Semester 1					
Term 1 [3 Jan – 10 Mar]					
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment		
Week 1	Start Smart Program		-		
[2 Jan – 6 Jan]					
Week 2	Start Smart Program		-		
[9 Jan – 13 Jan]		Control			
Week 3 [16 Jan – 20 Jan] 18-Jan (Wed) timetable replaced with Monday timetable	 Class Admin. National Exam coursework syllabus briefing Release of Coursework QP Project theme analysis 	Gantt chartThemedefinition,Mood board	-		
CNY celebrations, 20 Jan (Fri)	 Start of Coursework Overall Project Planning Analysis of theme 				
Week 4	Coursework	- Mindmap	-		
[23 Jan – 27 Jan] CNY, 23 Jan (Mon) &	Analysis of themeNeeds Analysis	- Identification of problem situations			
24 Jan (Tue) Week 5	Coursework	- Identification of			
[30 Jan – 3 Feb] HBL A, 1 Feb (Wed)	 Needs Analysis Selection of Chosen Situation HBL assignment Theory revision on Mechanisms Continuation of coursework assignments 	problem situations - Decision matrix for chosen problem situation			
Week 6 [6 Feb – 10 Feb]	 Coursework Research on Chosen Situation Existing Products Survey and Survey Results, 	Existing products analysisSurvey and survey results summary	-		
Week 7 [13 Feb – 17 Feb] WA1 (Part 1) on 15 Feb (Wed)	 Coursework Research on Chosen Situation Target User Environment Design Brief Design Considerations & Constraints Design Specifications 	 User & Environment analysis Stating of design brief Identify design considerations & constraints Stating of design specs. 	-		

	T		1
Week 8	Coursework	- Ideation	-
[20 Feb – 24 Feb]	 Idea Conceptualisation 		
Week 9	Coursework	- Ideation	WA1 –
[27 Feb – 3 Mar]	 Idea Conceptualisation 	- Decision matrix	Written Test
	 Evaluation of Ideas (Chosen Idea) 	for chosen idea	Topics:
WA1 (Part 2)			Design Process &
on 1 Mar (Wed)	WA1 Written Test		Mechanisms
			TVICONOMISTIS
Week 10	Error Analysis WA1 Written Paper	- Exploration of	_
[6 Mar – 10 Mar]	Coursework	Forms &	
[0.1101 _0.1101]	Development of Chosen Idea	Functions	
	- Forms & Functions	- Critical	
	- Critical Dimensions and Sizing	dimensions &	
	- Anthropometry & Ergonomics	sizing	
	7 than opometry & Ergonomies	- Anthropometry	
		& Ergonomics	
		considerations	
		Considerations	
Term 2 [20 Mar – 26	May]		
Week	Chapter/Topic/Skill/Area	Assignment/	Weighted
		Homework	Assessment
		Homework	71336331116116
Week 1	Coursework	- Exploration of	-
Week 1 [20 Mar – 24 Mar]	CourseworkDevelopment of Chosen Idea		-
[20 Mar – 24 Mar]	Development of Chosen IdeaForms & Functions	- Exploration of	-
	 Development of Chosen Idea 	- Exploration of Forms & Functions - Critical	-
[20 Mar – 24 Mar]	Development of Chosen IdeaForms & Functions	- Exploration of Forms & Functions	-
[20 Mar – 24 Mar]	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing 	- Exploration of Forms & Functions - Critical	-
[20 Mar – 24 Mar]	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry	-
[20 Mar – 24 Mar]	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics	-
[20 Mar – 24 Mar]	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics • HBL assignment	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed)	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed)	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework Mock-ups 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making - Testing &	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework Mock-ups 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making - Testing & Evaluation of	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework Mock-ups 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making - Testing &	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2 [27 Mar – 31 Mar]	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework Mock-ups Testing & Evaluation of Mock-ups 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making - Testing & Evaluation of mock-ups	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2 [27 Mar – 31 Mar]	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework Mock-ups Testing & Evaluation of Mock-ups Coursework Coursework 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making - Testing & Evaluation of mock-ups	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2 [27 Mar – 31 Mar]	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework Mock-ups Testing & Evaluation of Mock-ups Coursework Mock-ups Coursework Mock-ups 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making - Testing & Evaluation of mock-ups - Mock-ups making	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2 [27 Mar – 31 Mar] Week 3 [3 Apr – 7 Apr]	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework Mock-ups Testing & Evaluation of Mock-ups Coursework Coursework 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making - Testing & Evaluation of mock-ups - Mock-ups making - Testing & T	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2 [27 Mar – 31 Mar]	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework Mock-ups Testing & Evaluation of Mock-ups Coursework Mock-ups Testing & Evaluation of Mock-ups 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making - Testing & Evaluation of mock-ups - Mock-ups making - Testing & Evaluation of mock-ups	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2 [27 Mar – 31 Mar] Week 3 [3 Apr – 7 Apr] HBL C, 5 Apr (Wed)	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework Mock-ups Testing & Evaluation of Mock-ups Coursework Mock-ups Testing & Evaluation of Mock-ups HBL assignment HBL assignment 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making - Testing & Evaluation of mock-ups - Mock-ups making - Testing & T	-
[20 Mar – 24 Mar] HBL B, 22 Mar (Wed) Week 2 [27 Mar – 31 Mar] Week 3 [3 Apr – 7 Apr]	 Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics HBL assignment Theory revision on Electronics Continuation of coursework assignment Coursework Mock-ups Testing & Evaluation of Mock-ups Coursework Mock-ups Testing & Evaluation of Mock-ups 	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations - Mock-ups making - Testing & Evaluation of mock-ups - Mock-ups making - Testing & Evaluation of mock-ups	-

Week 4	Coursework	- Application of	-
[10 Apr – 14 Apr]	 Development of Chosen Idea Types of Technology (if applicable) Choice of Materials Colour Options Methods of Construction & Assembly 	technology (if relevant) - Proposed materials choice - Proposed colour scheme - Methods of construction and assembly consideration	
Week 5	Coursework	- Parts drawing	-
[17 Apr – 21 Apr]	Details for PrototypingWorking drawings	- Orthographic Projection	
Oral Prelims for S4/5 on 19 Apr (Wed)		- Exploded view	
Week 6	Coursework	- Material List	
[24 Apr – 28 Apr]	Details for PrototypingMaterial List	- Presentation Drawing	
WA2 (Part 1) on 26 Apr (Wed)	 Presentation drawing 	-	
Hari Raya Puasa, 24 Apr (Mon)			
Week 7	Error Analysis WA2 Written Paper	- Material List	
[1 May – 5 May]	CourseworkDetails for Prototyping	- Presentation Drawing	
Labour Day, 1 May (Mon)	Material ListPresentation drawing		
Oral Prelims for S4/5 on 3 May (Wed)			
Week 8	WA2 Written Test	- Production	WA2 – Written Test
[8 May – 12 May]	Coursework Draduction Planning	schedule	Topics:
WA2 (Part 2) on 10 May (Wed)	Production PlanningPrototyping		Design Process &
	* Students to bring along their aprons		Electronics -
Week 9	Coursework	- Prototype	-
[15 May – 19 May]	 Prototyping 		
HBL D, 17 May (Wed)	 HBL assignment Theory revision on Design Process Continuation of coursework assignment 		
	* Students to bring along their aprons		
<u>L</u>	i i i i i i i i i i i i i i i i i i i	I	I .

Week 10	Coursework	- Prototype
[22 May – 26 May]	 Prototyping 	
	* Students to bring along their aprons	
June Holidays	Coursework	- Prototype
Lesson	 Prototyping 	- Prototype
Wk 1&4 (TBC)	 Evaluation of prototype 	evaluation
	 Presentation Boards Update 	- Presentation
		Boards
	* Students to bring along their aprons	

^{*}This subject overview is tentative and is subject to changes.