

SBS5498 Final Year Project 2 (Applied Research Project) (2018-2019)

Updated: 21-Mar-2019

Ref.	Student. No.	Name	Programme	Year	in Chinese	Project Title	Supervisor	Moderator
1	170185497	CHAN Wai Man	BEng(BSE) ST125103	4	陳煒文	A study of sustainable green building design in Hong Kong	CY	PY
2	170079399	CHEUNG Chun Wai	BEng(BSE) ST125103	4	張俊偉	Study of thermal comfort on bus in Hong Kong	CY	LYM
3	170011203	CHEUNG Jeremy Daniel	BEng(BSE) ST125103	4	張圳堯	Comparative study of green building assessment standards between Hong Kong and Singapore	CY	PY
4	170358886	KWOK Man Ho	BEng(BSE) ST125103	4	郭文浩	Comparative study of green building assessment standards between Hong Kong and U.K.	CY	PY
5	170364358	LUNG Pak Hei	BEng(BSE) ST125103	4	龍柏熹	Comparative study of different domestic water supply schemes in high-rise buildings	CY	ET
6	170088962	MAN Wai Nam	BEng(BSE) ST125103	4	文煒嵐	Feasibility study of using variable frequency pump for domestic water supply in high-rise buildings in Hong Kong	CY	ET
7	170083524	NG Ka Wing	BEng(BSE) ST125103	4	吳嘉穎	Economic analysis of using tri-generation system in sewage treatment plant in Hong Kong	CY	DW
8	170083604	SETO Tin Tak	BEng(BSE) ST125103	4	司徒天德	Feasibility study of tri-generation system in sewage treatment plant in Hong Kong	CY	DW
9	170360206	TAM Wai Hoi	BEng(BSE) ST125103	4	譚偉鎧	Comparative study of green building assessment standards between Hong Kong and U.S.	CY	PY
10	170129740	YEUNG Chun Ho	BEng(BSE) ST125103	4	楊竣皓	Critical review of thermal comfort in sleep environment	CY	PY
11	150206220	CHAN Tak Hei	BEng(BSE) ST145103	4	陳得禧	Study on sustainability & green features by the VTC for the Student Dormitory in Tsing Yi	DW	SH
12	150619407	CHING Man Kit	BEng(BSE) ST145103	4	程文傑	How to make a hospital to become a healthy building and prevent sick by enhancing great IEQ	DW	LYM
13	170168869	CHOI Man Kit	BEng(BSE) ST125103	4	蔡文傑	Building services retrofitting for converting an industrial building into a hotel building to enhance tourist accommodation in Hong Kong	DW	SH
14	151146707	IP Cheuk Hin	BEng(BSE) ST145103	4	葉卓軒	Comparison of water supply calculation method from different regions in terms of application in Hong Kong	DW	ET
15	170362120	KWOK Fung Yuet	BEng(BSE) ST125103	4	郭豐悅	Green rating system for serviced apartment in Hong Kong	DW	PY
16	170357318	YIP Sau King	BEng(BSE) ST125103	4	葉秀琼	Building services retrofitting to improve energy efficiency and cost effectiveness of an institution building in Hong Kong	DW	SH
17	170203723	FUNG Ching Hong	BEng(BSE) ST125103	4	馮正康	Developing prototype building simulation models for sustainable urban design	ET	YHX
18	170130112	IU Hong Chin Odin	BEng(BSE) ST125103	4	姚国展	Study on lightpipe application in a shopping centre by energy simulation	ET	RN
19	150595478	LI Hin Ho	BEng(BSE) ST145103	4	李獻皓	Study on how the variable of Round trip time (RTT) during up-peak period affect the percentage of the maximum actual car capacity (AC) in MTR station	ET	RN
20	170264857	NG Ka Ying	BEng(BSE) ST125103	4	吳珈瑛	Application of combined heat and power system in hospitals	ET	LYM
21	150819141	POON Tsz Ching	BEng(BSE) ST145103	4	潘芷晴	A study on daylight-linked control system for dense urban environment	ET	RN
22	170389494	TAM Wing Chuen	BEng(BSE) ST125103	4	譚永泉	Validation of integrated photovoltaic and solar thermal panel simulation model in sub-tropical region	ET	WSF
23	140631202	TSANG Fu Him	BEng(BSE) ST145103	4	曾富謙	Effectiveness of communication protocols of smart control system	ET	RN
24	150624478	TSANG Hok Yin	BEng(BSE) ST145103	4	曾學賢	Investigation on performance of integrated photovoltaic and solar thermal panel in small house	ET	WSF
25	170076404	CHAN Terry	BEng(BSE) ST125103	4	陳綽弦	A study on microwave sterilization technology in central air conditioning system	HL	CY
26	170181505	HUI Kin San	BEng(BSE) ST125103	4	許堅新	Indoor thermal comfort evaluation of gym room in Hong Kong	HL	CY
27	170115157	TSE Chung Hei	BEng(BSE) ST125103	4	譚宗希	Performance of PV solar panel arrays with tracking system in Hong Kong	HM	WYH
28	170361412	CHAN Ho Yeung Karl	BEng(BSE) ST125103	4	陳皓陽	Study on the indoor environment in multi-storey car parks	LYM	YHX
29	170357331	HUI Wui Shing	BEng(BSE) ST125103	4	許滙聖	Study on the indoor environment in public sports centre	LYM	YHX
30	150452812	KUNG Yan Ying	BEng(BSE) ST145103	4	龔殷榮	Study of the residential environmental between the public housing and the private housing in Hong Kong	LYM	YHX
31	170363177	KWONG Kin Shing	BEng(BSE) ST125103	4	鄺建鉞	Assessment of indoor air environment of the libraries in Hong Kong	LYM	YHX
32	170262305	LAM Hin Shun Thomas	BEng(BSE) ST125103	4	林顯信	Study on the environment in public transport interchange in Hong Kong	LYM	YHX
33	150359236	LAU Kin Long	BEng(BSE) ST145103	4	劉健朗	Study on potential power generation from fresh water supply system in high-rise residential buildings	LYM	YHX
34	150616976	LAW Wing Siobhan	BEng(BSE) ST145103	4	羅穎	Study on the indoor environment in shopping mall	LYM	YHX
35	170357195	LEE Kui Sang	BEng(BSE) ST125103	4	李鉅生	Study on the indoor environment in public markets	LYM	YHX
36	170023515	MAK Chi Teng	BEng(BSE) ST125103	4	麥子庭	Study on the feasibility of air side free cooling for office building in Hong Kong	LYM	YHX
37	170352716	TSE Tsz Fung	BEng(BSE) ST125103	4	謝梓峰	Study on potential power generation with PV panels on THEi building	LYM	WYH
38	170361332	CHEN Chi Leung	BEng(BSE) ST125103	4	陳志良	Study of ice-based thermal storage technology and application in Hong Kong	PY	LYM
39	170436113	KONG Fu Lok	BEng(BSE) ST125103	4	江富洛	A study on cooling load calculation	PY	CY
40	150312330	LAM Ka Tsun Lester	BEng(BSE) ST145103	4	林嘉浚	Prefabricated Modelling Building in Hong Kong	PY	DW
41	170437202	LEUNG Tsz Kit	BEng(BSE) ST125103	4	梁子傑	A comprehensive review on passive design approaches in green building rating tools	PY	SH
42	170078919	NG Ho Yin	BEng(BSE) ST125103	4	伍浩賢	Study of thermal storage technology and application in Hong Kong	PY	LYM
43	170359453	NG Wing Ka	BEng(BSE) ST125103	4	吳詠嘉	Green building rating system comparison	PY	ET
44	170053243	SIT Hong Ting	BEng(BSE) ST125103	4	薛康婷	Study of green building development in Hong Kong	PY	DW
45	170345018	XUE Mouming	BEng(BSE) ST125103	4	薛謀明	Critical review of thermal comfort in lecture theatre	PY	LYM
46	170437459	YIP Man Tung	BEng(BSE) ST125103	4	葉文通	Study of humidity control application of residential building in Hong Kong	PY	CY
47	150612603	YU Chak Ki	BEng(BSE) ST145103	4	余澤奇	Study of the cooling load calculation methods	PY	CY
48	170438260	CHAN Pak Hong	BEng(BSE) ST125103	4	陳柏匡	Development of a smart building model for BSE education from the perspective of visual comfort	RN	DW
49	170361215	CHAN Tsz Wing	BEng(BSE) ST125103	4	陳芷穎	Application of BIM on BEAM Plus NB v1.2 submission	RN	PY
50	151147857	KAN Chung Yin Joel	BEng(BSE) ST145103	4	簡仲賢	BIM: Education needs in Hong Kong	RN	PY
51	150332297	KWONG Hoi Fai	BEng(BSE) ST145103	4	鄺曉輝	Indoor lighting quality and energy implications by using advanced nanocoating luminaires	RN	ET
52	150405687	LAI Ka Yan	BEng(BSE) ST145103	4	黎家欣	Development of a smart building model for BSE education from the perspective of indoor air quality (IAQ)	RN	CY
53	150062428	LAM Chung Yan	BEng(BSE) ST145103	4	林煥恩	Development of a smart building model for BSE education from the perspective of thermal comfort	RN	CY
54	170121060	LAW Pui Yin	BEng(BSE) ST125103	4	羅珮賢	Background light level from neighboring residences in Hong Kong	RN	ET
55	170081739	LUI Ka Ho	BEng(BSE) ST125103	4	呂嘉豪	Light pollution caused by billboards in Wan Chai district 2019	RN	ET
56	170085401	MAN Nok Wai	BEng(BSE) ST125103	4	文諾偉	Perception of light pollution in Hong Kong 2019	RN	ET
57	150519617	SO Ka Him	BEng(BSE) ST145103	4	蘇嘉謙	Relationship between camera white balance settings and luminance acquisition by high dynamic range (HDR) photography	RN	ET
58	170104942	TSANG Lok Tung	BEng(BSE) ST125103	4	曾樂彤	Evaluating the effectiveness of light therapy caps on mitigating dementia	RN	ET
59	150298816	WONG Wai Lok	BEng(BSE) ST145103	4	黃偉樂	Smart films on façade glazing for effective daylighting control	RN	ET
60	170180625	CHAN Ka Leong	BEng(BSE) ST125103	4	陳嘉亮	Study of lighting system design and performance in libraries	SH	ET
61	170055931	CHEUNG Yuk Yin Anakin	BEng(BSE) ST125103	4	張毓彦	Energy modelling and analysis of variable refrigerant flow (VRF) system	SH	LYM
62	150311671	KONG Ka Yan	BEng(BSE) ST145103	4	江家欣	Study of lighting and visual environment for elderly to reduce accidental falls	SH	DW
63	170356985	KWOK Ka Po	BEng(BSE) ST125103	4	郭嘉寶	Study of lighting system design and performance in lecture theatres	SH	RN
64	170073623	LAI Tsz Fung	BEng(BSE) ST145103	4	賴梓鋒	Experimental study and field test of variable refrigerant flow (VRF) system	SH	LYM
65	170204467	LAU Chung Fung	BEng(BSE) ST125103	4	劉松峰	Assessing visual comfort in existing university classrooms	SH	RN
66	170690649	LEUNG Hoi Man	BEng(BSE) ST125103	4	梁愷敏	Study of lighting design in lecture theatres using emotional design concept	SH	RN
67	150493007	LO Tik Chi	BEng(BSE) ST145103	4	羅迪智	Feasibility of applying chilled ceiling for office buildings in Hong Kong	SH	LYM
68	170206504	NG Yi Yan	BEng(BSE) ST125103	4	吳汶欣	Investigation of local cooling on thermal comfort in sleeping environments	SH	CY
69	170437195	TO Ho Yin Kevin	BEng(BSE) ST125103	4	杜浩然	Lighting requirements and design considerations for the elderly	SH	DW
70	150043322	WONG Kin Shing	BEng(BSE) ST145103	4	黃健成	Evaluation of energy saving opportunities in student dormitory	SH	PY
71	170168507	WONG Man Ka	BEng(BSE) ST125103	4	黃文嘉	Study of adaptive thermal comfort in a student dormitory in Hong Kong	SH	CY
72	150403135	WONG Wing Huen, Unique	BEng(BSE) ST145103	4	黃泳翻	Assessment of indoor environment in small residential flats with open kitchen design	SH	DW
73	170001049	WONG Yuk Yin	BEng(BSE) ST125103	4	黃玉賢	Assessment of the potential of evaporative roof cooling in Hong Kong climate	SH	LYM
74	150483259	CHAN Hei Nam	BEng(BSE) ST145103	4	陳晞楠	Conceptual construction and design of a 10 kW, stand-alone PV system on residential roof	WSF	WYH
75	150567979	CHEN Sitong	BEng(BSE) ST125103	4	陳思彤	Conceptual construction and design of a 200 kW PV system on a commercial building in Hong Kong	WSF	WYH
76	170358247	HU Fu Keung	BEng(BSE) ST125103	4	胡富強	Conceptual design of solar energy powered unmanned aerial vehicle (UVA)	WSF	WYH
77	170358235	HUANG Xinglang	BEng(BSE) ST125103	4	黃型朗	Conceptual design of solar and wind powered road lamps in on Hong Kong hiking trails	WSF	WYH
78	150483917	LAM Cheuk Fung	BEng(BSE) ST145103	4	林煥楓	Conceptual construction and design of a 10 kW, grid-tied PV system on wasteland in Hong Kong	WSF	WYH
79	170068256	TSE Wing Chun	BEng(BSE) ST125103	4	謝詠珍	Application of micro-inverters in the distributed PV systems in Hong Kong	WSF	WYH
80	150470922	WONG Tze Lok	BEng(BSE) ST145103	4	黃子洛	Investigation on the feed-in tariff (FiT) scheme in Hong Kong and its promotion of renewable energy adoption	WSF	WYH
81	150101422	WONG Wing Him Jason	BEng(BSE) ST145103	4	王穎謙	Conceptual design of solar energy powered road lamps in THEi Tsing Yi Campus	WSF	WYH
82	170360962	YIP Hing Nin	BEng(BSE) ST125103	4	葉興年	Conceptual design and economic analysis of a 10 kW wind power system on roof of THEi Building	WSF	WYH
83	150607027	HO Chiu Hin	BEng(BSE) ST145103	4	何昭靈	Investigation on the development of transparent heat insulation coating and its application on the glass of green buildings	WYH	WSF
84	150363852	KWOK Tsz Yin	BEng(BSE) ST145103	4	郭梓賢	Balancing of an integrated green roof and solar photovoltaic system in Hong Kong building	WYH	WSF
85	170042947	KWONG King Man	BEng(BSE) ST125103	4	鄺景文	Investigation on the development of UV protection coating and its application on green buildings	WYH	WSF
86	150596703	LAM Calvin	BEng(BSE) ST145103	4	林嘉瀚	Investigation on the development of photovoltaic tile technology and its application on green buildings	WYH	WSF
87	150213481	LAM Wa Sing	BEng(BSE) ST145103	4	林華星	Conceptual construction and design of a 100kW PV system on a flat rooftop in Hong Kong, a grid-tied system	WYH	WSF
88	150519979	LIANG Jiahao	BEng(BSE) ST125103	4	梁嘉昊	Investigation on the development of building integrated photovoltaic technology and its application on green buildings	WYH	WSF
89	170207389	TAI Yuk Man	BEng(BSE) ST125103	4	戴煜文	Investigation on the development of photocatalyst technology and its application on the air purification of green buildings	WYH	WSF
90	150025783	TONG Yung Kin	BEng(BSE) ST145103	4	湯鎔鍵	Investigation on the development of vacuum glass and its application on green buildings	WYH	WSF
91	150612977	YIP Wing Chun	BEng(BSE) ST145103	4	葉榮駿	Conceptual construction and design of a small-scale PV system on wasteland in Hong Kong, grid-tied system	WYH	WSF
92	170359533	CHAN Chun Sing	BEng(BSE) ST125103	4	陳俊聲	Comparative study of single curtain wall and double skin curtain wall	YHX	DW
93	150020068	CHOW Man Cheung	BEng(BSE) ST145103	4	周文祥	Case study of a low energy consumed data center	YHX	DW
94	170437853	CHUNG Ming Hon	BEng(BSE) ST125103	4	鍾明翰	Sustainable technologies in buildings with an emphasis on ventilation	YHX	PY
95	170089805	FUNG Wai Cheong	BEng(BSE) ST125103	4	馮偉昌	Case study of a low energy consumed commercial building	YHX	DW
96	170357091	KWOK Ka Ning	BEng(BSE) ST125103	4	郭家寧	Case study of a low energy consumed residential building	YHX	DW
97	170376960	LAM Leong Wai	BEng(BSE) ST125103	4	林亮懷	Feasibility study of double skin curtain wall application in Hong Kong	YHX	DW
98	170384609	LAM Wang Tsun	BEng(BSE) ST125103	4	林宏峻	Energy efficiency analysis of the Zero Carbon Building (ZCB) in Hong Kong	YHX	DW
99	170476670	LEE Chak Sum	BEng(BSE) ST125103	4	李澤森	Indoor thermal comfort evaluation of an office in Hong Kong	YHX	CY
100	170101269	LEUNG Ming Kei	BEng(BSE) ST125103	4	梁銘基	Sustainable technologies in buildings with an emphasis on A/C	YHX	DW
101	170178931	YEUNG Kai Tok	BEng(BSE) ST125103	4	楊啟鐸	Comparative study of zero energy building between Hong Kong and Japan	YHX	DW

Academic staff:

		Supervisor	Moderator	Supervisor + Moderator
SH	Ir Dr Sam C M Hui	14	4	18
DW	Sr Ir Dr Dennis W K Wu	6	16	22
WYH	Dr WANG Yuanhao	9	11	20
LYM	Dr LUO Yimo, Constance	10	10	20
WSF	Dr WANG Shi Feng, Stephen	9	11	20
ET	Dr Ernest TSANG Kin Wai	8	12	20
PY	Dr PAN Yan	10	10	20
YHX	Dr YAN Huaxia, Hannah	10	10	20
CY	Dr CHEN Yi, Cindy	10	10	20
RN	Ir Dr NG Tsz Ho Roger	12	7	19
HL	Dr LU Xiao Ying Helen (EEM)	2		2
HM	Miss MAK Ming Wai, Hilda (EEM)	1		1

Total 101 101 202