REPUBLIC OF MACEDONIA
Ss. Cyril and Methodius University in Skopje
Faculty of Computer Science and Engineering
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Final project proposal

Type	Master
Title	***Co-authorship prediction based on peers similarity***
Supervisor	Prof. Dejan Gjorgjevikj
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Department / Group	
Software Engineering	
Topic(s)	
Data mining, Pattern recognition, Machine learning, Complex networks	
Project can start from	01.04.2014 – 01.03.2015
Project duration	4 months
Short description	
The goal of the project is bringing techniques from bibliometrics and scientometrics into the world of digital libraries for analyzing collaboration patterns and exploring the mechanisms that underlie community development. Harvesting data from public bibliography sites (arxiv, dblp), mining for patterns and trying to predict future co-authorship utilizing techniques from data mining, pattern recognition, machine learning and analysis of complex networks.	
Results and assessment	
Written report on extracting the data available on public bibliography sites, mining this data and developing prediction algorithms. The report should also include the results of the developed prediction model and its evaluation on hold-on data from the database.	
Other (additional) information	