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## **AKTION Project Scientific Collaboration between the Czech Republic and Austria**

Final report of the project realisation

### **Product Innovation Planning**

**Project registration  
number:** 98p13

**Relevant project manager:** Ing. David Schüller, Ph.D.

**Project realisation period:** 2024



## **1. DESCRIPTION OF PROJECT**

The main objective of the project is to start a long-term cooperation between two universities in the development of laboratories focused on business process management, namely SmartLab at FH Joanneum Kapfenberg and LAPROCO at FBM BUT. Due to the extensive focus of both laboratories, the project will focus particularly on achieving of lean processes as a support in digitalization. The topic will be solved in two levels. The first level includes research stays serving to obtain information to analyse of the corporate environment and curricula. This will contain mapping trends in automation and digitisation of processes. The second level consists of bilateral professional workshops for students.

## **2. DESCRIPTION OF PROJECT RESULTS**

1. The project serves to initiate long-term cooperation
2. Research stays to acquire the scientific basis for the creation of a case study focusing on parts of the product innovation planning methodology, namely defining product requirements and preparing for their implementation within the product life cycle.
3. Expert workshops for students of the FP BUT and FH JOANNEUM - University of Applied Sciences focusing on the streamlining of business processes.

### **First result:**

Based on the project team's visit, visits were carried out to SMARTLAB in Kapfenberg and Laproco in Brno, and areas for further collaboration were identified. As a result of the discussions, a proposal for an international student project was developed, which will be presented at the Euroweek 2025 student project competition. Additionally, potential areas for workshops in teaching were proposed in Brno and Kapfenberg, focusing on product planning methods within the concepts of Just-in-Time, Six Sigma, etc.

### **Second result:**

As part of the collaboration between the two universities, a case study was developed focusing on the design and production of a specific product, darts. Within the framework of the case study, a workshop for students was organized, where methods of development in connection with the production process were presented. This case study will be used in teaching the



subject **Strategic Production Management and Business Systems** in Brno and **LEAN Management and Production Technologies** at University of Applied Sciences in Kapfenberg.

### **Third result:**

As part of the project implementation, two workshops for students were held: one focused on Lean Manufacturing, which took place at Brno University of Technology, and two practical projects using LEAN methods at University of Applied Sciences in Kapfenberg, focused on a case study related to the development of darts.

### **3. COMMENTARY ON THE USE OF THE FINANCIAL RESOURCES PROVIDED**

The project was granted a total of 15 300 CZK and 1080 €. Part of these funds was used to organize a visit to FH Joanneum in Kamfenberg, covering 2 918 CZK for travel expenses and 780 € as a flat rate for a 3-day stay (2 persons 3 days). Other expenses amounted to 3 480 CZK. The remaining funds (8,902 CZK) were unused and will therefore be returned.

Appendix: overview of the use of funds from 21.01.2024

In Brno 22.01.2025

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*Ing. David Schüller, Ph.D.*





Vytvořeno dne 21.01.2025  
Vytvořil/a Ing. Veronika Kolářčá

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