Graduation Project Ideas

#	Topic/Idea	Alg	BC	CC	CV	ES	GIS	HMI	HPC	IoT	MA	ML
1	Anti-counterfeit Drugs	x	X	X			x					
2	Augmented Reality in Education [projection augmepted model]	X			X			X	X		x	X
3	Automated Planning and Scheduling	X									X	x
4	Automatic Number Plate Recognition	x			X				x			x
5	Blockchain Applications [healthcare, finance, etc.]	X	X								x	
6	Brain–Computer Interface (BCI)	x						X				X
7	Camera-based 3D Scanner	x			X				x		X	x
8	Cross-platform Lightbot-like Game [with Egyptian theme]	x									X	
9	Crowdsourcing-based Road Map Production [a real application]	x					X				X	X
10	Dashboard [you can get started here]	x						X				x
11	Decision Support Systems (DSS)	X					x		X			X
12	Digital Storyteller/Story Maker [you can get started here and here]							x			X	
13	Eye Tracking	x			X			X	x		x	X
14	Fleet Management	X		x	x	x	X			x	x	
15	Home Automation	x		X	x		x	x		X	x	
16	Indoor Positioning System	x					X				x	X
17	Iris Detection, Segmentation, and Recognition	x			X				x		x	
18	Mobile Learning [especially for kids]							x			X	
19	Multiagent-based Timetabler [you can get started here]	X									X	x
20	Piezoelectricity-based HMI [you can get started here]	x						X			X	
21	RFID-based Crowd Management [a real application]	x					X					X
22	Scratch Controlled Robot	X			x						X	x
23	Sharing Economy [ridesharing, home-sharing, etc.]	X					X				x	
24	Smart Parking Information System	x		X	X		x			X	x	
25	Smart Surveillance	x			X				x		x	x
26	Smart Wearable/Wearable Technology	x				X		X			x	
27	Sound Recognition and Localization [a real application]	x						x	x		X	X
28	Spatial Data Mining (Data Mining on Spatial Data)	x					X		X			X
29	Speech Recognition-based Quran Teacher [a real application]	X						X			x	X
30	Steganography	X			x						x	
31	Text-to-Speech-based Quran Reciter [a real application]	X						X			x	X
32	Time Series Prediction [Weather, Stock Market, etc.]	X							X			x
33	Vehicle Routing Problem	X							x		x	
34	Virtual Robotic Competition [RoboCup, Battlecode, etc.]	X										

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