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| 1. | Study programme title | **Big Data – Data Science, Analytics and Technologies** |
| 2. | Number of available places | 40 |
| 3. | Short description of the programme | The aim of the program is to provide   * knowledge on the design of efficient and robust models for statistical analysis of data * skills in designing, implementing and using data mining algorithms * skills in using technologies for big data processing and in implementing scalable applications. |
| 4. | Main subjects | * Big Data Technologies, Data Warehouses, Cloud Computing * Data Mining, Machine Learning, Data Analysis and Programming in R * Probabilistic Models for Data Science, Predictive Models and Analytics, Optimization, Biostatistics, * Text Mining, Computer Vision, Metaheuristic Algorithms |
| 5. | Student profile- what/whom are we looking for? | The target group consists of graduates of various undergraduate programs   * Informatics/Computer Science, Mathematics and informatics, Mathematics, Applied Mathematics, Economics * Computer Engineering, Information Technology   as well as other programs on scientific or engineering fields.  The candidate should have good programming skills and basic knowledge in mathematics, particularly statistics |
| 6. | Career impact and other relevant details | The graduates can apply for various positions related to data science and analytics:   * (Big) Data Scientist * (Big) Data Analyst * (Big) Data Engineer * (Big) Data Architect |
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