Text Mining						
Course code CIF61049		**student workload** 90 hours	**credits** (according to ECTS) 4.5	**semester** Sem. 5/7	**frequency** each odd-semester	**duration** 16 meetings
1	**Types of courses** Elective		**contact hours** 63 hours	**independent study** 27 hours		**class size** 40 students
5	**Prerequisites for participation** Must have taken Algorithms and Data Structures course.					
2	**Learning outcomes** IF-ILO-3 Graduates are able to develop professional careers in the field of computer science based on quality aspects, data-based decision making, be responsible, and make continuous improvements. IF-ILO-10 Graduates are able to analyze, design, build and evaluate an intelligent system that has the ability to learn from the environment. IF-ILO-12 Graduates are able to apply the principles of engineering to develop good quality software on top of various platforms.					
3	**Subject aims** 1. Students are able to understand the basic concepts of Text Mining 2. Students are able to understand and apply the stages for the Text Mining process 3. Students are able to understand and apply the use of Text Mining					
4	**Teaching methods** lectures, case study, class discussion, presentation					
6	**Assessment methods** assignment, mid-term examination, end-term examination, project evaluation, practical-skill assessment					
8	**This module is used in the following degree programmes as well**					
10	**Responsibility for module**					
11	**Other information** 1. Konchady, M., (2006) Text Mining application programming. Charles River Media. 2. Aggarwal, C. C. (2018) Machine Learning for Text, Machine Learning for Text. doi: 10.1007/978-3-319-73531-3. 3. Marmanis, H., Babenko, D., “Algorithms of the intelligent web”, Manning Publication Co,					

	2009. 4. Weiss, S. M., Indurkhya, N., Zhang, T., Damerau, F. J., “Text Mining: Predictive methods for analyzing unstructured information”, Springer, 2005. 5. Grossman, D.A., Frieder, O., “Information retrieval: Algorithms and Heuristics”, 2nd edition, Springer, 2004. 6. Liu, B., “Web data mining: Exploring hyperlinks, contents, and usage data”, Springer, 2007. 7. Wittern, I.H., Frank, E., “Data mining: Practical machine learning tools and techniquues”, Elsevier Inc, 2005.