Piloting specialized social media for IIoTNet management and training

It will **consist of**:

- Elaboration of Report on piloting and update of management system of IIoTNet that will check level of strategy implementation, needed changes in the package of network governance and operation documentation and effectiveness of organizational analysis and developed Action Plans of each VET provider in IIoTNet.

- Producing a report on piloting and update of training system of IIoTNet that will check the integrated modules for career guidance, provision of training and learning services, peer counselling and opportunities for mentoring and industry placement, graduate learning and career tracking, viability of IIoT certification scheme.

- Guidelines for mobility, lifelong learning and EU funding in the field of IIoT that will present best practices and lessons learned in implementation of specialized social media and its platform.

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Erasmus+

IoTNet

Industrial Internet of Things VET Network

THE PROJECT

IIoTNET – "Industrial Internet of Things VET Network" is an ERASMUS+ KA3 – Support for Policy Reform Networks and Partnerships of Vocational Education and Training (VET) providers project. It starts on 01/10/2019 and ends on 24 months.
There are nine project partners from six European countries (Bulgaria, Latvia, Italy, Sweden, Greece, Cyprus).

The aim of the project is to create a VET Network with a certification scheme for professionals, being IIoT developers or users or sales workers, and training them to adapt and adopt a new common framework of best practices of the modern IIoT know-how in order to be able to combine effectively the knowledge and fundamental principles from various areas of expertise of cutting-edge technologies in the IIoT sector and gain a competitive advantage in their carrier path.

Specific objectives are:
- to support the uptake and mainstreaming of IIoT VET training and to promote the integration of talent development in collaboration with external stakeholders;
- to create sustainable institutional structures and ICT tools, enabling IIoT training and stakeholder co-creation in talent development;
- to build IIoT VET providers teaching capacities for delivering innovative training in view of building trainees' employability skills in fast growing industrial sectors.

OBJECTIVES

Industrial Internet of Things (IIoT) radically transforms contemporary industry, but unlocking its significant value is challenging and cumbersome. The emergence of the new technology is creating new skills gaps, shortages and mismatches, especially for micro companies and SMEs, which are in inferior position compared to large enterprises in manufacturing sector to attract and retain the scarce digital talents.

During the project, the partnership expects to achieve principally the following results:
- **Strengthen the cooperation** among VET providing partners in the IIoTNet through joint strategic planning for international cooperation and development projects for mutual leaning and capacity building.
- **Design and development of specialized social media network** for management and operation of IIoTNet. It is planned to use network platform for fostering cooperation, not only among partners but involving VET providers that do not yet contribute or benefit from European cooperation.
- **System for organizational analysis** of VET providers and action planning will be used to identify inefficiencies and streamlining of provided services, including level of participation in international cooperation.
- **Evaluation of IIoT trainees' progress against IIoT Body of Knowledge.**
  The definition of units of learning outcomes and their descriptions will be carried out in compliance with ECVET principles and technical specifications and the tools developed by EU ECVET network.
- **Development of IIoT Certification scheme.**
- **The EU developed model of Logical Framework** will be used for designing IIoTNet objectives and activities considering existing risks.
- **To develop and disseminate Guidelines for mobility**, lifelong learning and EU funding in the field of IIoT, that will present best practices and lessons learned in implementation of IIoTNet.
- **1-day trainings will be organised in each partner country** of VET providers' representatives that still not contribute or benefit from the European cooperation on effective use of IIoTNet and thus to improve their networking capacity and their access to EU funds.

ACTIVITIES

The project foresees the following activities:

A package of methodological documents in support of the process of establishing IIoTNet
It will consist of:
- Onlinebased/desk research IIoTNet National survey concerning the SMEs' situation in connection with IIoT technologies
- Publication of a Transnational report in support of SMEs in meeting the demands with clear overview of today's SMEs' situation in Europe in relation to Industry 4.0 in particular IIoT technologies;
- Mapping the strategy and development of Terms of Reference for IIoTNet; Development of the processes, policies and procedures for management and operation in an IIoT Handbook;
- Logical framework of the IIoTNet as an instrument for defining the network in a coherent manner;
- Action plans for capacity building of IIoT VET providers, based on organisational analysis of existing status at the initial stage of setting up the Network.

Design of a specialized social media for management and training – IIoTNet
It will consist of:
- Methodology for design and production of specialized social network for IIoTNet;
- IIoT Body of Knowledge which content is consulted by national stakeholder workshops;
- Development of online tool IIoT Learning Explorer that integrates the processes of e-career guidance, mentoring and graduate tracking studies;
- Design and production of IIoTNet specialized social media platform for management and operation of the network;
- Development of assessment standards for learning outcomes with Certification scheme for IIoT practitioners.