

Group List of ELEC/CPEG Students with Final Year Project (FYP)/ Final Year Thesis (FYT) (2023-2024)

(Last updated on 19 Jul 2023)

**Group representative*

Student Name	Project Code	Supervisor (Prof.)	Project Title	Project Type	Communication Tutor (Ms./ Mr.)
YOUNG, James Yang* RO, Min Kyu WONG, Yin Fun	AS01a-23	Abhishek Kumar SRIVASTAVA	Powerless Vibration Sensor Probe using DHFLCs	FYP	Shaneli
JEYABALAN, Preman	WA01a-23	Albert WONG	Transport Protocols for Financial Information Exchange	FYP	David
RELAN, Tara* KANG, Youna	PA02a-23	Andrew POON	An optofluidic biological cell stretcher	FYP	Shaneli
LI, Shing Leong* JU, Jongho WAN, Shing Hin Andrew	SB02a-23	Bert SHI	Gaze Aware Humanoid Robotics	FYP	David
SHAH, Arya Rajesh* NG, Ho	SB03a-23	Bert SHI	Low complexity eye gaze estimation on mobile platforms	FYP	Shaneli
MO, Hoi Yin Natalie* NG, Lok Lam LEE, Wai Yi	SB05a-23	Bert SHI	Self-proposed project on facial expression/gesture recognition	FYP	David
VIERI, Vincent* ADIJAYA, Alvin CHANDRA, Darryl Theodorus	LH02a-23	Howard LUONG	DESIGN OF INTEGRATED FILTERS	FYP	Shaneli
LI, Guanxian* YU, Jiahao WANG, Borui	LH03a-23	Howard LUONG	DESIGN OF RADIO-FREQUENCY INTEGRATED CIRCUITS	FYP	David
CHEE, Ching Lam	YH01a-23	Huan YIN	Optical Flow on Spinning Radar Image for Robot Odometry Estimation	FYP	Shaneli
LUI, Yik Chun* CHEUNG, Yin Yee WONG, Chi Yuen	JQ01a-23	Jianan QU	Development of Mobile healthcare Apps	FYP	David
HONG, Pak Ming* LIANG, Zhaoyu YEUNG, Kok Hay Jacky	JQ01b-23	Jianan QU	Development of Mobile healthcare Apps	FYP	Shaneli
LI, Yik Fai* CHAN, Chun Kit	JQ01c-23	Jianan QU	Development of Mobile healthcare Apps	FYP	David
WONG, Pak Hei* NG, Kai Ching HO, Po Lam	JQ01d-23	Jianan QU	Development of Mobile healthcare Apps	FYP	Shaneli
LEE, Yuen Tung* WOO, Lung Man	JQ03a-23	Jianan QU	Biological signals and computer interface	FYP	David

BOULNOIS, Hanya Efje Clemence Charlotte* SINGH, Sandeepi ZHENG, Wenhan	ZJ01a-23	Jun ZHANG	Edge AI for healthcare applications	FYP	Shaneli
SHUM, Wai Kwan	ZJ02a-23	Jun ZHANG	Adversarial attacks to federated learning	FYT	David
CHENG, Shang Yun* LEUNG, Chun Hei	ZJ03a-23	Jun ZHANG	Distributed smart camera systems	FYP	Shaneli
CHAK, Wai Ho* CHAN, Yan Nam	ZJ04a-23	Jun ZHANG	Facilities Monitoring System for Disneyland	FYP	David
TSE, Anders Jerome* YEUNG, Lai Wun LI, Xingjian	CKJ01a-23	Kevin Jing CHEN	Ultrafast Laser Diode Driver for LIDAR Based on Wide-bandgap Power Semiconductor Devices	FYP	Shaneli
CHAN, Wun Yu	KBL01a-23	Khaled BEN LETAIEF	Federated Edge AI for 6G	FYT	David
HUANG, Yuk Kit	KBL02a-23	Khaled BEN LETAIEF	Terahertz Communications for 6G	FYT	Shaneli
WONG, Chun Ho* JU, Jonghyeon	SK01a-23	Khawar SARFRAZ	AI-Assisted Tunnel Health Monitoring and Forecasting System	FYP	David
HO, Chak Sing	SK02b-23	Khawar SARFRAZ	Low-Power SRAM Chip Design	FYP	Shaneli
LEE, Sungjun* CHAE, Hongjun	SK02c-23	Khawar SARFRAZ	Low-Power SRAM Chip Design	FYP	David
YU, Kuang Jung* HSU, Yung-hsiang NG, Cheuk Hei	SK02d-23	Khawar SARFRAZ	Low-Power SRAM Chip Design	FYP	Shaneli
LAU, Kit Ming* CHENG, Choi Kuen	LY01a-23	Levent YOBAS	FPGA-controlled single refreshable Braille character	FYP	David
BHARVANI, Dhruv Partab	LY02a-23	Levent YOBAS	FPGA Embedded System	FYP	Shaneli
YUEN, Wui Kwong* LO, Chi Wang CHEN, Chengzhen	SL01a-23	Ling SHI	Heart Rate and Respiratory Rate Detection using mmWave Radar	FYP	David
JIANG, Yicheng* LAM, Ka Ming HUANG, Haolun	SL02a-23	Ling SHI	Two-wheeled security robot	FYP	Shaneli
LAI, Bo-rong* TANG, Yan Yee	SL03a-23	Ling SHI	Bipedal Wheel-legged Robot Control and Application	FYP	David
LI, Leung Tim* AU, Pok Man KARUNAKARAN, Yogesh	SL04a-23	Ling SHI	UAVs for Environmental Surveillance	FYP	Shaneli

LI, Kin Fung	SL05a-23	Ling SHI	Event-triggered Estimation: Observability, Identifiability and Parameter Learning	FYT	David
LEUNG, Chak Sum	WMH01a-23	Man Hoi WONG	Design and Modeling of an Ultrawide-Bandgap High-Frequency Device	FYP	Shaneli
XUE, Lifeng* CHUNG, Tsz Lung	WMH03a-23	Man Hoi WONG	Microfabrication of power electronic devices	FYP	David
CHAN, Kai Chiu* CHAU, Ho CHEUNG, Ching Yu	CM01a-23	Mansun CHAN	Action Based Game on Mobile Device for Elderly Training	FYP	Shaneli
HO, Tin Shing Peter	CM02a-23	Mansun CHAN	Cyrogenic Characteristics of IGZO TFT for 3D Quantum Computing Application	FYT	David
YEUNG, Chun Ting	CM02b-23	Mansun CHAN	Cyrogenic Characteristics of IGZO TFT for 3D Quantum Computing Application	FYT	Shaneli
CHIU, Kenny* HUI, Lok Yi LI, Cunxu	PY03c-23	Patrick YUE	Smart Charging Load Management System for Electric Vehicles in Residential Buildings	FYP	David
LUM, Hang Yi Mona* YANG, Yu-en WONG, Yin Kiu	PY03b-23	Patrick YUE	Smart Charging Load Management System for Electric Vehicles in Residential Buildings	FYP	Shaneli
YEUNG, Ka Wai* LAW, Ngai Ting SUM, Tik Cheong	PY04a-23	Patrick YUE	Low-Cost Automatic Leveling Laser Level	FYP	David
HUANG, Zongwei* LIN, Guancheng GUAN, Jingsheng	SQ01a-23	Qiming SHAO	Embedded systems for AI hardware	FYP	Shaneli
NG, Wah Shing	SQ01b-23	Qiming SHAO	Embedded systems for AI hardware	FYP	David
ZHANG, Yutian	SQ02a-23	Qiming SHAO	SRAM in-memory computing circuit design	FYT	Shaneli
SHI, Yiqi	SQ03a-23	Qiming SHAO	MRAM circuit design	FYT	David
YUN, Hojin	SQ03b-23	Qiming SHAO	MRAM circuit design	FYT	Shaneli
MA, Wanqin	MR01a-23	Ross MURCH	Indoor RF Imaging Techniques for future 6G Wireless Communications	FYT	David
WONG, Sai Hei* WONG, Chung Hin	MR02a-23	Ross MURCH	Net-Zero IoT based Sensing System	FYP	Shaneli
LEE, Tsz Ho	MR03a-23	Ross MURCH	Extended Radio Tomographic Imaging System	FYP	David
WONG, Yuk Ming	MS01a-23	Scottie MAN	Design of Bandgap Reference IC	FYP	Shaneli

CHONG, Tsun Daniel* HO, Si Nga Esther	MS02a-23	Scottie MAN	Design of Low-Dropout Regulator IC	FYP	David
LAW, Wun Tsz* LO, Yee Kit WONG, Yun Jing	SSJ02a-23	Shaojie SHEN	A Swarm of UAVs	FYP	Shaneli
LAU, Cheuk Hei* KO, Chun Sum	SS01a-23	Shenghui SONG	Soft Robotic Fish for Underwater Exploration (Underwater Communication) - co- supervised by Prof. Scharff Rob	FYP	David
ZHAO, Yudan WONG, Ho Lik ZENG, Yuqian	SS02a-23	Shenghui SONG	Soft Robotic Fish for Underwater Exploration (Depth and Direction Control) - co-supervised by Prof. Scharff Rob	FYP	Shaneli
PANG, Pak Hin Jammie* CHOI, Yin Yuk	SS02b-23	Shenghui SONG	Soft Robotic Fish for Underwater Exploration (Depth and Direction Control) - co-supervised by Prof. Scharff Rob	FYP	David
YU, Chun Ho	SS03a-23	Shenghui SONG	Edge AI	FYT	Shaneli
TAM, Chak Shing* LEE, Man Kwong	WKT01a-23	Tim WOO	Student initialized project	FYP	David
CHENG, Ping Chun	WKT02a-23	Tim WOO	Real-time motion capture for body health analysis in games	FYP	Shaneli
CHEUNG, Yin Donald* NG, Ka Yu Ison	WKT02b-23	Tim WOO	Real-time motion capture for body health analysis in games	FYP	David
MANDAVA, Abhijith Sai	WKT03a-23	Tim WOO	Low voltage system for EV conversion project	FYP	Shaneli
CHARLES, Andre	WKT04a-23	Tim WOO	AI-driven sentiment analysis for customer insights in E- commerce	FYP	David
CHIU, Yam Lung	WKT05a-23	Tim WOO	Cable design for acoustical engineering	FYP	Shaneli
OU, Yuping	VL01a-23	Vincent LAU	Self-Proposed Projects	FYP	David
YEUNG, Sze Nga* CHONG, Tin Chi CHEN, Yuyang	VL01b-23	Vincent LAU	Self-Proposed Projects	FYP	Shaneli
CHAN, Kit Hin	VL02a-23	Vincent LAU	AI-Assisted PCB Image Registration and Precise Alignment	FYT	David
TSE, Pui Ling	VL02b-23	Vincent LAU	AI-Assisted PCB Image Registration and Precise Alignment	FYT	Shaneli

MANG, Tsz Lan* SHEK, Cheuk Hei	MWH01a-23	Wai Ho MOW	Distant heart-rate monitoring under dim light environments	FYP	David
AU-YEUNG, Yin Michael* AO, Cheuk Hin CHENG, Ho Kei Sony	MWH02a-23	Wai Ho MOW	ChatGPT-powered visual assistant for the visually impaired	FYP	Shaneli
KUNG, Man Kin* CHAN, Hoi Wai HSU, Yang-ko	MWH03a-23	Wai Ho MOW	Rodents recognition and tracking using thermal video analytics	FYP	David
CHIO, Yat Hei* SHUM, Kwan Ho LUK, Pak Him	ZW01a-23	Wei ZHANG	Hardware Acceleration of Data Processing	FYP	Shaneli
XUE, Hongjia* DAI, Aijing ZHAO, Haihan	ZW01b-23	Wei ZHANG	Hardware Acceleration of Data Processing	FYP	David
LIANG, Ting-hsu* TSOU, Pei-en CHANG, Long Sum	ZW01c-23	Wei ZHANG	Hardware Acceleration of Data Processing	FYP	Shaneli
TONG, Wing Chung	YW01a-23	Weichuan YU	The third generation sequencing data analysis with applications in the understanding of breast cancer	FYP	David
KWONG, Kin Pong* XU, Zhipeng	YW02a-23	Weichuan YU	Database search methods for peptide identification	FYP	Shaneli
AU, Tsz Hei	KW02a-23	Wing Hung KI	Power Management Circuit and System Design	FYP	Shaneli
TSE, Cheuk Hin	KW02b-23	Wing Hung KI	Power Management Circuit and System Design	FYP	David
HUI, Hiu Fai	KW02c-23	Wing Hung KI	Power Management Circuit and System Design	FYP	Shaneli
ZHU, Boan* LIU, Yunfei HE, Yichen	LXM01a-23	Xiaomeng LI	Self-Proposed Project for an Image Analysis Application	FYP	David
LEUNG, Chi Ho* LAU, Sik Yu	YX01a-23	Xiong YANG	AI assistant tactile sensor for full directional force sensing	FYP	Shaneli
YIP, Chin Wang* LI, Po Lung	SY01a-23	Yajing SHEN	Cleaning Robot Development for Wastewater Treatment	FYP	David
CHOW, Kin Yan* KE, Xuanqi	SY02a-23	Yajing SHEN	Mobile Robot for MTR inspection	FYP	Shaneli
YU, Tak Nok Douglas	SY04a-23	Yajing SHEN	Wireless Capsule Robot for Gastrointestinal Diagnosis	FYP	David
HO, Kar Man* CHAN, Chi Shing WONG, Kam Tang	YYS01a-23	Yansong YANG	Microfabrication technologies of microelectronic devices	FYP	Shaneli
WONG, Sing Nam* TAM, Kwan Ho CHEN, Guoneng	YYS01b-23	Yansong YANG	Microfabrication technologies of microelectronic devices	FYP	David
SEE, Kam Hin* TONG, Ching Tin VALLE, Jassen Regg L.	LYH01a-23	Yen Hung LIN	GPT SOLAR: Grinding the untold truth of Photon Transitions in perovskite SOLAR cells	FYP	Shaneli

AU, Sik Keung* CHAN, Chak To YEUNG, Chi Man	LYH01b-23	Yen Hung LIN	GPT SOLAR: Grinding the untold truth of Photon Transitions in perovskite SOLAR cells	FYP	David
HUANG, Chun-kuo* WU, Siu Kwan	ZY02a-23	Yihan ZHANG	Modular System Design for IC Verification	FYP	Shaneli
JEON, Juho	ZY03a-23	Yihan ZHANG	CMOS SAR ADC Design	FYT	David
WANG, Ziyi	WY01a-23	Yiwen WANG	Continuous Neural Decoding for Brain Machine Interfaces	FYP	Shaneli
LAW, Chun Yin	LZH01a-23	Zehong LIN	Robust Federated Learning	FYP	David
MAK, Ho Wai Winson	XZY01a-23	Zhiyao XIE	Data Analysis of IC Design Quality Among Different Design Stages	FYP	Shaneli