Project Code	E1_SUM_01		
Project	Internship Category	Summer	
Detail	Internship Period	Jun 2022 to Aug 2022	
	Preferred Discipline	First Preference:	
		Electrical Engineering	
		Other Preference:	
		Nil	
	Project Name	Study & Enhancement of Emergency Cases Reporting System	
	Business	• To review the overall process of emergency cases in	
	Objective(s)	Emergency Services.	
		• To improve and develop record and reporting system,	
		which can be applicable to our staff in timely handling	
		emergencies.	
	Project Description	Emergency Services team seeks to uphold the	
		restoration processes with numerous enhancement	
		initiatives in order to meet all service pledges.	
		 I his project aims to offer a platform for the intern to conduct the technical study on fault headling and 	
		ropair processes	
		 Candidate is needed to develop a presentable 	
		reporting model for routine control and monitoring	
		reporting moder for routine control and monitoring.	
-	Required Skills	 Sound power system and related equipment knowledge 	
		Comprehension, analytical and communication	
		abilities with relevant parties involved throughout the	
		project	
		 Creative and flexible in design thinking 	
		Proficient Microsoft Office skills	

Project Code	F1 SUM 02			
Project	Internship Category	Summer		
Detail	Internship Period	Jun 2022 to Aug 2022		
	Preferred Discipline	First Preference: Electrical Engineering Other Preference:		
		Energy Engineering		
	Project Name	Demand side management in smart grid		
	Business	• An overall review on drivers, benefits, approaches and		
	Objective(s)	current state for demand side management in globally.		
		 Benchmark global utilities smart grid practices to 		
		resolve distribution network constraint.		
	Project Description	 To conduct worldwide market research on new 		
		technology and its applications related to demand		
		side management.		
		 I o benchmark global utilities practices on smart grid initiation on demond memory and 		
		Initiative on demand management.		
		To formulate options and conduct feasible study for demand recognize management in Hong Kong		
		To support the study on localized demand response		
		projects and stakeholders management for proof-of-		
		concept (PoC).		
		• To assist the cost-benefit evaluation on the PoC		
		projects for full scale implementation.		
		• To conduct data analytics on system load forecast and		
		its correlation with weather forecasts and records.		
	Required Skills	Basic knowledge in electrical engineering with sound		
		knowledge of power systems		
		 Proactive, creative, self-motivated, well-organised, 		
		detail-minded, and responsible individual		
		Excellent team player, outgoing and eager to learn		
		Excellent command of both written and spoken Chinasa and English		
		Chinese and English		
		Proficiency in vis word, excel, PowerPoint & word Processing		
		Knowledge of Matlab or other computerized		
		simulation tool is an advantage		

	E1_SUM_03		
Project I	Internship Category	Summer	
Detail I	Internship Period	Jun 2022 to Aug 2022	
6	Preferred Discipline	First Preference:	
		Electrical Engineering	
		Other Preference:	
		Electronic Engineering	
1	Project Name	Optimizing Transmission Projects & Outages' planning	
	Business Objective(s)	 To improve systems for outage scheduling to optimize manpower arrangement, system availability and ensure statutory compliance. To improve the current platforms for the planning and reporting of the annual Transmission projects and associated equipment under the projects. 	
	Project Description	 The yearly outage plan within Transmission is prepared at the start of each year. The preparation of the outage plan highly depends on the experiences of the planner regarding system loading, statutory requirements & manpower available in each work team, etc. In addition, multiple parties may request to work on the same equipment over different time, resulting in repeated outage and is not desirable in view of system availability. A user-friendly platform to help the planner to prioritize and arrange the numerous outages is desired. The system should be able to group all related outages to avoid repeated outages while optimizing the manpower resources utilization. Propose a suitable outage schedule after checking the existing outage plan and other limitation. The process automation system can help planner to manage the certificate efficate etc. On the first working day of each month, a target achievement report is generated using Excel and submitted to the person in charge in order to monitor the work order completion status of line branch in TD for the previous month. Existing target achievement report filter to fit TD's requirement. In order to have better interpretation of the target achievement data, a 	

	some buttons.
Required Skills	 Using Office 365 related code libraries to simplify the writing of code Detail-orientated Mindset Communication and interpersonal skills

Project Code	E1 SUM 04			
Project	Internship Category	Summer		
Detail	Internship Period	Jul 2022 to Aug 2022		
	Preferred Discipline	First Preference: Electrical Engineering Other Preference: Nil		
	Project Name	Visualization of Plant Requirements for Transmission Substation Design		
	Business Objective(s)	 To uplift communicate with and help developers understand CLP's requirements of plant equipment for transmission substation design and to reduce iterative works by developers. To enhance the company's image and customers' satisfaction. 		
	Project Description	 Deliverables: Devise simplified drawing sketches of plant equipment to visualize the requirements of different plant equipment for delivery, installation, testing & commissioning and operation & maintenance, etc.; Enrich plant equipment design information as supplement to help developers understand our standard requirements in the Code of Practice. Learning: Acquire knowledge in transmission substation design and plant equipment; Gain exposure to project management, design thinking and analytical thinking; Visit transmission substations. 		
	Required Skills	 Proficiency in spoken and written Chinese and English; Being self-motivated, customer-oriented, a good team player, analytical, and able to work under pressure and tight schedule; Strong sense of responsibility with good interpersonal and communication skills; Proficiency in Microsoft Office, Microsoft Visio and AutoCAD 		

Project Code	E1_SUM_05		
Project	Internship Category	Summer	
Detail	Internship Period	Jun 2022 to Aug 2022 First Preference: Electrical Other Preference:	
	Preferred Discipline		
		Electronic/ Information Technology	
	Project Name	Automated Vehicle Utilization and Permit Monitoring System	
	Business	• To optimize the existing process which involves	
	Objective(s)	manual, repetitive works and minimize prone to	
		human errors especially for closed area permit	
		monitoring for Transmission Department.	
	Project Description	 The Closed Area Permit application is reviewed in monthly basis to check any of the vehicle's permit would be expired in coming two months. The valid Closed Area Permit of vehicles is essential to support operation but it relies on manual update and checking in excel file. The vehicle mileage report for department is compiled every 4 months, with various input sources. The process involves repetitive checking and verifying tasks. A user friendly platform which reduce human error and manual data entry by automatically collecting, uploading or syncing data into the record for generating report, providing notification in advance for Closed Area Permit renewal would definitely desired to users, with potential productivity gain and essential to daily operation. 	
	Required Skills	 Microsoft Power Platform(Power BI, Power Apps, Power Automate) Blue prism would be an advantage Communication and interpersonal skills 	

Project Focus – E	lectrical Engine	eering (Summer)
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Project Code	E1_SUM_06		
Project	Internship Category	Summer	
Detail	Internship Period	Jun 2022 to Aug 2022 Electrical Engineering	
	Preferred Discipline		
	Project Name	Improvement on distribution Low-voltage network	
	Business Objective(s)	 To improve system reliability and keep up customer service pledge by identifying system weakness and improvement opportunities of distribution low- voltage network 	
	Project Description	 Distribution low-voltage network is a crucial stage for the supply reliability of the power system, as it is connected directly to customers, and is generally configured as radial fed network. The project aims to realize the established strategic project framework, review and expedite its implementation, and monitor progress of system improvement projects. 	
	Required Skills	• Nil	

Project Code	E1_SUM_07		
Project	Internship Category	Summer	
Detail	Internship Period	Jun 2022 to Aug 2022 Nil	
	Preferred Discipline		
	Project Name	Distribution Construction Project	
	Business Objective(s)	 To participate construction branch activities such as installation and commission of distribution cable, plant, OHL and protection system in the power network in order to nurture a young talent pool. 	
	Project Description	 Develop understanding on Construction Branch activities such as cable laying, plant erection, overhead line erection and commissioning of installed power plant and equipment. 	
	Required Skills	 Good communication and analytical skills Fluent in both Cantonese and English. Good in MS Office applications Good in Power BI would be advantage. 	