

AND MICROECONOMICS

FACULTY OF MANAGEMENT SCIENCE AND INFORMATICS ŽILINSKÁ UNIVERZITA V ŽILINE (UNIVERSITY OF ZILINA) SLOVAKIA

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Content

- University, faculty, department
- Ongoing projects & cooperation
- Focus on:
 - Human capital, human capital management process and Industry 4.0
 - Value management and value creation process
- Current and Future research





University, faculty, department



University of Žilina

Establishment: 1 953

Students: 7 800 Employees: 1 500

Teachers: 650

Faculties: 7



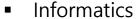
Establishment: 1 990

Students: 1 500 Employees: 140

Teachers: 101

Departments: 7





- Information Networks
- Management Theories
- Macro and Microeconomics
- Mathematical Methods and Operations Research
- Software Technologies
- Technical Cybernetics







Faculty of Management Science and Informatics Department of Macro and Microeconomics





Study programs Bc.:

- Informatics
- Management
- Computer engineering
- Informatics and management
- Information and network technologies



Study programs Ing.:

- Computer engineering
- Information management
- Information systems
- Intelligent information systems
- Applied network engineering



Subjects:

- Basic economics,
- Microeconomics, Macroeconomics
- Economic and law aspects of business
- Business economy
- Financial and managerial accounting
- Finance, Financial analysis
- Econometrics, Forecasting
- Tax and budget
- Law



Ongoing projects & cooperation





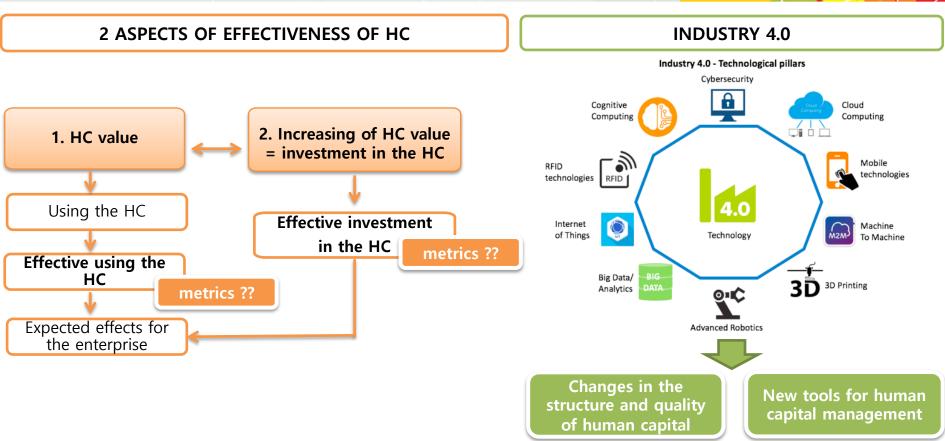
Projects of development and mutual cooperation between various universities and Department of Macro and Microeconomics

Cooperation includes:

- Joint publication activities
- Invited lectures
- Educational exchanges for students
- Organization and participation in video conferences
- Teachers mobility

Human capital, human capital process and Industry 4.0





Human capital management process and Industry 4.0



Organization strategy

Identifying the key skills and knowledge (key components of HC) for the achieving of KPIs

 $7. \\ Reporting$

2.Quantifying the HC value (identifying + designing the metrics)

Industry 4.0

6. Taking corrective measures for the increase of the HC efficiency + assessing of them

3. Measuring the HC efficiency in 2 aspects (identifying + designing the metrics)

Industry 4.0

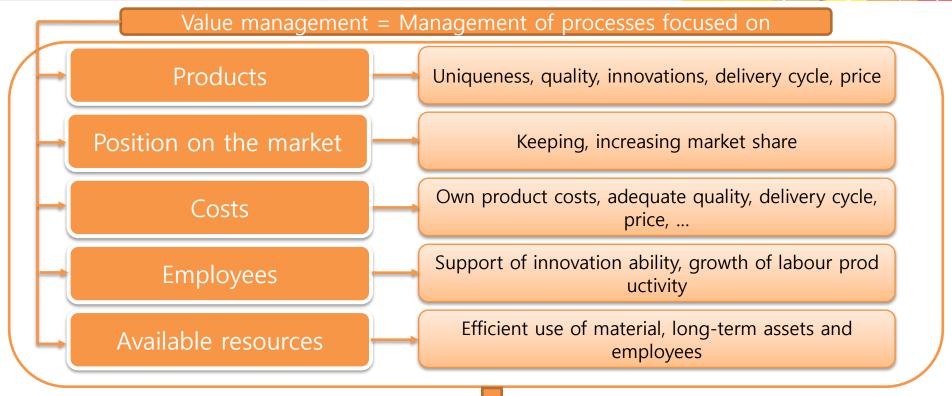
5.Identifying the shortcomings

4. Analysing, assessing and quantifying the impacts on the performance

Creation of value for the stakeholders (value management)

Value management and value creation process



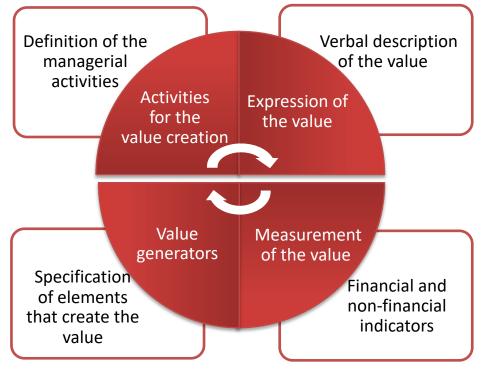


Expression in the economic results of the enterprise

Value management and value creation process







Theoretical basis

EN 1325:2014 Value management – Glossary – Terms and Definitions **EN 12973:2020** Value management



Current and Future research

Value management

Identifying and analysing the value indicators, generators, financial and non-financial metrics, managerial activities in the process of value creation for stakeholders of the company.

Human capital and Industry 4.0

Identifying and analyzing the impact and links of selected elements of Industry 4.0 on the process of human capital management as a modern concept working with the context of business sustainability and value creation for stakeholders

We are open to cooperation in the framework of international surveys regarding sustainability, shared economy, circular economy.



THANK YOU FOR YOUR ATTENTION



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