



CERTIFICATE

of participation

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in the scientific and pedagogical intership:

"Use of innovative, information and pedagogical educational platforms and technologies in teaching IT disciplines."



November 21- December 23, 2024
Slovakia, Dubnica nad Váhom

Dr.h.c. prof. PaedDr. Tomáš Lengyelfalusy,
PhD.
rector of DTI University

The topic of scientific and pedagogical internship:

"Use of innovative, information and pedagogical educational platforms and technologies in teaching IT disciplines"

- **Course 1** (30 hours)

Integrating traditional lectures with online courses, videolectures, and interactive exercises on Moodle, Canvas, or Google Classroom platforms. Utilizing educational platforms for independent study and knowledge assessment

- **Course 2** (60 hours)

Development of courses aligned with ACM/IEEE standards, incorporating platforms such as Coursera, Udemy, or OpenEdX. Using GitHub Classroom as a tool to organize practical sessions in accordance with industry standards

- **Course 3** (60 hours)

Implementing gamified elements (points, rankings, achievements) on platforms like Moodle or CodeCombat. Developing interactive programming scenarios using gaming platforms (e.g., Minecraft Education)

- **Course 4** (30 hours)

Applying Jupyter Notebook for interactive learning in programming, machine learning, and data analysis. Creating interactive courses with practical tasks on the Udemy platform to enhance students' professional skills

Total hours: 180 hours (6 ECTS)

**Dates of the internship in Slovakia:
November 21- December 23, 2024**