

# Technical Project (Master) or Bachelor Thesis

## Creating a learning unit: Using SAC (SAP Analytics Cloud) for data analysis.

including the use of Business Builder and ERPsim (Use for the teaching modules ERP systems, supply chain management, and PPS-ERP systems)

The project aims to develop a learning unit on the use of SAP Analytics Cloud (SAC) for data analysis in operational processes. A special focus is placed on the integration of 'Business Builders' and on the data analysis of the business game ERPsim (based on SAP S/4 HANA). The project is designed to enable students to acquire practical skills in analyzing business data, particularly data generated when using ERP systems.



## Project Tasks

- Creation of a didactically sound learning unit for the introduction and use of SAC for data analysis.
- Integration of the Business Builder into the learning unit to enable students to analyze data and create reports and dashboards meaningfully.
- Implementation and support of ERPsim as a simulation tool to simulate realistic scenarios of ERP utilization and supply chain management.
- Analysing and presenting the possible uses of SAC in the context of PPC ERP systems (Transfact ERP and SAP S/4 HANA).
- Analysing the interfaces between the ERP systems, supply chain management and PPC modules in order to design a coherent and practical learning unit.

## Field of Study

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

## Qualifications to improve (or gain)

- Practical experience with the SAP Analytics Cloud and its application in data analysis.
- Use of the Business Builder to create interactive dashboards and analyses.
- Expertise in using ERPsim to simulate business processes.
- Understanding of ERP systems, especially in the context of production planning and control (PPC) and supply chain management.
- Scientific methodology and presentation of results.
- Programming skills (SQL, C, Python) and in-depth understanding of the integration of data analysis tools into business processes and databases.
- Independent work and analytical thinking in the development and implementation of learning units.

## Contact

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