

No.	Supervisor	Possible Project Title	Student
1	Anthony Lai	Automatic testing platform for emergency lighting in building	
2	Anthony Lai	Load Signature Study by multiple features	
3	Anthony Lai	Condition monitoring system in LV switchboard by wireless sensing network	
4	Anthony Lai	Load Signature Study by V-I trajectory	
5	Anthony Lai	To be determined	
6	Anthony Lai	To be determined	
7	Billy Chow	Ground fault detection for DC traction power system	
8	Billy Chow	Temperature detection of li-ion batteries by Chroma 17040	
9	Billy Chow	performance analysis of EV battery using chroma 17040	
10	Billy Chow	LV switchboard using IEC61850	
11	Billy Chow	smart switchboard in government building	
12	Billy Chow	IoT based smart switchboard	
13	Billy Chow	Automated rule checking for MEP system based on BIM	
14	Keith Leung	AI Assisted Risk Index of Power System Equipment - Chiller	CHAN Cheuk Yin
15	Keith Leung	AI Assisted Risk Index of Power System Equipment - Chiller	CHAN Ho Wai
16	Keith Leung	AI Assisted Risk Index of Power System Equipment - Generation & Transmission Transformer	LEE Tsz Chung Dexter
17	Keith Leung	AI Assisted Risk Index of Power System Equipment - Transmission & Distribution Switchgears	CHUNG Ka Cheuk
18	Keith Leung	AI Assisted Risk Index of Power System Equipment - Transmission & Distribution Underground cables	LAU Hoi Yan
19	Keith Leung	AI Assisted Risk Index of Power System Equipment - Transmission & Distribution Overhead lines, insulators and arrestors	CHUD Ka Fai
20	Keith Leung	AI Assisted Risk Index of Power System Equipment - Transmission & Distribution Switchgears	MAK Cheuk Yin
21	Keith Leung	AI Assisted Risk Index of Power System Equipment - Transmission & Distribution Underground cables	LAI Chun Ho
22	Louie Chan	A Hybrid Tabu Search-LEACH Algorithm for Cluster Head Selection in WSNs	
23	Louie Chan	Wireless Sensor Network (WSN) Reliability in HVAC and Smart Grid Systems	
24	Louie Chan	LEACH VARIANTS FOR ENERGY LIFETIME OPTIMIZATION IN WSNS	
25	Louie Chan	Enhancing Energy Efficiency in Wireless Sensor Networks Using GA-LEACH	
26	Louie Chan	IMPROVE LIFETIME AND EFFICIENCY OF LEACH IN WIRELESS SENSOR NETWORK	
27	Louie Chan	IMPROVED LEACH-RLC TO DESIGN A WIRELESS SENSOR NETWORK MODEL IN INDUSTRIAL EFFLUENT SYSTEMS	
28	Louie Chan	An Improved Routing Algorithm by Unequal Clustering for Energy Efficiency of Wireless Sensor Network	
29	Louie Chan	Building a Wireless Sensor Network model for HVAC/Smart Grid	
30	Scottie Man	Embedded Machine Learning – Fall Detection	LIN Jincai Jacky
31	Scottie Man	Machine Learning - Image Related	FUNG Tik Man
32	Scottie Man	Embedded Machine Learning - Audio/Voice Related	NG Ka Ho
33	Scottie Man	Embedded Machine Learning - Toy Car Control + Image Recognition	FUNG Kin Fung
34	Scottie Man	To be determined	
35	Scottie Man	To be determined	
36	Scottie Man	To be determined	

37	Stephen Yang	Design and fabrication of automatic speed control and braking system for car	
38	Stephen Yang	Battery Charging System with DC Supply and DC load	
39	Stephen Yang	Integrated Control System for VRV and PAU	
40	Stephen Yang	Battery Management System (BMS) on Emergency Lighting	
41	Stephen Yang	Design and fabrication of automatic speed control and braking system for car	
42	Stephen Yang	License Plate Recognition Systems	
43	Stephen Yang	To be determined	

<b>Supervisor</b>	<b>Area of Interest</b>	<b>email</b>
Anthony Lai	Load Signature	<a href="mailto:sai9022@vtc.edu.hk">sai9022@vtc.edu.hk</a>
Billy Chow	Power Conversion	<a href="mailto:mhchow@vtc.edu.hk">mhchow@vtc.edu.hk</a>
Keith Leung	Condition Monitoring	<a href="mailto:leungkeith@vtc.edu.hk">leungkeith@vtc.edu.hk</a>
Louie Chan	Wireless Sensing	<a href="mailto:chflouie@vtc.edu.hk">chflouie@vtc.edu.hk</a>
Scottie Man	Power Electronics and Machine Learning	<a href="mailto:scottie.man@rmit.edu.au">scottie.man@rmit.edu.au</a>
Stephen Yang	Control and Automation	<a href="mailto:scyang@vtc.edu.hk">scyang@vtc.edu.hk</a>