

Group List of ELEC/CPEG Students with Final Year Project (FYP)/ Final Year Thesis (FYT) (2024-2025)

(Last updated on 13 Sep 2024)

94 groups (182 students) in total

**Group representative*

Project Code	Student Name	Supervisor (Prof)	Project Title	Communication Tutor (Ms./ Mr.)
CKJ01a-24	BAO, Fangming*	Kevin CHEN	Characterizations of advanced wide-bandgap semiconductor power devices (FYP)	David
	KWOK, Sze Ling			
CM01a-24	MO, Nga Ki*	Mansun CHAN	Action Based Game on Mobile Devices for Elderly Training (FYP)	Shaneli
	WONG, Tsz Yee			
CM03a-24	CHEN, Chun Fai*	Mansun CHAN	Enhancing attention of SEN students using Electroencephalogram (FYP)	David
	CHOI, Ho Him			
CSB01a-24	LAW, Kim Tak	Shibo CHEN	Deep reinforcement learning for the control of HVAC system in smart buildings (FYP)	Shaneli
CSB01b-24	HUI, Hiu Fai	Shibo CHEN	Deep reinforcement learning for the control of HVAC system in smart buildings (FYP)	David
JQ01a-24	HUANG, Xueying*	Jianan QU	Development of Mobile healthcare Apps (FYP)	Shaneli
	LAU, Wing Wai			
	LIU, Yijia			
JQ01b-24	CHAN, Ting Yam*	Jianan QU	Development of Mobile healthcare Apps (FYP)	David
	CHENG, Chung Ming			
JQ01c-24	LAI, Tung Thai Tony*	Jianan QU	Development of Mobile healthcare Apps (FYP)	Shaneli
	LI, Zhenye			
	SO, Sai Wah			
JQ02a-24	CHAK, Chi Hin*	Jianan QU	Voice Controlled Smart Instrument(s) (FYP)	David
	HUNG, Shuk Ka			
JQ03a-24	CHIU, Pok Man*	Jianan QU	Biological signals and computer interface (FYP)	Shaneli
	FAN, Yu Wo			
	WANG, Kaixuan			
KW01a-24	HA, Ngai Man*	Wing Hung KI	Power Management Circuit and System Design (FYP)	David
	YEUNG, Ka Leong			

KW01b-24	XIE, Zilong	Wing Hung KI	Power Management Circuit and System Design (FYP)	Shaneli
LH01a-24	CHAN, Wing Ka*	Howard LUONG	DESIGN OF INTEGRATED VARIABLE-GAIN AMPLIFIERS (FYP)	David
	DENG, Sau Lin			
	SO, Chun Hin			
LH02a-24	PAT, Chun Kit*	Howard LUONG	DESIGN OF INTEGRATED FILTERS (FYP)	Shaneli
	TSANG, Chun Kit			
LH03a-24	KIM, Jae Yup*	Howard LUONG	DESIGN OF RADIO-FREQUENCY INTEGRATED CIRCUITS (FYP)	David
	KIM, Kyugun			
LXM01a-24	CHEN, Hongquan	Xiaomeng LI	Artificial intelligence methods for cardiac disease assessment from ultrasound (FYP)	Shaneli
LXM01b-24	MAN, Ying Kit	Xiaomeng LI	Artificial intelligence methods for cardiac disease assessment from ultrasound (FYP)	David
LXM04a-24	CHING, Siu Yin	Xiaomeng LI	Artificial intelligence methods for retinal disease classification from fundus photos (FYP)	Shaneli
LXM04b-24	OU, Yuping	Xiaomeng LI	Artificial intelligence methods for retinal disease classification from fundus photos (FYP)	David
LY02a-24	LAM, Hiu Man*	Levent YOBAS	Impedance flow cytometry for label-free analysis of single biological cells (FYP)	Shaneli
	TSOI, Kwok Man			
LY03a-24	CHAN, Ho Yap	Levent YOBAS	Hardware and Software System for Portable Microfluidic Nucleic Acid Detection Platform (FYP)	David
	TSANG, Hin Lok			
MR02a-24	DAS, Ujaan*	Ross MURCH	Follow me Robot System (FYP)	David
	DAYAL, Armaan			
	KOWALCZYK, Wiktor Marcin			
MR02b-24	CHU, Kit Yam*	Ross MURCH	Follow me Robot System (FYP)	Shaneli
	HU, Xiaojun			
	LIU, Haodong			
MR03a-24	CHAN, Kelvin Cheuk Kwan	Ross MURCH	Centimeter MIMO antenna design for future 6G wireless communication (FYT)	David
MS01a-24	SOO, Wang Fung	Scottie MAN	Design of a Low Quiescent Current (IQ) Low-Dropout (LDO) Regulator (FYP)	Shaneli
MS02a-24	MA, Zhijie	Scottie MAN	Design of Adaptive Constant On-Time (ACOT) Buck Converter (FYP)	David
	WANG, Penghao			
MWH01b-24	NGAN, Cheuk Hei*	Wai Ho MOW	AI Tutor for STEM Education (FYP)	Shaneli
	SHUM, Man Hong Stephen			

	YUEN, Ming Hei			
MWH03a-24	DUNG, Siu Nam*	Wai Ho MOW	Elderly care insights with AI-assisted video analytics (FYP)	David
	HO, Ching Hin			
	LEUNG, Tsz Kwan			
MWH04a-24	CHAN, Yip Man*	Wai Ho MOW	AI-assisted distant vital sign monitoring using thermal and vision cameras (FYP)	Shaneli
	CHOI, Ngon Lun Kinsey			
	LAI, Chi Kit			
MZ01a-24	KWAN, Hok Hin Steven*	Zili MENG	Computer Network Course Project Platform Development (FYP)	David
	TAM, Chiu Ho			
	WONG, Ho Lun			
MZ01b-24	KUNG, Kai Wing	Zili MENG	Computer Network Course Project Platform Development (FYP)	Shaneli
MZ02a-24	CHO, Sze Wing*	Zili MENG	Linux Kernel Queue Management (FYP)	David
	HO, Wing Him			
	LEUNG, Man Kit			
MZ03a-24	HO, Wing Pan*	Zili MENG	Latency optimization in interactive multimedia streaming (FYP)	Shaneli
	LO, Ngai			
MZ03b-24	HUTAMA, Benedictus Harris*	Zili MENG	Latency optimization in interactive multimedia streaming (FYP)	David
	LAGARDE, Jonas Iii Miranda			
	YEUNG, Man Hin			
MZ04a-24	HO, Yui Ip*	Zili MENG	Use Large Language Models to help with computer network education (FYP)	Shaneli
	LO, Chun Ming			
	SIN, King Chun			
NK01a-24	SINGH, Swapnil*	Kristiaan NEYTS	holographic liquid crystal components based on photoalignment (FYP)	David
	TAI, Nga Shan			
NK02a-24	CHAN, Ka Hong	Kristiaan NEYTS	Modeling human vision in a Riemannian color space (FYP)	Shaneli
NK03a-24	LAW, Wai Hin	Kristiaan NEYTS	Patterning of holographic diffraction gratings (FYP)	David
NK03b-24	SHAM, Wang Hei	Kristiaan NEYTS	Patterning of holographic diffraction gratings (FYP)	Shaneli
PA03a-24	YUAN, Ye	Andrew POON	Programmable silicon photonic switches for optical computing (FYP)	David

PA04a-24	ZHANG, Yixuan	Andrew POON	Programmable silicon photonic switches for optical computing (FYT)	Shaneli
PD01b-24	FONG, Tsz Hin*	Daniel PALOMAR	High-Frequency Trading with Machine Learning and Deep Learning (FYP)	Shaneli
	LIN, Yen-po			
	YAM, Chun Ho			
PL01a-24	GURUNG, Kishan*	Ling PAN	Improving Learning Efficiency of Generative Flow Networks (FYP)	David
	GURUNG, Vibek			
PY01a-24	DOVE, Ethan William	Patrick YUE	PAM-N Clock & Data Recovery Circuits Based on the OpenIC Design Platform (FYT)	Shaneli
PY02a-24	LAU, Chi Him	Patrick YUE	PAM-N Clock & Data Recovery Circuits Based on the OpenIC Design Platform (FYP)	David
SK01a-24	HEILOS, Markus*	Khawar SARFRAZ	Efficient Voltage Level Conversion Circuits (FYP)	Shaneli
	NG, Renard Rafferty			
SK02a-24	LI, Gaoyang	Khawar SARFRAZ	Low-power matrix multiplier circuit using thin film transistor technology (FYP)	David
SL01a-24	HE, Weike*	Ling SHI	Heart Rate and Respiratory Rate Detection using mmWave Radar (FYP)	Shaneli
	WONG, Chun Ho			
SL01b-24	HU, Wendi*	Ling SHI	Heart Rate and Respiratory Rate Detection using mmWave Radar (FYP)	David
	LIANG, Hongjie			
SL02a-24	KO, Dick*	Ling SHI	HexaRobot: Versatile Hexapod Robot for Diverse Terrains and Searching	Shaneli
	TAM, Yung Ho			
SQ03a-24	LAM, Kam Lik*	Qiming SHAO	Reinforcement Learning-based Movement Optimization for Robotic Arm (FYP)	David
	LI, Junhao			
SQ04a-24	LIU, Yifan	Qiming SHAO	Self-Proposed Project (FYT)	Shaneli
SS01a-24	CHAN, Chi Chung*	Shenghui SONG	Sensor Fusion Based Localization for Hong Kong Trams (FYP)	David
	LAM, Chun Hei			
SSJ01a-24	WANG, Junzhe*	Shaojie SHEN	A Swarm of UAVs (FYP)	Shaneli
	ZOU, Hetai			
SY01a-24	HO, Hin Cheung*	Yajing SHEN	Tactile Data Augmentation and Feature Extraction (FYP)	David
	LAU, Tsz Him			
SV02a-24	GAO, Tsz Ki*	Yajing SHEN	AI-assisted Program for Daily Life Problem Solving using LLM, VLM,	Shaneli

	TO, Yu Sen		and Tactile Sensor Integration (FYP)	
SY03a-24	RA, Hoonjoo	Yajing SHEN	AI-assisted robotic manipulation based on bio-inspired tactile sensor (FYT)	David
SY05a-24	CHEUNG, Ho Ching	Yajing SHEN	Intelligent shoe-pad for plantar pressure and gait analysis (FYP)	Shaneli
	LEUNG, Tsz Kit			
TF01b-24	SIU, Long Kiu	Fengbin TU	Edge AI Processor Design (FYP)	Shaneli
TP01a-24	KWAN, Hei Shun	Ping TAN	3D Reconstruction with a Moving Camera	David
VL01a-24	LAW, Perry*	Vincent LAU	Self-Proposed Projects (FYP)	David
	LI, Jingxi			
	ZHANG, Wentao			
VL01b-24	CHEUNG, Tsz Hin	Vincent LAU	Self-Proposed Projects (FYP)	Shaneli
VL02a-24	YUEN, Chun Hei*	Vincent LAU	AI-assisted PCB Image Registration for Accurate PCB Alignment (FYP)	David
	ZHEN, Ching Ho			
WA01a-24	LEE, Chun Yu*	Albert WONG	AI-Assisted Smart Glasses for the Vision-Impaired (FYP)	Shaneli
	LO, Ming Yam			
	TAM, Wai Kwong			
WA02a-24	CHAN, Ho Lung Anson*	Albert WONG	Intelligent Campus Recyclable Collection Bins (FYP)	David
	CHAN, Wing Chun Kimble			
	LO, Kai Ho			
WKT02a-24	LEE, Hoi Lun	Tim WOO	Smart Store System (FYP)	Shaneli
WKT03a-24	SONATA, Joshua Elnathan	Tim WOO	Design and Implementation of Electronic Speed Controller Utilizing Absolute Optical Encoder Technology (FYP)	David
WKT04a-24	CHAN, Sin Wa*	Tim WOO	Health Care Exercise System with Motion Tracking (FYP)	Shaneli
	KIM, Sieun			
	WONG, Lok Him			
WKT05a-24	LIU, Ting Yan*	Tim WOO	Synthetic Data Generation for Enhanced Robot Manipulation Performance (FYP)	David
	LO, Hiu Ching			
	PUN, Man Ching			
WKT06a-24	CHEUNG, Dick Ho	Tim WOO	Computer Vision-based Path Planning for Robot Manipulator Using Bézier Curves (FYP)	Shaneli
WKT07a-24	WONG, Wing Him	Tim WOO	AI-Integrated LLM Method for Enhanced Camera Object Detection (FYP)	David

WKT08a-24	AU-YEUNG, Kin Shing Jason*	Tim WOO	Smart Electronic Fitness Coach (FYP)	Shaneli
	LIANG, Kailin			
	LIU, Jingjing			
WKT09a-24	CHAN, Lik Fai*	Tim WOO	Selfie Done Project	David
	KONG, Wing Kuen			
WMH02a-24	HSU, Chia-yang*	Man Hoi WONG	Design and Modeling of Wide-Bandgap High-Frequency Devices (FYP)	David
	KHIM, Kwong Chi			
	LAW, Kai Ching			
XZY01a-24	LI, Kin Ip	Zhiyao XIE	Early Timing Evaluation in Digital IC Design with AI Techniques (FYP)	Shaneli
YG01a-24	WANG, Jiajun	George YUAN	A point-of-care (POC) electrochemical biosensor (FYP)	David
YW01a-24	WONG, Man Kit	Weichuan YU	The third generation sequencing data analysis with applications in the understanding of breast cancer (FYP)	Shaneli
YYS01a-24	AU, Tsz Ki*	Yansong YANG	Microfabrication technologies of microelectronic devices (FYP)	David
	HSU, Wai Ling Livia			
	WONG, Cheuk Lam			
YYS01b-24	LEUNG, Wai Hin*	Yansong YANG	Microfabrication technologies of microelectronic devices (FYP)	Shaneli
	SUNG, Yoonmo			
	TSUI, Lok Hin			
YYS01c-24	CHEN, Hongyu*	Yansong YANG	Microfabrication technologies of microelectronic devices (FYP)	David
	KUI, Ka Yu			
	YAN, Zhichen			
ZJ01a-24	KANG, Seunghyun*	Jun ZHANG	Edge AI for healthcare applications (FYP)	Shaneli
	LEE, Gyumin			
	PARK, Gunwoo			
ZJ01b-24	FU, Penglin*	Jun ZHANG	Edge AI for healthcare applications (FYP)	David
	KUO, Chen-chieh			
	PENG, Yiyao			
ZJ03a-24	YANG, Ruoping	Jun ZHANG	Controllable text-to-image generation and editing (FYT)	Shaneli
	CHEW, Marco Long Yin*			

ZW01a-24	SIO, Hiu Yat Kuver	Wei ZHANG	Development of RISC-V processor (FYP)	David
	WU, Chak Tin			
ZW01b-24	HUANG, Kaifeng*	Wei ZHANG	Development of RISC-V processor (FYP)	Shaneli
	LI, Gengsheng			
	MAI, Xi Yuan			
ZW01c-24	HUI, Wang Wai William*	Wei ZHANG	Development of RISC-V processor (FYP)	David
	NG, Ming Ho			
ZW02a-24	LAU, Chun Wai*	Wei ZHANG	Machine learning acceleration on FPGA (FYP)	Shaneli
	LEE, Ko Wa			
ZW03a-24	KU, Ho Ming	Wei ZHANG	Systolic Array Design on FPGA (FYT)	David
ZY01a-24	LI, Zhuoxuan	Yihan ZHANG	Digital logic cell design (FYT)	Shaneli
ZY02a-24	LIU, Yuqi*	Yihan ZHANG	Self-Proposed Projects (FYP)	David
	WONG, Pak Sing			
ZY02b-24	NG, Djonathan Djingga*	Yihan ZHANG	Self-Proposed Projects (FYP)	Shaneli
	SIN, Chiu Ting			
ZY02c-24	CHAU, Chi Hang*	Yihan ZHANG	Self-Proposed Projects (FYP)	David
	LEUNG, Ka Kin			
	WU, Gangtong			
ZY02d-24	CHEUNG, Ka Chai Adam	Yihan ZHANG	Self-Proposed Projects (FYP)	Shaneli