



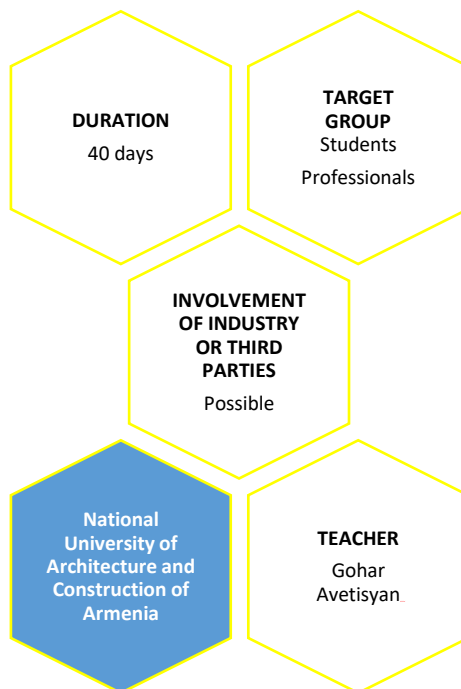
COMPUTATIONAL THINKING

Description of the innovative teaching practice

- During a period of 40 days the participants will have opportunity to develop new skills and challenge their behaviour by thinking and problem solving.
- With this learning process the participants will have opportunity to break large problems down into smaller ones (decomposition), recognize how these relate to problems that have been solved in the past (pattern recognition).

Skills to be acquired/ improved:

- **Soft skills – People related skills:** direct impact on Problem Solving Skills (through trial and error)
- **Soft skills – Personal skills:** direct impact on Professionalism (Professional Communication, Organizational skills)
- **Hard skills – Conceptual/thinking skills:** direct impact on Analytic thinking



Methods and techniques

- **Format** – Computational thinking
- **Techniques completed with individual work:** mental models, problem solving, task-solving.



- **Techniques completed in teams:** problem solving, debate, demonstration.
- **Available resources via e-learning platform:** task-solved samples, articles, video materials, presentations.

Methods for assessment and evaluation of the practice

Methods for assessment:

- Pre- and post- self-assessment
- Points achieved after problem solving

Methods for evaluation:

- Evaluation lists and feedback from students)