

ECE496 Section Assignment (by Supervisor, updated Sept. 15, 2011)			
Supervisor	Project	Project Name	Section
Abdelrahman	2011004	Hand motion controlled PC using kinect	8(Amza)
Abdelrahman	2011005	Refreshable braille display	8(Amza)
Abdelrahman	2011006	Kinect interface for PC games	8(Amza)
Adve	2011007	Wireless location using wifi network	5(Timorabadi)
Adve	2011009	Mobile data logging application for motor cycles	5(Timorabadi)
Adve	2011326	Accessibility Design for the Blind	5(Timorabadi)
Amza	2011013	Home monitoring system	3(Korst)
Amza	T18	Record System for Burn Patients in Developing Nations	3(Korst)
Anderson J	2011017	Virtual FPGA fabrics/ Implementation of virtual FPGA architecture	7(Gillett)
Anderson P	2011019	Engineering notebook	5(Timorabadi)
Anderson P	2011020	Large facility communication tool	5(Timorabadi)
Bardakjian	2011022	Analyzing feature sets of EEG signals	2(Kunov)
Barkakjian	2011318	Visualization of spatiotemporal EEG characteristics	2(Kunov)
Barkakjian	T04	TBA	2(Kunov)
Betz	2011025	Online 2D multiplayer game on Android	8(Amza)
Betz	2011027	Accelerating LU matrix factorization with OpenCL on different platforms	8(Amza)
Betz	2011325	An alternate reality game built on a smart phone platform	8(Amza)
Broucke	2011029	Control with complex specifications: the ball and beam experiment	4(Anderson)
Broucke	2011030	Cruise control design for the citycar	4(Anderson)
Brown	2011031	FPGA controlled robotic arm	7(Gillett)
Chan Carusone	2011036	Hardware implementation of error correction code	5(Timorabadi)
Chow	2011037	Household stuff finder	4(Anderson)
Dawson	2011040	FPGA design and implementation of a positive, negative and zero sequence synchronization system	3(Korst)
Dawson	2011041	Remote internet access for appliance control	3(Korst)
Enright Jerger	2011046	Virtual instant replay official	4(Anderson)
Enright Jerger	2011047	Vitruial instant replay official	4(Anderson)
Enright Jerger	2011048	Augmented reality turret defense game	4(Anderson)
Francis	2011049	Light integrated piano-tutoring system	1(Phang)
Frey	2011052	Kinect UI	2(Kunov)
Frey	2011053	Statistical analysis of biological sequences (RNA) using factor graphs	2(Kunov)
Frey	2011054	Twitter stock market prediction	2(Kunov)
Hamid	2011328	A mobile application to control a quadcopter and stream video	1(Phang)
Hatzinakos	2011064	Real time wireless sensor network data acquisition and display	7(Gillett)
Hum	2011073	Low cost radio telescope	6(Taglione)
Hum	2011074	Scalar network analyzer for antenna performance testing	6(Taglione)
Hum	2011075	Indoor position locator	6(Taglione)
Iravani	T20	TBA	3(Korst)
Istrate	2011303	Wireless optical power meter for holography applications	2(Kunov)
Jacobsen	2011079	Android stock market monitor application	8(Amza)
Jacobsen	2011080	mePeer - the ULTIMATE social cloud for academic, talent & career development	8(Amza)
Korst	2011310	A remote application for a robotic arm	7(Gillett)
Korst	2011311	Redefining the modular synthesizer	7(Gillett)
Korst	2011323	Android application for image recognition on the game "SET"	7(Gillett)
Kwong	2011094	Kinetion (kinect Robotics Integration)	3(Korst)
Kwong	2011095	Kinobot	3(Korst)
Lehn	2011097	A portable power system	5(Timorabadi)
Leon-Garcia	2011102	Bandwidth virtualization in large-scale datacenter ethernet networks	2(Kunov)
Li	2011106	Instant idea sharing application on apple iPad 2	2(Kunov)
Li	T12	TBA	2(Kunov)
Liebeherr	2011115	Building mobile service overlay networks with Android phones	5(Timorabadi)
Liebeherr	T22	TBA	5(Timorabadi)
Lilge	2011306	Image analysis tool for oncology	7(Gillett)
Maggiore	2011124	Robotic rescue worker	3(Korst)
Maggiore	2011126	Control of the Rio Vista bridge	3(Korst)
Nagai	T02	TBA	8(Amza)
Pavel	2011146	Distributed control for vehicle convoying	3(Korst)
Pavel	2011147	UAV autopilot with object recognition and tracking system	3(Korst)
Phang	2011148	Architecting a professional network for the friends of design	2(Kunov)
Phang	2011149	A solid state lighting palette	2(Kunov)
Popovic	2011324	Development of functional electrical stimulation system for controlling Knee	1(Phang)
Prodic	2011157	KERS for a scooter	6(Taglione)

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Prodic	2011158	Implantable medical stimulator	6(Taglione)
Prodic	T13	TBA	6(Taglione)
Rose	2011163	Sign language translator using Kinect	4(Anderson)
Rose	2011164	GO connect	4(Anderson)
Sarris	2011171	Wireless radio wildlife monitoring	1(Phang)
Sarris	T21	TBA	1(Phang)
Sheikholeslami	2011172	A robot controlled via internet using an IP address and a WiFi network	7(Gillett)
Shokrollah-Timora	2011320	Smart shopping system	8(Amza)
Shokrollah-Timora	2011322	Dynamic newspaper	8(Amza)
Sousa	2011175	Mobile data logging application for motor cycles	6(Taglione)
Sousa	2011176	Assistant Coach	6(Taglione)
Steffan	2011178	Improved TV via FPGA-based HDMI transformation	6(Taglione)
Steffan	2011179	Horizontal-microcoded soft-processor	6(Taglione)
Stickel	2011315	Kinect controlled device	7(Gillett)
Stickel	2011317	Vehicle blind spot assist	7(Gillett)
Stumm	2011181	Livewear	8(Amza)
Tate	2011184	An energy harvesting watering system	4(Anderson)
Tate	2011185	Monitoring energy consumption at circuit level	4(Anderson)
Tate	2011186	Impact of communications on the reliability of modern grid	4(Anderson)
Trescases	2011187	Mico-inverter and solar tracker controller for POV application	6(Taglione)
Trescases	2011319	Management of a PV/ultracapacitor/battery TRIO to drive a general low-power load	6(Taglione)
Trescases	2011329	Electric braking	6(Taglione)
Valaee	2011193	An indoor GPS by an Android smartphone	5(Timorabadi)
Valaee	2011194	Location finder - iPad application	5(Timorabadi)
Valaee	2011195	Indoor navigation system using a smartphone with obstacle detection for the visually impaired	5(Timorabadi)
Voinigescu	2011201	110-Gb/s PRBS generator design in SiGe BiCMOS	7(Gillett)
Voinigescu / Rose	2011199	150 GHz imaging array and experiments	7(Gillett)
Wang	2011300	Design and fabrication of a scientific demonstration set-up/model (Team 1)	3(Korst)
Wang	2011307	Design and fabrication of electricity generation and distribution set-up/model (Team 2)	3(Korst)
Wong	2011202	Portable eye tracking system for gaming and user interfaces	1(Phang)
Wong	2011204	Automatic news parser and stock trading program	1(Phang)
		Number of Projects	92
		Number of Students	258