



Final project proposal

Type	Master	
Title	<i>Knowledge Discovery in Nutritional Data</i>	
Supervisor	Slobodan Kalajdziski	
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Department / Group		
Department od Intelligent Systems		
Topic(s)		
Knowledge discovery in data, nutrition		
Project can start from	01.04.2014	
Project duration	8 months	
Short description		
<p>By this project the student should research the area of nutritional characteristics and perform experiments for knowledge discovery in these data. The student should understand the nutrition analysis of ingredients used in every day meals, and he/she should analyze the nutrition facts databases and web collections of recipes. He/she should propose the most appropriate data model for representing and binding these data and implement technique for collecting and organizing these data (it may requires some form of natural language processing to perform these tasks). The main objective will be to analyze the data and extract knowledge about the groupings of ingredients in recipes according to their nutritional facts. If it is necessary, the classification algorithms should be run on a specialized Faculty lab for high-performance computing.</p>		
Results and assessment		
<p>The results the student should present as a project outcome are written report (or scientific paper), presentation, and experimental results. If the result is in a form of scientific paper, than conference acceptance of it would be enough for completing the project, otherwise the student should made public presentation of his/her work.</p>		
Other (additional) information		