Final project proposal

Type	Master
Title	*Question answering system (QAS)*
Supervisor	Katerina Zdravkova
e-mail	katerina.zdravkova@finki.ukim.mk
Department / Group	
Institute of Intelligent Systems	
Topic(s)	
Natural Language Processing, Information Retrieval	
Project can start from	01.09.2014 – 31.12.2014
Project duration	4 months
Short description	
Based on the pool of lectures, questions extracted from these lectures and multiple choice answers with only one correct answer, a QAS capable of predicting the most probable correct answer should be created. The project will start with an exhaustive research of existing closed-domain question answering methods. They will be implemented on the corpus which offers the correct answers to all questions. The answer proposed by QAS obtained by selected methods will be compared with the correct answer. An attempt to integration the most successful predictors into a new predictor will be an asset. The project is intended to be individual.	
Results and assessment	
Student should present the results of exploring QA methods, and create a QA system. QAS will insert the lecture, questions and associated answers, determine the most suitable part of the lecture where it can be extracted from, determine the most probable answer and compare it with the exact answer.	
The report consisting of QA methods, the creation of the system, as well the results of its evaluation should be reported and publicly presented. The efficiency of the system and the quality of the final report will be the crucial elements assessed by the supervisor.	
Other (additional) information	