GEDIZ UNIVERSITY COMPUTER ENGINEERING DEPARTMENT

COM 497- SENIOR DESIGN PROJECT I PROPOSAL FORM for INSTRUCTORS

Academic Year: 2015-2016

Semester: Fa	all
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1.Logistics		
Supervisor : Prof. Dr. Tae-Cheon Yang Proposal No. : 2 Proposal Date : 05/10/2015 Number of Students : 2 or 3 Prerequisites : Knowledge of data structur language C++ or Java or Python etc.	Co-supervisor: res, algorithms, and knowledge and ability of programming	
2. Subject Classification		
Algorithm animations, Data structures and	Algorithms, Visualizations.	
2. Title of Project		
Algorithm animations for a specific field of	algorithms.	
3. Description of the Project ¹		
An algorithm animation visualizes the behavior of an algorithm by producing an abstraction of both the data and the operations of the algorithm. Initially it maps the current state of the algorithm into an image, which then is animated based on the operations between two succeeding states in the algorithm execution. Animating an algorithm allows for better understanding of the inner workings of the algorithm, furthermore it makes apparent its deficiencies and advantages thus allowing for further optimization. In this project, we implement and visualize of a bunch of algorithms for a specific field of algorithms.		
4. Scope of the Project		
Implementing and Visualizing of a specific	field(such as sorting or priority queue etc.) of algorithms	
5. Goals of the Project :		
By the end of the project:1. Students are expected to be able to2. Students are expected to learn detail3. Students are expected to learn visual	implement and visualize algorithms. ls of advanced algorithms. lize techniques using a programming language	
4. Key techniques		
Algorithm animations, Visualizations.		
5. Project outcome		
An algorithm animation software.		
6. Hardware/Software/Lab/	Powered b	
¹ If necessary please use a separate sheet	Sayfa 1 / 2	

Equipment Requirements	
There is no specific lab and/or software requirements for this project.	

