

No.	Supervisor	Possible Project Title	Student
1	Anthony Lai	Automatic testing platform for emergency lighting in building	HUI Chak Shing
2	Anthony Lai	Load Signature Study by multiple features	LEUNG Zhe Kit
3	Anthony Lai	Load Signature Study by V-I trajectory	CHAN Wang Lap
4	Billy Chow	A Design Analysis of Traction Power Supply Systems for Modern Railways	NG Ka Wing
5	Billy Chow	Ground Monitoring Techniques for Overhead Line (OHL) Traction Power Systems	TAI Tsz Chun
6	Billy Chow	Implementation and Energy Analysis of Smart Switchboards in Public Sector Facilities	LAW Chi Ho, Sanson
7	Billy Chow	BIM-Based Automated Rule Checking for Mechanical, Electrical, and Plumbing (MEP) Systems	TSANG Cheuk Lai, Ryan
8	Billy Chow	Digital Transformation in Facilities Management: Synergizing BIM and CCMS for Predictive Maintenance	LEUNG Ho Ming
9	Billy Chow	Feasibility and Implementation of Electrified Mobile Cranes on Construction Sites	WONG Shue-ke Enoch
10	Keith Leung	AI Assisted Risk Index of Power System Equipment - Chiller	CHAN Cheuk Yin
11	Keith Leung	AI Assisted Risk Index of Power System Equipment - Chiller	CHAN Ho Wai
12	Keith Leung	AI Assisted Risk Index of Power System Equipment - Generation & Transmission Transformer	LEE Tsz Chung Dexter
13	Keith Leung	AI Assisted Risk Index of Power System Equipment - Transmission & Distribution Switchgears	CHUNG Ka Cheuk
14	Keith Leung	AI Assisted Risk Index of Power System Equipment - Transmission & Distribution Underground cables	LAU Hoi Yan
15	Keith Leung	AI Assisted Risk Index of Power System Equipment - Transmission & Distribution Overhead lines, insulators and arrestors	CHUD Ka Fai
16	Keith Leung	AI Assisted Risk Index of Power System Equipment - Transmission & Distribution Switchgears	MAK Cheuk Yin
17	Keith Leung	AI Assisted Risk Index of Power System Equipment - Transmission & Distribution Underground cables	LAI Chun Ho
18	Louie Chan	A Hybrid Tabu Search-LEACH Algorithm for Cluster Head Selection in WSNs	FUNG Kwan Lok
19	Louie Chan	Wireless Sensor Network (WSN) Reliability in HVAC and Smart Grid Systems	YIP Tsz Ho
20	Louie Chan	LEACH VARIANTS FOR ENERGY LIFETIME OPTIMIZATION IN WSNs	CHAN Wai Chung
21	Louie Chan	Enhancing Energy Efficiency in Wireless Sensor Networks Using GA-LEACH	CHENG Chun Ho
22	Louie Chan	IMPROVE LIFETIME AND EFFICIENCY OF LEACH IN WIRELESS SENSOR NETWORK	CHOI Miu On
23	Louie Chan	IMPROVED LEACH-RLC TO DESIGN A WIRELESS SENSOR NETWORK MODEL IN INDUSTRIAL EFFLUENT SYSTEMS	CHIM Jacky Dak Cheong
24	Scottie Man	Embedded Machine Learning – Fall Detection	LIN Jincai Jacky
25	Scottie Man	Machine Learning - Image Related	FUNG Tik Man
26	Scottie Man	Embedded Machine Learning - Audio/Voice Related	NG Ka Ho
27	Scottie Man	Embedded Machine Learning - Toy Car Control + Image Recognition	FUNG Kin Fung
28	Scottie Man	Gesture Control -- TBC	LAM Wai Tat
29	Stephen Yang	Modeling and Comparative Analysis of CBTC and Trackside (Axle Counter) Detection Systems using Simulated Data -- TBC	CHIK Yu Chung
30	Stephen Yang	Battery Charging System with DC Supply and DC load -- TBC	LAU Wing Kai
31	Stephen Yang	Battery Management System (BMS) on Emergency Lighting -- TBC	CHAN Kei Leung
32	Stephen Yang	Data-Driven Predictive Maintenance for Railway Control Systems -- TBC	MUI Lok Kan
33	Stephen Yang	Intelligent Battery Health Monitor with Replacement Reminder for Emergency Light -- TBC	YAU Chun Lok
34	Stephen Yang	-- TBC	LAM Ho Chuen

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