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

P.O. Box 393, 1000 Skopje; Tel:02/30 88 255; www.finki.ukim.mk

Final project proposal

Type	Master
Title	*Analyzing and modeling of dances*
Supervisor	Assoc. Prof. Marija Mihova, Phd
e-mail	marija.mihova@finki.ukim.mk
Department / Group	
Theoretical foundation of informatics	
Topic(s)	
Mathematical modeling	
Project can start from	01.04.2014
Project duration	4 months
Short description	
Dances are composed of fast-paced movements. The student will work on some specific dance and he will collect and distinguish several characteristic attributes, derived from the dancer's lower body position data, which he will use for mathematical modeling of the dances. The project will cover analyzing of tact and tempo of corresponding music and work on problems about detecting of sound and dance matching.	
Results and assessment	
Written reports, developing some application for simulating, detecting of sound and dance matching, dance choreography, music recognition or visualization of dancing. The mark will be obtained based on all activities in the project.	
Other (additional) information	