Platform for IOT excellence

Centres for vocational excellence
virtual conference

16 June 2020
In a near future, the Internet of Things will drive most of the manufacturing processes – from product development to customer service.

IoT in manufacturing is happening and we’re part of it.
Chapter 1

Talentjourney idea
Project partners...

share the same idea to bring the partnership in VET provision to the excellence in IOT field in smart manufacturing with focus on solutions that are:

user oriented,
user friendly,
environment-friendly.
We are inspired by industry trends. We put learner first, co-create with users, base on strong partnership of experienced international EU partners, test locally and scale internationally.
Chapter 2

We innovate VET
Virtual conference

Learning process
Teaching process
Organisational models
Ecosystem models
Virtual conference

Skills needs research in IOT
WP 2

Professional development
WP 3

Regional/national and international ecosystem
WP 5

Digital platform Talentjourney and our brand as world reference point

User

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

We drive transformation by bringing together the capabilities needed to help organizations grow and thrive in the digital age. Through Talentjourney we will help modernize core technology, optimize and automate operations, create excellent digital experiences, and build digital talent and culture.

Keep searching for new talents, researchers, industry partners to constantly grow and shape the European IOT talent network and IOT data collection.
We work on
<table>
<thead>
<tr>
<th>IOT in SMART MANUFACTURING</th>
<th>META SKILLS</th>
<th>GREEN SKILLS</th>
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<tbody>
<tr>
<td>• AI/AR</td>
<td>• Decision making</td>
<td>• Lean manufacturing</td>
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<tr>
<td>• Cybersecurity</td>
<td>• Responsibility</td>
<td>• Technology and process development for natural resources protection</td>
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<tr>
<td>• Robotics engineering</td>
<td>• Problem solving // Critical thinking</td>
<td>• Risk management and assessment</td>
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<td>• Production process development</td>
<td>• Communication</td>
<td>• Installation of energy efficiency measures</td>
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<td>• Data science</td>
<td>• Curiosity and Creativity</td>
<td>• Green technology development</td>
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<td>• Teamwork</td>
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“IOT creates value by transforming conventional business models.”

“Young generations are introducing a flexible and agile way of working e.g. co-working, remote working. The number of external contractors and freelancers to get specific tasks done will increase...”
WP 3: Professional development to train key actors

- VET teachers
- In-company trainers
- Company experts
- Leadership

- design new educational processes through creation of innovative learning & working environment
- introduce innovative pedagogical approaches
- introduce constant knowledge flows on IOT in smart manufacturing to create user oriented, simple, eco-friendly solutions
Talentjourney provides inspiring and motivating training process and will face the needs and requirements of the modern society and economy.
Professional development

- 12 Professional trainings
- 4 Masterclass trainings
- Short webinars

by company experts, researchers, experts working in international corporations & research institutes all around the world
Professional development

Trainings
• IoT cybersecurity
• The Green IoT
• IoT analytics & visualization
• IoT data collection & management
• IoT in Smart manufacturing
• IoT & VR & AR
• User centricity and design thinking
• New organisational models

Channels and approach
• On-line and off-line personalized tutoring
• Learning, tutoring, working in virtual labs
• Augmented Reality as a training tool
• Hands on projects
• Learner-VET teacher-company trainer as co-workers
• job shadowing and company visits
WP 4: Transnational curricula & lifelong up/reskilling

- Develop transnational IOT curricula EQF 4,5
- Develop life long trainings/up-, reskilling
- Design and introduce innovative approaches into VET provision
- Establish demo labs
- Pilot curricula & trainings

Virtual conference
Important facts

1. Gain knowledge through learning-by-doing, screen-touching, using digital tools
2. Purpose-driven and authentic environment based on shared value
3. Establish a lifelong learning culture
4. Cooperative approach to work e.g. project based, teamwork,…
5. Fear of education older & low skilled people
Workforce of 2030

Gen Z

Gen Alpha
Skills for work & life

Slovenia:
School centres
Nova Gorica, Kranj, Velenje

Curiosity and Creativity
AI/AR

Installation of energy efficiency measures
Cybersecurity

Teamwork
Production process development

Emotional intelligence
Robotics engineering

Green technology development
Data science

Problem solving/Critical thinking
Skills for work & life

Italy, Finland: I.S.I.S A. Malignani
Sataedu

Problem solving

Robotics engineering

Green technology development

Critical thinking

Risk management and assessment

Virtaul conference
Skills for work & life

Estonia: Tallinn Polytechnic

- Lean manufacturing
- Communication
- Problem solving/Critical thinking
- AI/AR
- Production process development
- Robotics engineering
- Installation of energy efficiency measures
Connecting the expertise

- Learners
- VET teachers
- Leadership school & company
- Researchers
- Top experts from all around the world
- R&D departments
- University of applied science

Mentoring scheme & mapping video

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WP 5: Service blueprint for IOT Platform at regional and EU level

- Designing stakeholder ecosystem for VET excellence at EU level
- Designing stakeholder ecosystem for VET excellence at regional level
- Preparing the Memorandum of understanding for common collaboration inside our IOT Platform
“Young learners want to decide more about their own education and have co-ownership of the educational process and content.”

“Students lack an understanding of the bigger picture of industry and its applications. This is also one of the biggest industry needs: professionals who have a holistic view of CDS/IOT and automation.”
“It shouldn’t be only about organizations collaborating, but rather people. People need to take time to align views and understand what’s happening to other organizations. Talking to people is important. “
WP 6: Dissemination and exploitation of project results

- Project website with social media channels
- Visual identity
- Digital platform as a guidance of Talentjourney services
Social media channels

https://www.facebook.com/talentjourney/

#talentjourney

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Visual identity
All of this is possible because of the team we’ve come together.
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Thank you!

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