

Project ID	Title	Main Supervisor	Thematic Programmes	Moderator	No. of Students
E079	Design and development of a cognitive robotic vacuum cleaner	Er Meng Joo	EEEbot ☑ The Robotic Challenge Programme	Cheah Chien Chern	10
E066	Design and Development of an Automatic Rain Detection and Clothes Protection System	Er Meng Joo	EEEbot ☑ The Robotic Challenge Programme	Hu Guoqiang	10
E062	LIFTY - A ROBOT TO ASSIST AN INDIVIDUAL IN DAILY TASKS	Wang Han	EEEbot ☑ The Robotic Challenge Programme	P N Suganthan	10
E032	Face Recognition on PCA Project	Wang Han	EEEbot ☑ The Robotic Challenge Programme	Wang Danwei	10
E064	Energy-Efficient Robots for Motion and Task Cooperation	Hu Guoqiang	EEEbot ☑ The Robotic Challenge Programme	Wang Han	10
E041	Robotic Games	Wang Han	EEEbot ☑ The Robotic Challenge Programme	Wang Jianliang	10
E068	Electroencephalogram (EEG) Based Biometric Security System	Justin Dauwels	Electromedical Technologies Programme	Lin Zhiping	9
E086	Vital Signs Monitoring using a Smart Phone	Ser Wee	Electromedical Technologies Programme	Ma Kai Kuang	6
E089	ECG signal acquisition, processing and classification	Lin Zhiping	Electromedical Technologies Programme	Ser Wee	4
E043	Social Neuroscience: Neural recordings during social interactions	Justin Dauwels	Electromedical Technologies Programme	Yuan Junsong	5
E040	Smartphone App: Smart Coupon & Discount info Distribution	Shum Ping	Mobile Computing Thematic Programme	Chau Lap Pui	10

E093	Next Generation Touch Interface	Andy Khong Wai Hoong	Mobile Computing Thematic Programme	Chow Kin Kee	6
E071	Visual Object Search Engine	Yap Kim Hui	Mobile Computing Thematic Programme	Gan Woon Seng	6
E007	Eavesdropping technologies for mobile devices	Andy Khong Wai Hoong	Mobile Computing Thematic Programme	Wang Gang	8
E061	Prototyping A Synthetic Aperture Radar (SAR) on a Unmanned Arial Vehicle (UAV)	Ng Boon Poh	Radar Programme	Bi Guoan	6
E059	Micro-doppler Analysis and Classification	Jiang Xudong	Radar Programme	Lu Yilong	5
E034	Jamming and anti-jamming to phased array radar	Teh Kah Chan	Radar Programme	Ng Boon Poh	10
E035	Compressed sensing radar	Justin Dauwels	Radar Programme	Teh Kah Chan	7
E082	Design and development of a Comeback Cansat	Shao Xuguang	Satellite Programme	Chen Shoushun	10
E039	Smartphone Satellite	Low Kay Soon	Satellite Programme	Erry Gunawan	10
E005	Develop of Radiation-harden-by-design SPI Data Bus	Chen Shoushun	Satellite Programme	Shao Xuguang	5
E021	Software Define Radio (SDR) Technique in GPS/GNSS Receiver Development	Erry Gunawan	Satellite Programme	Sheel Aditya	10
E060	Remote control and stabilization of a camera system for near space applications	Low Kay Soon	Satellite Programme	Toh Guan Nge	10
E075	Wireless Energy Meter Design and Applications	Chong Han Joo Peter	Smart and Micro Grids for Integration of Renewable Energy Sources	Abhisek Ukil	9
E094	Bicycle Phone Charger	Tan Chuan Seng	Smart and Micro Grids for Integration of Renewable Energy Sources	Ali Iftekhar Maswood	5

E054	Real time load simulator for load aggregation in building management system	Wang Peng	Smart and Micro Grids for Integration of Renewable Energy Sources	Chong Han Joo Peter	10
E069	Harvesting Energy from Human Body	Justin Dauwels	Smart and Micro Grids for Integration of Renewable Energy Sources	Gooi Hoay Beng	9
E065	Demand Response Management for Singapore Distribution Grid	Gooi Hoay Beng	Smart and Micro Grids for Integration of Renewable Energy Sources	Justin Dauwels	8
E050	The Charge and Discharge Scheme of the Battery in the Solar Lighting System	Wen Changyun	Smart and Micro Grids for Integration of Renewable Energy Sources	Law Choi Look	10
E033	Modular concentrated photovoltaic charging unit for indoor light/solar harvesting	Wong Kin Shun, Terence	Smart and Micro Grids for Integration of Renewable Energy Sources	So Ping Lam	8
E052	Integration of Electrical Vehicle (EV) to Power Grid using wireless power transfer	Wang Peng	Smart and Micro Grids for Integration of Renewable Energy Sources	Soh Cheong Boon	10
E073	The Intelligent Solar energy system	Tse Man Siu	Smart and Micro Grids for Integration of Renewable Energy Sources	Soong Boon Hee	10
E049	Wireless Charging	Law Choi Look	Smart and Micro Grids for Integration of Renewable Energy Sources	Tan Chuan Seng	10
E053	Smart PV panel for street lighting system	Wang Peng	Smart and Micro Grids for Integration of Renewable Energy Sources	Tse Man Siu	10
E081	Simulation of house with Independent energy source	Justin Dauwels	Smart and Micro Grids for Integration of Renewable Energy Sources	Tseng King Jet	10
E015	Electric Vehicle Tracking System Using Global Positioning System	So Ping Lam	Smart and Micro Grids for Integration of Renewable Energy Sources	Wang Peng	10
E092	Energy Efficient or Cost Efficient – Simulation of Future Electrical Markets	Hu Guoqiang	Smart and Micro Grids for Integration of Renewable Energy Sources	Wang Youyi	5

E036	Dynamic Visual Performance in Green buildings based on IoT (Internet of Things)	Soong Boon Hee	Smart and Micro Grids for Integration of Renewable Energy Sources	Wen Changyun	10
E019	Development of household photovoltaic power supply system with grid-connected and standalone operation ability	Wen Changyun	Smart and Micro Grids for Integration of Renewable Energy Sources	Wong Kin Shun, Teren	8
E078	Smart Controller with Brainwave Analyzer	Yvonne Lam Ying Hung	Smart Electronics Programme	Boon Chirn Chye	8
E042	Wireless Speaker System	Zheng Yuanjin	Smart Electronics Programme	CHAN PAK KWONG	10
E047	Virtual Touch Screen with Gesture Sensing using Passive Infrared Sensors	Kim Tae Hyoung	Smart Electronics Programme	Chang Chip Hong	8
E013	Wireless Audio System	Zheng Yuanjin	Smart Electronics Programme	Tang Xiaohong	10
E038	Solar energy-powered LED Lighting system: Integration of solar cell panels, rechargeable batteries and LED lighting panels	Chen Tupei	Smart Electronics Programme	Cuong Dang	10
E072	"Smart" Home	Arindam Basu	Smart Electronics Programme	Jong Ching Chuen	10
E009	Making Sense of Human Feelings for Computers	Andy Khong Wai Hoong	Smart Electronics Programme	Lu Rongxing	5
E008	Converting Large-sized Surfaces into Touch Interface	Andy Khong Wai Hoong	Smart Electronics Programme	Tan Eng Leong	10
E083	Low power wireless sensor platform	Siek Liter	Smart Electronics Programme	Yu Hao	6
E070	Wireless Sensor Nodes (WSN)	Siek Liter	Smart Electronics Programme	Zhang Yue Ping	9

E027	Project D	Ling Keck Voon	UAVIONICS	Cheng Tee Hiang	10
E023	Positioning and Communication	Law Choi Look	UAVIONICS	Chua Hock Chuan	10
E024	Project A	Huang Guangbin	UAVIONICS	Er Meng Joo	10
E044	Project H	Mao Kezhi	UAVIONICS	Goh Wang Ling	8
E030	Project G	Ong Keng Sian, Vincent	UAVIONICS	Huang Guangbin	9
E084	Intelligent control of a UAV	Er Meng Joo	UAVIONICS	Ling Keck Voon	9
E025	Project B	Chua Hock Chuan	UAVIONICS	Mao Kezhi	10
E031	Development of an autonomous unmanned aerial vehicle	Xie Lihua	UAVIONICS	Ong K S, Vincent	10
E026	Project C	Cheng Tee Hiang	UAVIONICS	Tan Chee Wah, Wesley	10
E029	Project F	Goh Wang Ling	UAVIONICS	Xie Lihua	10
E085	Design and development of optical wireless systems for secure communication	Chow Kin Kee	Undergraduate Photonics Programme	Arokiaswami Alphones	8
E020	DESIGN AND DEVELOPMENT OF 3D PRINTER FOR SPECIAL MATERIALS	Shum Ping	Undergraduate Photonics Programme	Liu Linbo	10
E045	Making 3D "images"	Tang Xiaohong	Undergraduate Photonics Programme	Yoo Seongwoo	7