

Team	Project Title	Score (1-10)	Notes
1	Acceleration of Point Correspondence Model (PCM) Construction in Cone-		
2	Accelerated Discrete Wavelet Transform		
3	Accelerated 2D Wavelet Transform using GPUs		
4	Spring Mass System Simulation		
5	Christophe Brown		
6	Data Augmentation Techniques for Deep Learning Using Cuda, OpenCL, a		
7	Parallel Particle Swarm Optimization		
8	Image Preprocessing for Convolutional Neural Networks using Parallel Cor		
9	Image Preprocessing for Convolutional Neural Networks using Parallel Cor		
10	U-Net Parallel Computing		
11	Acceleration of Spectral Domain Phase Microscopy for Optical Coherence		
12	cuTensor: Efficient Primitives for CP and Tucker Tensor Decompositions o		
13	Acceleration of Image Segmentation		
14	CUDA implementation of recommender systems.		
15	PyCUDA Approach to Accelerated Canny Edge Detection		
16	Parallelized Singular Value Decomposition for Principal Component Analys		
17	Object Detection & Tracking in an open environment using cameras		
18	Smart Fridge Camera		
19	Drone Mailbox		
20	Health condition monitoring Platform		
21	Smart Fridge		
22	Smart Baby Cradle		
23	MOVABLE TRASH-CAN WITH INTELLIGENT SORTING IN OFFICE		
24	MusicalBooks		
25	A Smart Pill Dispenser to Improve Patient Medication Compliance		
26	Kill-A-Watt		
27	Signaling the Health of Tree-pit Soil		
28	SUCS: Shared Utilization of Common Spaces		
29	Motion Sensing Game - Magic Sword		
30	Smart Shopping Bag		
31	Jenny Go		
32	PatientProtect		
33	Music Band on Hands		
34	ComMusic		
35	Smart Gardener		
36	Scanning Laser Confocal Microscope for Cochlear Imaging		
37	A zero-working-distance high numerical aperture objective used for total int		
38	Efficient Optical Coupling from MicroLED for On-Chip Applications		
39	Chirped Pulse Amplification		
40	The Schmidt-Cassegrain Catadioptric Telescope		
41	Optical Systems of Nocturnal and Diurnal Geckos		
42	Vary Focus Length Objective Lens of Endoscope		
43	Configurable Aperture Space Telescope Modifications		
44	Modeling chromatic aberrations in Time-Resolved Photoluminescence Micr		
45	Pulse of the City: Spatio-Temporal Twitter Content Analysis		
46	3D Visualisation and Electrophysiological Modelling of the Left Atrium		
47	SPIDERS: Low-Cost Wireless Glasses for Continuous In-Situ Bio-Signal Ac		
48	Camera Auto-Calibration		