



## Final project proposal

<b>Type</b>	Undergraduate/Master
<b>Title</b>	<i>Enterprise Knowledge Management</i>
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<b>Department / Group</b>	
Computer science and engineering	
<b>Topic(s)</b>	
Semantics, Enterprise Data, Linked Data, Open Data, Access Control, Visualization	
<b>Project can start from</b>	01.04.2014
<b>Project duration</b>	4 months
<b>Short description</b>	
<p>Every company owns a large amount of domain specific data, stored in a semi-structured or structured format. The information retrieval process in most cases is very time consuming. Even in the case of structured data, the data is closed in the company infrastructure and it is very difficult to combine it with other knowledge, both from the same or similar domains.</p> <p>The goal of this project is to provide methodologies and tools which will help in the process of defining a structure and creating links among the corporate data, in order to allow a more simple analysis. The main focus of the project will be to link the data from the corporate documents with its domain context, by using data extraction.</p> <p>In order to increase the value of the data for the analysis, the data from all available systems needs to be linked with the global domain knowledge. The main problem focus here needs to be put on methodologies for integration among heterogeneous systems and data.</p> <p>The biggest value of every corporation is its knowledge, represented by the data. Therefore, this project will also be focused towards analysis and development of an access control system, which will protect the linked and open data stored in the system.</p> <p>Visualization represents a key point in analytics. The large data quantities require simple and fast data filtering, as well as simple system configuration.</p>	
<b>Results and assessment</b>	
Development of software for enterprise knowledge management using semantic web technologies.	
<b>Other (additional) information</b>	