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UNIVERSITIES OF THE FUTURE

COLLABORATIVE DIGITAL SHIFT TOWARDS A NEW
FRAMEWORK FOR INDUSTRY AND EDUCATION

VANGUARD LEADERSHIP PROGRAM FOR INDUSTRY 4.0 Short-course (2 ECTS)

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ABOUT THE COURSE

This short-course (24h) will focus on “**Vanguard Leadership Program for Industry 4.0**” and aims to provide to the participants concepts and theoretical models related to human behavior stemming from cognitive neurosciences, promote continuous improvement attitudes, and develop soft skills that enhance the ability to lead the transformation to Industry 4.0 (I4.0). At the end of the course, the participants will:

- Be able of recognizing the added value of self-knowledge;
- Understand the basics of Human brain function;
- Be familiar with variables to predicting human behaviours;
- Improve leadership and teamwork skills.

SHORT-COURSE DESCRIPTION

The short-course (24h) is **open to the community**. It will be hosted by **Instituto Politécnico do Porto (P.PORTO)**, at the **Porto Design Factory (PDF)**, starting on **28th February 2020**, and during three weekends (February/March). The sessions last about 4h, from **2:30 pm to 6:30 pm** (Fridays) and **9 am to 13 am** (Saturdays).

SESSION

1

Introduction/Neurosciences, leadership and performance (28th Feb)

- The industry 4.0 – Trends, concepts and impacts
- Cognitive neurosciences: Coaching with the brain in mindEssential R concepts environment

SESSION

2

Healthy leadership: Self-conscious and purpose (29th Feb)

- Self-knowledge and the silver mind platter: balance the leadership energy
- Purpose, ethics and social innovation

SESSION

3

Efficiency and productivity (6th March)

- LEAN
- Agile methodologies

SESSION

4

Smart-teams, productivity and positivity (7th March)

- Team roles self-knowledge, feedback and high performance
- Synergy, synchronicity and tune: agile operations in I4.0

SESSION

5

Wise organizations and digital transformation (13rd March)

- C-suits conscious and organizational change
- Learning organization and leader coach behavior

SESSION

6

Feedback and Personal Development Plan (PDP) and a Team Development Plan (TDP) (14th March)

- Feedback skills (training exercises)
- Individual and team's presentations
- Course evaluation

PURPOSE AND MOTIVATION

Continuous training programmes/short-courses aimed at expanding the current offer of HEIs in terms of lifelong learning courses and providing innovative training paths to adult learners, interested in re/upskilling their knowledge and skills in topics related to industry 4.0 (same as listed above), better equipping them to undertake or keep pace with organisational/job-related changes. These courses will include a practical component, comprising hands-on projects.

The purpose of this course is to develop soft skills in its participants in order to better influence the organizational transformation that industry 4.0 implies. Organizational transformation requires a set of complex steps to achieve and where qualified people are key to catalysing change. These change leaders must be able to work in teams, as well as enhance their impact in creating the climate and culture that is prone to change.

With a theoretical foundation based on neuroscience and agile operations, we intend to prepare a team of transformation leaders through learning by doing methodologies, where every moment they are challenged to reinvent themselves as a person and as a team, to solve problems. The main soft skills to be developed are flexibility, creativity, teamwork, problem solving, critical thinking and decision making.

This continuous training course is free, and is part of the short courses programme that the Universities of the Future consortium is preparing to expand the current offer of academic partners in terms of lifelong learning courses. For further information please contact directly Prof Maria Teresa Pereira @ mtp@isep.ipp.pt.

REGISTRATION: to register in this short duration course, please fill the questionnaire available [here](#).