

# Smart-Edu4.0

## Multiplier Event

April 25th



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Erasmus+ Programme  
of the European Union

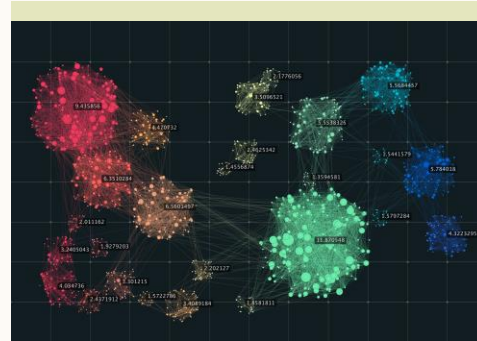


National Technical University  
of Athens

# RESEARCH AREAS



**OPTIMIZATION AND ORCHESTRATION IN 5G/6G NETWORKS**



**COMPLEX NETWORK ANALYSIS**



**KNOWLEDGE AND DATA ANALYSIS**



**MODELLING AND CONTROL OF DYNAMIC NETWORKED SYSTEMS**



**NETWORK MANAGEMENT & SECURITY**



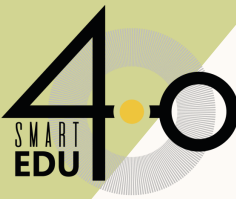
**CYBER PHYSICAL SOCIAL SYSTEMS**



**ICT FOR CREATIVE INDUSTRIES AND EDUCATION**



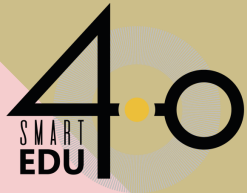
**SMART CITIES**



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# AGENDA

- Brief Introduction to the project
- Smart-Edu4.0 Project
- Mechatronics Courses
- Upskilling courses & Industrial training pathways
- Sustainability Course
- Discussion
- Dinner



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# A TRANS-NATIONAL SMART MANUFACTURING EDUCATION HUB

Industry-based

- i. New curricula
- ii. Adaptation of existing curricula

for undergraduate, postgraduate and continuous professional development (CPD) training programmes.

# MEET OUR TEAM (1/4)



**DR WASIF NAEEM**

Associate Professor



**PROF SEÁN MCLOONE**

Professor



**NIKOLAOS  
ATHANASOPOULOS**

Senior Lecturer

# MEET OUR TEAM (2/4)



**DARREN ANDERSON**



**ANDREW MEGARRY**

# MEET OUR TEAM (3/4)



**PROF. CONOR  
MCCARTHY**  
Professor



**DR EOIN HINCHY**  
Lecturer



**DR. SINEAD MELLETT**

# MEET OUR TEAM (4/4)



National technical  
university of Athens



**ELENI  
FOTOPOULOU**



**DR. ATHINA  
THANOU**



**DR. ANASTASIOS  
ZAFEIROPOULOS**

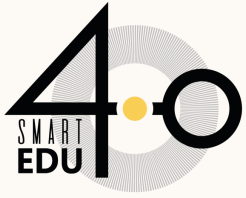


**DR. NIKOLAOS  
VOUDOUKIS**  
Laboratory Staff



**DR. SYMEON  
PAPAVASSILIOU**  
Professor



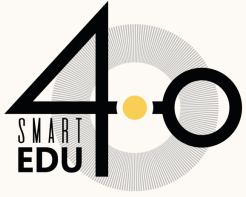


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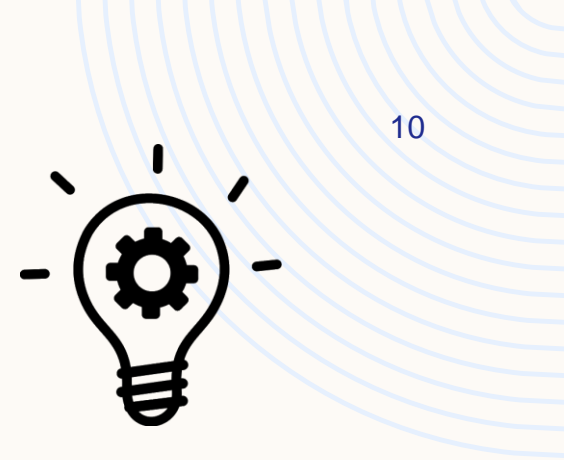
Project Start Date: 1 Sept 2020  
Project End Date: 31 Aug 2023  
Duration: 36 months

# PRIMARY GOAL

Review, Investigate and Develop Solutions for **managing skills gaps** in the general manufacturing sector as we transition to factories of the future and Industry 4.0 Smart Manufacturing



# PROJECT PRIORITIES



## Cross-Disciplinary Skills

Provide clear training pathways in digitalisation and sustainable manufacturing technologies

Support existing highly skilled workers to become Industry 4.0 leaders within their companies

Develop upskilling opportunities for existing low skilled workforce



# PROJECT IMPACT



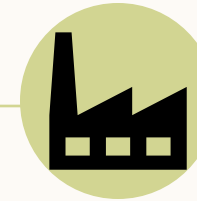
## STUDENTS

Gain necessary Work Skills  
for a successful career in  
Manufacturing



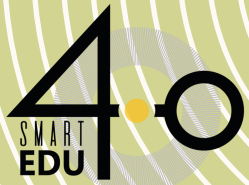
## ACADEMICS

- Teach new, timely skills  
much needed in  
Industry4.0 workforce
- Create new Research  
paths



## FACTORIES

Pool of high quality  
graduates



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## OUTCOMES

1. A **market research report** for Industry4.0 regarding undergraduate, postgraduate and CPD training programmes.
2. Curriculum Design Suitable for a Joint **Undergraduate** Provision in Manufacturing Mechatronics
3. Curriculum Design Suitable for a Joint **Postgraduate** Provision in Manufacturing Mechatronics
4. Joint **CPD** Programmes for **highly skilled workforce** to become Future Leaders
5. Joint **CPD** Programmes for upskilling **low-skilled** existing Workforce
6. Embedded international Mobility and Sustainability in All Training Programmes

# THANK YOU

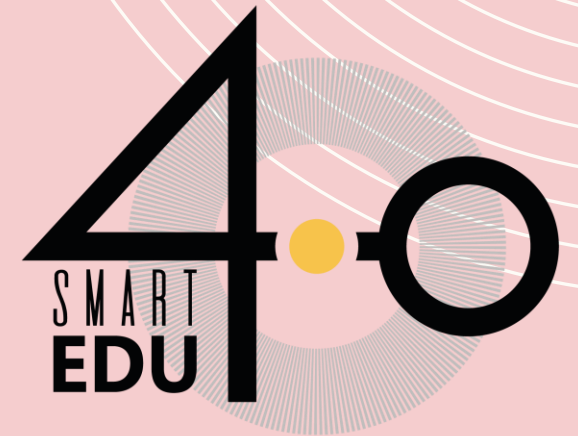
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<https://smartedu40.eu/>



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