



## REAL-TIME REMOTE LABORATORY

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### *Description of the innovative teaching practice*

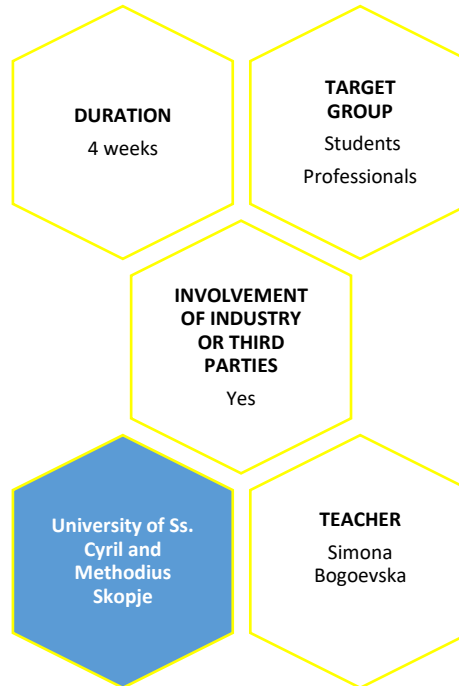
Each participant in the course will select an available lab experiment from a provided list of web platforms. The list of offered remote laboratories is predefined with involved companies. A specific case study will be appointed, and it will include conducting laboratory experiment. Depending on the covered curriculum, the laboratory web platform can be organised either as:

- Real-time autonomous laboratory
- Real-time remote (one-on-one) communication with lab staff
- Real-time simulation-based “experiments” for software developers

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### *Skills to be acquired/ improved:*

- **Soft skills – People related skills:** direct impact on Communication and Interpersonal skills (e.g. via discussions and planning lab work with appointed company staff)
- **Hard skills – Conceptual/thinking skills:** direct impact on Analytic thinking (e.g. enhance learning by evaluating experimental data, gained with involvement in all stages of planning and obtaining) indirect impact on Presentation skills (e.g. presenting full case study at the finalization of the course)
- **Business skills:** direct impact on Creativity/innovation (e.g. creating appropriate lab program) indirect impact on developing sense for managing and team work (e.g. apply management for lab staff coordination and team work)



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### ***Methods and techniques***

- Format > Case study and remote involvement
- Techniques completed with individual work: problem solving and planning strategies
- Techniques completed in teams: debate and demonstration with company support system,
- Available resources via e-learning platform: articles, presentations, forum

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### ***Methods for assessment and evaluation of the practice***

#### **Methods for assessment**

Final presentation of the case study with:

1. evaluation received from an appointed company representative
2. evaluation received from the course teacher

#### **Methods for evaluation**

Evaluation lists and feedback from students