GEDIZ UNIVERSITY COMPUTER ENGINEERING DEPARTMENT

COM 497- SENIOR DESIGN PROJECT I PROPOSAL FORM for INSTRUCTORS

Academic Year: 2015-2016	Semester:Fall
1.Logistics	
Supervisor : Asst. Prof. Dr. Ibrahim Furka Proposal No. : 1 Proposal Date : 05/10/2015 Number of Students : 3 Prerequisites : Image processing knowledge	an Ince Co-supervisor: ge including programming skills with Java or C++.
2. Subject Classification	
Image Processing, Computer Vision, Patter	n Recognition
2. Title of Project	
Video based Hand Gesture Recognition System for Disabled People	
3. Description of the Project ¹	
Hand Gesture Recognition is the fundemental step of sign language for those who have difficulty in speaking or hearing. By using the camera video, students are expected to develop such applications which can interpret gestures into semantic movements which will help disabled people to navigate their life by means of their sign language.	
4. Scope of the Project	
Students who are good at especially on programming are expected to apply to this project if they have a background on image processing. Scope of the project is to develop hand gesture recognition software for disabled people who cannot speak or hear.	
5. Goals of the Project	
*	e development cycle by their team mates opment of computer vision based application
4. Key techniques	
Project includes: Shape recognition and ma	chine learning based training of gestures.
5. Project outcome	
A video based hand gesture recognition sof	tware
6. Hardware/Software/Lab/ equipment requirements	
- Java or C++ as the programming la	nguage

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¹ If necessary please use a separate sheet