



Industrial Internet of Things VET Network

Project No 609085-EPP-1-2019-1-BG-EPPKA3-VET-NETPA

Newsletter No.1

Welcome to **IIoTNet** - “Industrial Internet of Things VET Network”!

IIoTNet is a 2-years European project within ERASMUS+ KA3 – Support for Policy Reform Networks and Partnerships of Vocational Education and Training (VET). The project was launched in October 2019 and aims 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.

Why IIoTNet?

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 the manufacturing sector to attract and retain the scarce digital talents. For this reason, IIoTNet project tackles these challenges effectively combining 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.

What are the IIoTNet objectives?

- 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 the management and operation of the IIoTNet for fostering the 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 for identifying 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 the implementation of IIoTNet.
- Organisation of a 1-day training in each partner country, targeting VET providers’ representatives, who do not contribute or benefit yet from the European cooperation on the effective use of IIoTNet. This way, the representatives will have the chance to improve their networking capacity and their access to EU funds.





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Our Team

IloTNet partnership is composed of 9 organisations from 6 European countries (Bulgaria, Latvia, Italy, Sweden, Greece, Cyprus) representing VET, HEI and research sectors aimed at:

- Supporting the uptake and mainstreaming of IloT VET training, promoting the integration of talent development in collaboration with external stakeholders;
- Creating sustainable structures and ICT tools, enabling IloT training and stakeholders co-creation in talent development;
- Building IloT VET providers' teaching capacities for delivering innovative training in order to build trainees' employability skills in fast growing industrial sectors.

Our Achievements

Development of a package of methodological documents in support of the process of establishing the IloTNet, consisting of:

1. Online-based/desk research and IloTNet National survey concerning the SMEs' situation in connection with IloT technologies;
2. Publication of a transnational report in support of SMEs in meeting their demands with clear overview of today's SMEs' situation in Europe, in relation to Industry 4.0 and in particular, IloT technologies;
3. Mapping the strategy and development of Terms of Reference for IloTNet;
4. Development of the IloT Handbook on the processes, policies and procedures for management and operation;
5. Logical framework of the IloTNet as an instrument for defining the network in a coherent manner;
6. Action plans for capacity building of IloT VET providers, based on organisational analysis of existing status at the initial stage of setting up the Network.

Current Activities

Based on the previous activity, the partnership is designing a specialised social media for management and training composed of: IloT Body of Knowledge, the content of which is consulted in national stakeholder workshops;

1. Development of the IloT Learning Explorer online tool, which integrates the processes of e-career guidance, mentoring and graduate tracking studies;
2. Design and production of IloTNet specialized social media platform for management and operation of the Network;
3. Development of assessment standards for learning outcomes with Certification scheme for IloT practitioners.
4. The first meeting October 2019, held in Sofia (BG) on October 10-11, 2019 after a short presentation of the partnership, the coordinator has illustrated the project (aim, activities to be done and objectives and the roles of the partnership); after each lead partner of project Work Package describes the activities to be done.

Upcoming Activities

Piloting specialized social media for IloTNet management and training, including the following activities:

- Elaboration of a report on piloting and update of management system of the IloTNet, that will check the level of strategy implementation, changes needed in the package of the Network governance, operation documentation, effectiveness of organizational analysis and developed Action Plans of each VET provider of the IloTNet.
- Producing a report on piloting and an update of the training system of the IloTNet, 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, and viability of the IloT certification scheme.
- Guidelines for mobility, lifelong learning and EU funding in the field of IloT, that will present best practices and lessons learned in implementation of specialized social media and its platform.



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