

Newsletter

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Inside the issue:

School Center Nova Gorica:

Introducing Talentjourney to Slovenian High and Vocational Schools

ECIPA Scarl:

Ecipa is now partner of VENETO GREEN CLUSTER, the Regional Innovative Network focused on innovation in the field of circular economy

ISIS Arturo Malignani:

Malignani and Sorint.Lab to launch on a partnership for promoting talent towards digital transition

Satakunta University of Applied Sciences (SAMK):

The show goes on

School Center Velenje:

Automation, robotics, machine vision

PARK Guiding Design Leaders:

Review of user journeys

Plan **of future** trainings

School Center Nova Gorica:

Introducing Talentjourney to Slovenian High and Vocational Schools

This March, School centers Velenje, Kranj and Nova Gorica organised a workshop for Slovenian High and Vocational School principals, which served as an introduction of Talentjourney's accomplishments, with focus on developed new modules and assessment of the ways to place them into the curricula of secondary vocational and higher education programs. The meeting was held over Zoom on Wednesday, March 10, and was attended by Principals from all over Slovenia and by representatives of Talentjourney partner CPI.

**Workshop,
School center Velenje,
School center
Nova Gorica,
School center Kranj,
CPI,
Developed modules,
New Curricula**

At the joint workshop we briefly presented the results of Talentjourney so far, including the prepared analysis of open curricula in existing educational programs. We discussed the placement of modules in educational programs and the possibilities of implementation of these modules in the coming school year as well as the medium-term steps and organizational changes needed for gradual introduction of the above-mentioned elements and their permanent integration into curricula. We presented the developed modules Artificial intelligence, Cyber security, Robotics, Development of production processes, Data science and two additional developed modules, namely Augmented Reality and Comprehensive Insight into IoT which also enable the acquisition of transversal competencies and green skills.

TALENT JOURNEY

Spremembe so potrebne. Kako jih bomo dosegli?

Delavnica za vodstvene delavce-online

10.3.2021

With the support of the Erasmus+ Programme of the European Union

POT DO SODOBNEGA SISTEMA POKLICNEGA IN STROKOVNEGA IZOBRAŽEVANJA

Učenje: Poučevanje, Organiziranje WP 4

Skills needs research in IoT WP 2

Professional development WP 3

Producing regional/national and international ecosystems WP 5

Digital identity, talent journey and skill brand as world reference point WP 6

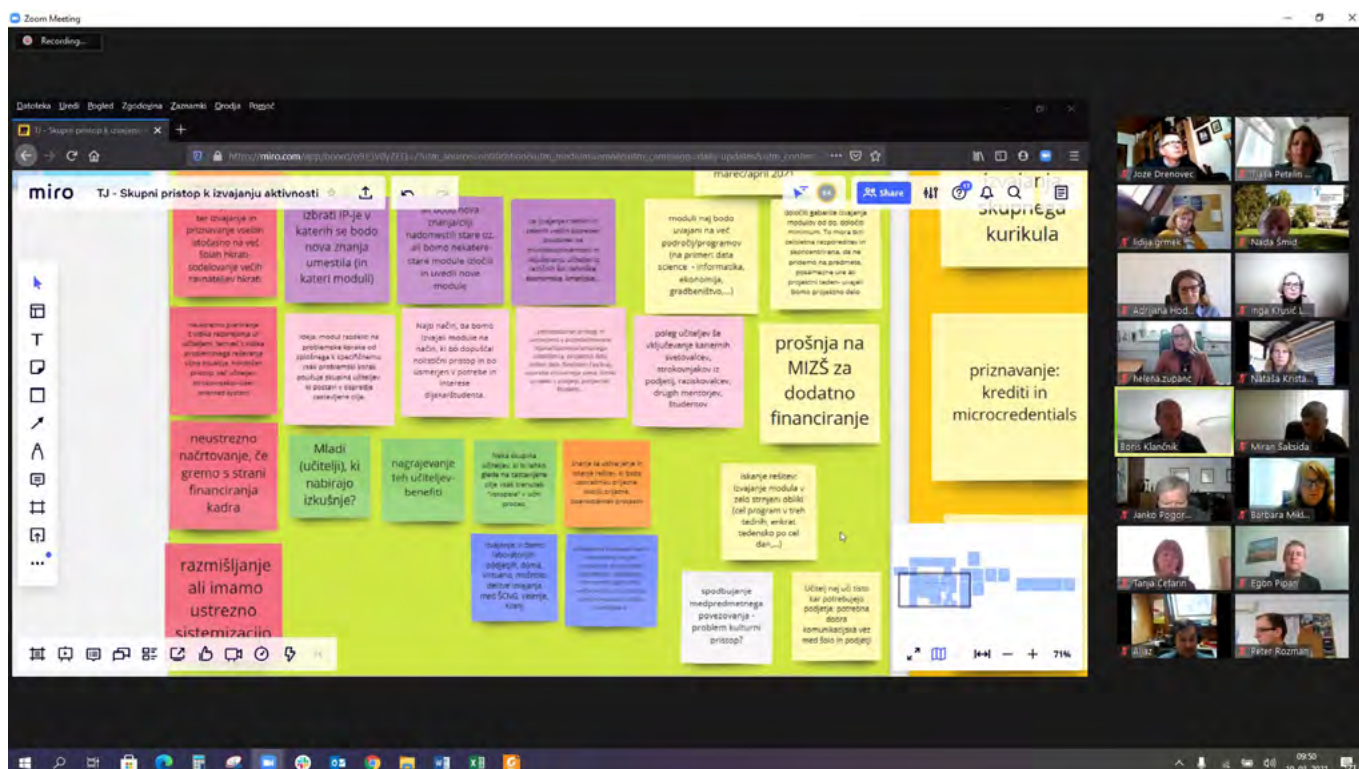
OPOMENKA: IZOBRAŽEVANJE

Framing the debate
What kind of society do we want?

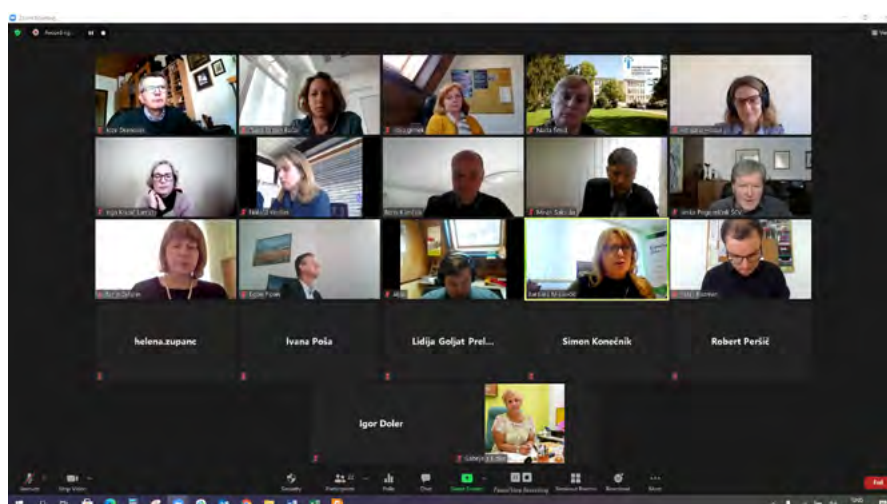
The Four Pillars of Education

- 1) Learning to KNOW
- 2) Learning to DO
- 3) Learning to BE
- 4) Learning to LIVE TOGETHER

10.3.2021, Antiquary Online



We agreed that the implementation of the programs need to be focused on the needs and interests of the individual (student, adult learner) and based on discovering and developing the potentials and talents of the individual, critical thinking and problem and team solving through project work and on use, development and innovation of technologies with an emphasis on digitalization. It has to be oriented towards multidisciplinary or connecting different areas, include new approaches to learning, teaching, organization. The role of the teachers has changed, they are no longer just mediators of knowledge, but also a guide for the learners and than needs to be



taken into the account when considering new teaching approaches and modernising the curricula. We also need to actively cooperate and network with companies, entrepreneurs, researchers and other stakeholders, and shift towards work in a creative environment, such as modern multidisciplinary demo laboratories, a lot of practical participation in companies and other stakeholders, online collaborative work.

ECIPA SCARL:

Ecipa is now partner of VENETO GREEN CLUSTER, the Regional Innovative Network focused on innovation in the field of circular economy

**Green Skills,
Regional Innovative
Network,
circular economy,
Green skills for
enterprises,
Green skills in VET**

Green skills are vital for the development of Industry 4.0. According to CEDEFOP, these skills, needed in the transition to a low-carbon economy, will be required in all sectors, including smart manufacturing, and at all levels in the workforce as emerging economic activities create new or renewed professions. In fact, the transition to a green or low carbon economy requires a workforce with the right skills in the right place at the right time. Demand will increase for generic and basic green skills as well as for completely new green occupations and skills, as they emerge. As it is pointed out in Talentjourney 2.1 Report »Skills Data Collection for Connectivity Devices and Services/CDS (IOT in Smart Manufacturing)«, four drivers of skills change in relation to green economy are: environmental changes; policy and regulation; green technology and innovation; and markets and consumer habits. On that account, VETs need to be open to embrace the 4.0 technological developments and engage with stakeholders to supply the necessary green skills that will be demanded through governmental policy change and societal pressure.

We are therefore happy to announce that Ecipa is now partner of VENETO GREEN CLUSTER, the Regional Innovative Network focused on innovation in the field of circular economy.

Veneto Green Cluster (www.venetogreencluster.it) involves industrial sectors oriented to the supply of environmental goods and services (green business) and companies committed to reducing the environmental impact of their production



processes and of its products (green production). Its main goal is to create the foundations of a virtuous system supported by a shared IT platform, capable of managing and capitalizing on all the various stages of research and experimentation aimed at recovering waste.



The objectives of the network, which bring together excellences in these fields, are:

- The research of industrial solutions to maintain, as long as possible, of the value of products, materials and resources;
- The development or experimentation of technologies for the valorisation of industrial waste and / or its reduction or inertisation;
- The promotion of a circular and sustainable economy, with low carbon dioxide emissions, capable of using resources efficiently and generating new competitive advantages

Being part of this innovative network is another step towards taking on one of TalentJourney project's identified challenges: to help companies in identifying their green skills needs and in discovering the opportunities stemming from a green economy.

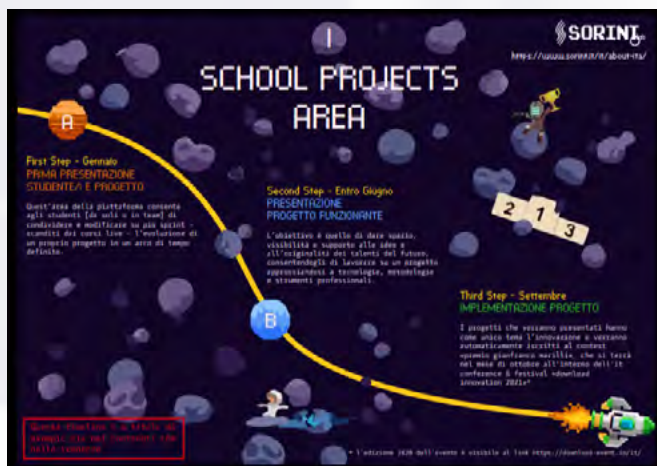
ISIS Arturo Malignani:

Malignani and Sorint.Lab to launch on a partnership for promoting talent towards digital transition

Sorint.Lab, a company operating in the field of services for digital transformation at international level, is going to collaborate with VET-provider ISIS Malignani through an online platform offering both project sharing capabilities and specific courses held by top professionals. The company is also proposing to co-operate within the scope of the Talentjourney project.

Strategic alliances, Trainings, Advanced Analytics and Machine Learning





Strategic alliances are needed and good practices need to be shared, too. With these objectives in mind, Malignani and Sorint.Lab are setting up joint actions which promise to enlarge the co-operations in the Talentjourney project.

Funded in 1985, Sorint.Lab is a company based in Bergamo, Italy with branches in Italy, Spain, the UK, France, Germany, Poland and the US. They provide consultancy and services to accelerate the digital transformation.

On account of their innate consideration for the promotion of talent among the youngest generations, Sorint lab co-operates intensely with education providers and has recently got in touch with ISIS Malignani, which has positively responded to their proposal of involvement in the IV edition of school contest Premio GF Marilli, centred on innovative projects developed by students from all over Italy. In this extremely difficult year the company has decided to support schools by providing a web platform including a School Projects Area hosting the evolution in time of students' projects related to IT, and a Course Area offering enterprising students a dedicated, innovative learning path guided by experts via distance teaching.

In the course of negotiations towards definition



of the above synergical activities, which were collectively referred to as SORINT4MALIGNANI, Sorint.Lab and Malignani discovered to be sharing the same views on skills development for future scenarios and this almost naturally led the two organizations to explore possible collaboration in the scope of the Talentjourney project.

We are particularly glad, therefore, to announce that a co-operation agreement is about to be signed, in the frame of which Sorint.TEK (<http://www.latek.it>), Sorint.Lab's Business Unit focusing on Advanced Analytics and Machine Learning, might undertake to provide interactive top-quality trainings, based on their long and widely recognized experience in the field of data collection from various devices and sources following different procedures (from realtime to batch processing) on the one side, and on the other side in data processing and integration in accordance with different criteria and levels of complexity, from ordinary reporting to the most recent and advanced techniques of machine learning and deep learning.

Stay tuned to learn more about this indeed promising partnership and the interesting opportunities it is bound to bring about!

Satakunta University of Applied Sciences (SAMK):

The show goes on

VR, AR, Gamification, Invitation to trainings

After the last training in February, Green Skills, half of Finland including SAMK went on a winter break. One week off was needed to recharge our batteries to have energy for the upcoming trainings. March offered two trainings: **Service robots and exoskeletons** and **VR, AR and gamification in smart manufacturing**. **Service robots and exoskeletons** training was led by Janika Tommiska and Anja Poberznik. It included excellent live mobile robot programming, an interview with a guest physiotherapist Taina Jyräkoski and live demoing of a medical lower limb exoskeleton. The number of participants on that training was low at the beginning but it rose towards the end. We were happy that the training resulted in some very good discussions. **VR, AR and gamification in smart manufacturing** training lead by Peter Virtanen was different in a way that it was pre-recorded. This gave the participants more freedom in scheduling their time devoted to engaging in the training. SAMK team had a lot of fun recording these clips.

*“At this point,
we would like to
invite you to the
two trainings
scheduled for
April: **Applied
IoT project
and IoT and
data enabled
services.**”*



At this point, we would like to invite you to the two trainings scheduled for April: **Applied IoT project** and **IoT and data enabled services**.



School center Velenje:

Automation, robotics, machine vision

**Webinars,
automation,
robotics,
machine vision,
IoT,
efficient
energy use**

In February and March Higher vocational School of School center Velenje organised two webinars on the topics of automatisisation and IoT. The webinars were intended for its students and open to public.

In February, students Interested in innovations in automation, robotics and machine vision in the industry could join a webinar led by M.Sc. Andrej Rotovnik, who presented his many years of experience as a part of the company Miel OMRON Ltd. which deals in industrial automatisisation.



In March, The Slovenian Association of Maintenance Workers and the Higher vocational School of School center Velenje organised an online presentation of the new postgraduate study program Electrical Engineering and lecturer Cveto Fendre held a professional lecture on the use of Internet of Things technology in efficient energy use and energy management of buildings.



PARK Guiding Design Leaders:

Review of user journeys

WP5, Explore, Draft of Service Blueprint

With the conclusion of the 'Explore' phase, the WP5 activities focused in gathering all the input to prepare a draft for the service blueprint.

Through iteration and reviews, a framework for the service blueprint was prepared. As the user journeys are of extreme relevance at this stage, they were carefully reviewed; it was later decided to further work on the adult learner journey, in order for it to truly reflect the profile of a learner seeking continuous education. Interviews and work sessions with real adult learners happened/are set to happen in the following weeks; already leading to some changes in the previous journey. Meanwhile, a mission/vision was delivered, with a set of principles in which the Talentjourney platform should be grounded on.

As the service blueprint should reflect the platform features/interaction with the user and properly respond to the ambition, further


reviews/approval are being sought for the vision and the service blueprint framework in order to properly continue with the WP5 activities.

Plan of future trainings



IoT applied project

 **12. 4. – 16. 4. 2021**

 Applied IoT project.


IoT and data enabled services

 **26. 4. – 30. 4. 2021**

 Cloud services, IoT and ERP.


Data driven decisions (AI)

 **10. 5. – 14. 5. 2021**

 Data science, data analytics, deep learning, neural networks, AI in Education.

Cybersecurity

 **24. 5. – 28. 5. 2021**

 Cybersecurity elements, threats, benefits, challenges.








Enhanced Manufacturing Operations with IoT

*Do you want to get involved in the project? Send us an **email**.*

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