

# Information theory for IT practitioners

Kód kurzu: Q4IT\_ITFP

Overview of key components underpinning work in IT in knowledge era

## Pre koho je kurz určený

Innovation focused CIO, CTO, IT governance lead, chief Innovation director, team leader

## Čo Vás naučíme

The course is providing selection of key parts of information theory and collaboration network concepts relevant for IT management.

## Požadované vstupné znalosti

no, recommended understanding of Digital capabilities management model logic

## Osnova kurzu

Understanding between industrial era approach to IT management and recent development in information theories (for example cost of information) and its implication to IT management modernization.

SFIA skills: METL – Methods and tools, ORDI – Organization design and development

- Main attributes of industrial methods from IT management logic
- Selected parts of information theory relevant to knowledge era
- Cost of information, measurement and quality of information
- Rational inattention
- Collaboration networks
- Main characteristics of knowledge work from information theory perspective
- Decision making, probabilistic management, uncertainty of outcomes
- Practical examples and implications to IT management innovation
- Certification exam Information theory for IT practitioners

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