

Technical Project (Master) or Bachelor Thesis

Creating a learning unit: Introduction to process modelling - BPMN 2.0 with Signavio

The project aims to develop a learning unit for the introduction to process modelling using BPMN 2.0 (Business Process Model and Notation) with the Signavio Process Manager. The learning unit should provide students with basic knowledge of process modelling and enable them to use the standard notation BPMN 2.0 for the representation and optimisation of business processes in a practice-oriented way. In addition, the integration of modelling into existing company processes will be discussed.



Projekt Tasks

- Introduction to the basics of process modelling with BPMN 2.0.
- Development of a didactically sound learning unit that provides students with both theoretical knowledge and practical application skills in process modelling.
- Use of Signavio software to create and analyse BPMN 2.0 diagrams.
- Creation of exercise units and case studies for the practical application of process models in a business environment.
- Evaluation of best practices for process modelling and their optimisation potential in real scenarios.

Field of Study

- M&D , IBS (for Bachelor Thesis)
- Mechanical Engineering, MTM, MBIDA (for Master project)

Qualifications to improve (or to gain)

- Sound knowledge of BPMN 2.0 and process modelling.
- Practical experience in using the Signavio Process Manager for modelling and analysing business processes.
- Development of teaching materials and didactic concepts for an introduction to process modelling.
- Understanding of the integration of BPMN 2.0 in business software, such as ERP or workflow management systems.
- Analysis and optimisation of business processes through modelling.
- Independent learning and the ability to present complex interrelationships understandably.
- Scientific methodology and the ability to critically analyse process models.

Contact

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