Term 1 [3 Jan – 10 Mar]				
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Assessment	
Week 1	Start Smart Program		-	
[2 Jan – 6 Jan]				
Week 2	Start Smart Program		-	
[9 Jan – 13 Jan]				
Week 3	Class Admin.	Gantt chart	-	
[16 Jan – 20 Jan]	 National Exam coursework 	Theme definition,		
	syllabus briefing	Mood board		
18-Jan (Wed) timetable replaced with Monday	o Release of Coursework QP			
timetable	 Project theme analysis 	 Practice paper(focus on 		
		design process)		
CNY celebrations,	Start of Coursework			
20 Jan (Fri)	Overall Project Planning			
	 Analysis of theme 		1	
Week 4	• Coursework	Mindmap	-	
[23 Jan – 27 Jan]	 Analysis of theme 	Identification of problem		
CANY 22 Inv. (Admin) 0	 Needs Analysis 	situations		
CNY, 23 Jan (Mon) & 24 Jan (Tue)	Theory	Practice paper(focus on		
	Design Process	design process)		
Week 5	Coursework	Identification of problem	-	
[30 Jan – 3 Feb]	Needs Analysis	situations		
UDI A 1 Fab (M/ad)	Selection of Chosen Situation	Decision matrix for chosen		
HBL A, 1 Feb (Wed)	 Continuation of coursework 	problem situation		
	assignments	HBL revision package		
	HBL assignment			
	Theory revision on Design Nachaniama			
Week 6	Process / Mechanisms	E tation and also and at		
	Coursework Change Situation	Existing products analysis	_	
[6 Feb – 10 Feb]	Research on Chosen Situation Striction Products	Survey and survey results		
	- Existing Products	summary		
	- Survey and Survey Results,			
	Theory: Design process/ mechanism			
Week 7	Practice paperCoursework	User & Environment	+	
[13 Feb – 17 Feb]	Research on Chosen Situation	analysis		
[10:00 1/:00]	- Target User	Stating of design brief		
WA1 (Part 1)	- Environment	Identify design		
on 15 Feb (Wed)	Design Brief	considerations &		
	 Design Considerations & 	constraints		
	Constraints	• Stating of design specs.		
	 Design Specifications 	3. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.		
	3			
	Theory: Design process/			
	Mechanism/structure (time practice)			

Term 1 [3 Jan – 10 Mar]				
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Assessment	
Week 8 [20 Feb – 24 Feb]	 Coursework Idea Conceptualisation Theory Review of time practice paper 	• Ideation	-	
Week 9 [27 Feb – 3 Mar] WA1 (Part 2) on 1 Mar (Wed)	 WA1 Written Test Coursework Idea Conceptualisation Evaluation of Ideas (Chosen Idea) 	 Ideation Decision matrix for chosen idea 	WA1 – Written Test Topics: Design Process, Mechanisms, Electronics	
Week 10 [6 Mar – 10 Mar]	 Theory: Error Analysis WA1 Written Paper Coursework Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics 	 Exploration of Forms & Functions Critical dimensions & sizing Anthropometry & Ergonomics considerations 	-	

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

Term 2 [20 Mar – 26 May]				
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Assessment	
Week 1 [20 Mar – 24 Mar] HBL B, 22 Mar (Wed)	 Coursework Development of Chosen Idea Forms & Functions Critical Dimensions and Sizing Anthropometry & Ergonomics Continuation of coursework assignment HBL assignment Theory revision on Design Process / Electronics 	 Exploration of Forms & Functions Critical dimensions & sizing Anthropometry & Ergonomics considerations 	-	
Week 2 [27 Mar – 31 Mar]	 Coursework Mock-ups Testing & Evaluation of Mock-ups 	Mock-ups makingTesting & Evaluation of mock-ups	-	
	Theory: Review HBL work			
Week 3 [3 Apr – 7 Apr] HBL C, 5 Apr (Wed) Good Friday, 7 Apr	 Coursework Mock-ups Testing & Evaluation of Mock-ups HBL assignment Theory revision on Design 	 Mock-ups making Testing & Evaluation of mock-ups 	-	
	Process / Structures Continuation of coursework assignment			
Week 4 [10 Apr – 14 Apr]	 Coursework Development of Chosen Idea Types of Technology (if applicable) Choice of Materials Colour Options Methods of Construction & Assembly Theory: Time practice + HBL review 	 Application of technology (if relevant) Proposed materials choice Proposed colour scheme Methods of construction and assembly consideration 	-	
Week 5 [17 Apr — 21 Apr] Oral Prelims for S4/5 on 19 Apr (Wed)	 Coursework Details for Prototyping Working drawings Theory: Time Practice 	 Parts drawing Orthographic Projection Exploded view	-	

Term 2 [20 Mar – 26 Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Assessment
Week 6	• Coursework	Material List	-
[24 Apr – 28 Apr]	Details for PrototypingMaterial List	Presentation Drawing	
WA2 (Part 1) on 26 Apr (Wed)	Presentation drawingTheory: Full paper		
Hari Raya Puasa, 24 Apr (Mon)			
Week 7	Coursework	Material List	-
[1 May – 5 May] Labour Day, 1 May	Details for PrototypingMaterial List	Presentation Drawing	
(Mon) Oral Prelims for S4/5 on 3 May (Wed)	- Presentation drawing		
Week 8	Theory: WA2 Written Test	Production schedule	WA2 -
[8 May – 12 May]	Coursework		Written Test
	 Production Planning 		<u>Topics:</u> Design
WA2 (Part 2)	 Prototyping 		Process,
on 10 May (Wed)			Mechanisms,
	* Students to bring along their aprons		Electronics,
			Structures
Week 9	Error Analysis WA2 Written Paper	- Prototype	-
[15 May – 19 May]	Coursework		
UDI D. 17.Ma	 Prototyping 		
HBL D, 17 May (Wed)	LIBI and a section		
,	HBL assignment The any revision on Machanisms /		
	Theory revision on Mechanisms / Electronics		
	Continuation of coursework		
	assignment		
	* Students to bring along their aprons		
Week 10	Error Analysis WA2 Written Paper	- Prototype	-
[22 May – 26 May]	Coursework		
-	 Prototyping 		
	Theory: Review of HBL		
	* Students to bring along their aprons		
June Holidays	Coursework	- Prototype	-
Lesson	Prototyping	- Prototype evaluation	
Wk 4 (TBC)	Evaluation of prototype	- Presentation Boards	
	Presentation Boards Update		
	* Students to bring along their aprons		

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