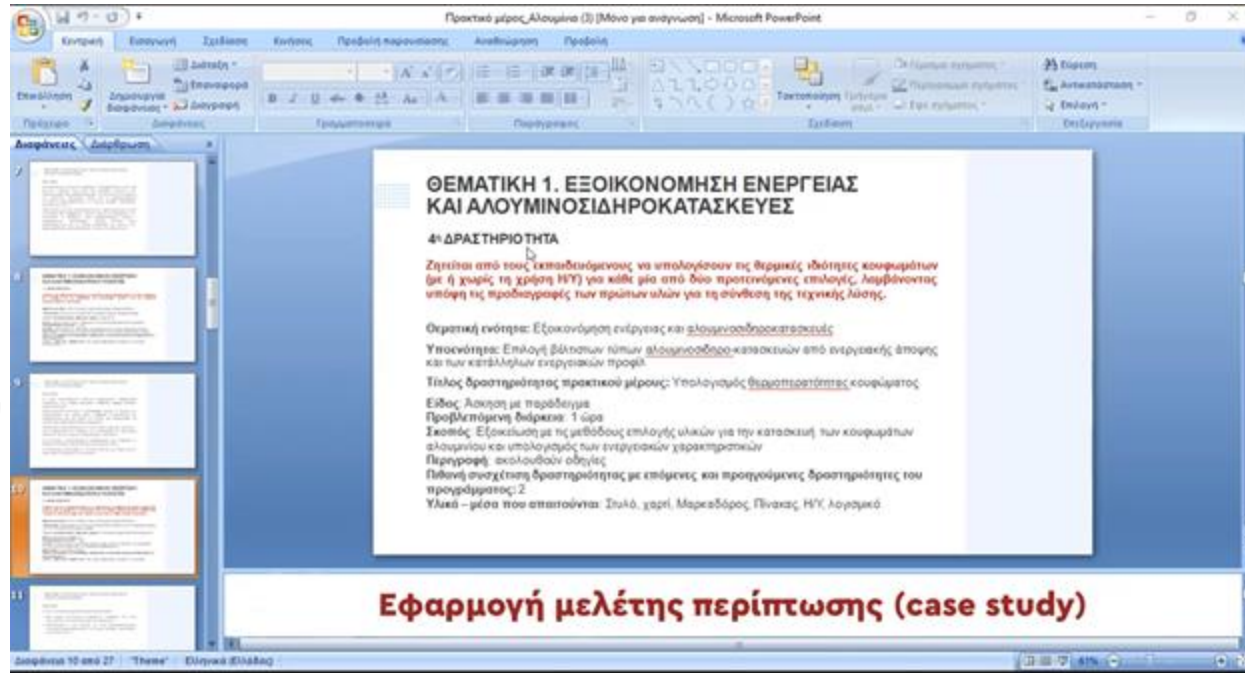
Ενέργειες έναρξης εκπαιδευτικού προγράμματος

- </> Απογραφικό Δελτίο Εισόδου Ωφελουμένων
- 📅 1η Ομαδική Συνάντηση
- 📅 Εκπαιδευτικές απαιτήσεις
- 📅 Σκοπός και εκπαιδευτικοί στόχοι του προγράμματος
- 📅 Προσδοκώμενα μαθησιακά αποτελέσματα / Γνώσεις & Δεξιότητες
- 📅 Αναλυτικά το πρόγραμμα κατάρτισης

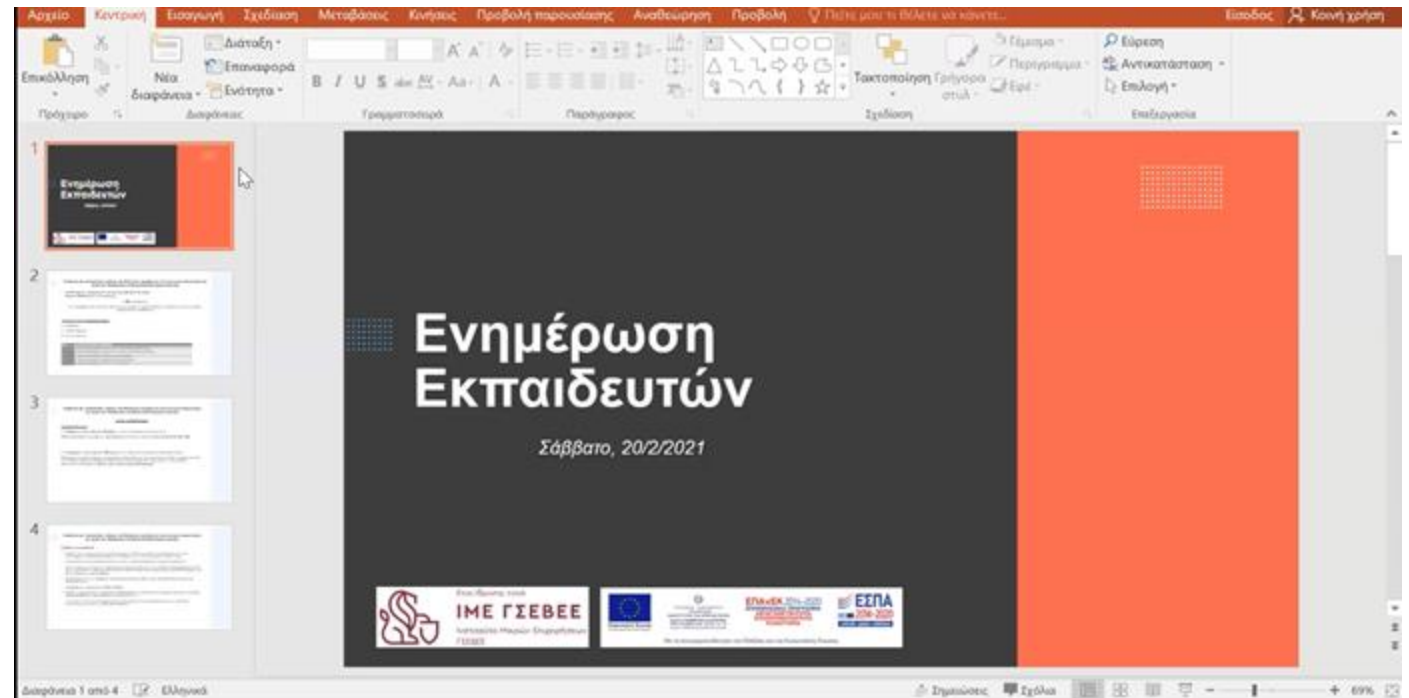
1. ΕΞΥΠΝΑ ΚΤΙΡΙΑ (11 ώρες)

- 📅 Θεματική Ενότητα 1 - Ηλεκτρολόγοι
- 📅 2η Ομαδική Συνάντηση

2. ΗΛΕΚΤΡΙΚΗ ΕΓΚΑΤΑΣΤΑΣΗ ΚΑΙ ΒΕΛΤΙΩΣΗ ΣΥΝΤΕΛΕΣΤΗ ΙΣΧΥΟΣ (11 ώρες)



Let's take a look at our Innovation and Learning Practice – IMPLEMENTATION



National AWARD as best practice «Prosklisi 24»



*Awarding Body: Operational Program Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPAnEK)

1. The **implementation of training programs**, which led to the certification of knowledge and skills acquired, concerned employees and sought to strengthen their skills, knowledge and techniques in matters related to the strategic sector of materials and construction and in particular with energy savings.
2. **The adaptation of the program** to distance learning and teaching, using digital media as a training tool.
3. The turning of the **educational materials** of conventional training **into digital ones**, suitable for an e-learning management system.

National AWARD as best practice «Prosklisi 24»



4. The creation of **case studies** for the remote implementation of the experiential learning of the training
5. The **adaptation** of all the above **to an Integrated Distance Learning System (OSTK)** owned by KEK GSEVEE
6. The **adaptation of all necessary manuals, documents and forms** for the implementation through distance learning.

National AWARD as best practice «Prosklisi 24»



Awarded this program for:

Training **1,467 employees**

Certifying **1,379 employees**

Thank you for your attention!

Kiitos huomiosi! 😊
