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] Week 3	Class Advisin	- Gantt chart			
[16 Jan – 20 Jan]  18-Jan (Wed) timetable replaced with Monday timetable	<ul> <li>Class Admin.</li> <li>National Exam coursework syllabus briefing</li> <li>Release of Coursework QP</li> <li>Project theme analysis</li> </ul>	- Gantt Chart - Theme definition, - Mood board	-		
CNY celebrations, 20 Jan (Fri)	<ul> <li>Start of Coursework</li> <li>Overall Project Planning</li> <li>Analysis of theme</li> </ul>				
Week 4 [23 Jan – 27 Jan]  CNY, 23 Jan (Mon) & 24 Jan (Tue)	<ul><li>Coursework</li><li>Analysis of theme</li><li>Needs Analysis</li></ul>	- Mindmap - Identification of problem situations	-		
Week 5 [30 Jan – 3 Feb]  HBL A, 1 Feb (Wed)	<ul> <li>Coursework         <ul> <li>Needs Analysis</li> <li>Selection of Chosen Situation</li> </ul> </li> <li>HBL assignment         <ul> <li>Theory revision on Mechanisms</li> <li>Continuation of coursework assignments</li> </ul> </li> </ul>	<ul> <li>Identification of problem situations</li> <li>Decision matrix for chosen problem situation</li> </ul>	-		
<b>Week 6</b> [6 Feb – 10 Feb]	<ul> <li>Coursework</li> <li>Research on Chosen Situation</li> <li>Existing Products</li> <li>Survey and Survey Results,</li> </ul>	<ul><li>Existing products analysis</li><li>Survey and survey results summary</li></ul>	-		
Week 7 [13 Feb – 17 Feb]  WA1 (Part 1) on 15 Feb (Wed)	<ul> <li>WA1 Written Test</li> <li>Coursework         <ul> <li>Research on Chosen Situation</li> <li>Target User</li> <li>Environment</li> <li>Design Brief</li> <li>Design Considerations &amp; Constraints</li> <li>Design Specifications</li> </ul> </li> </ul>	<ul> <li>User &amp; Environment analysis</li> <li>Stating of design brief</li> <li>Identify design considerations &amp; constraints</li> <li>Stating of design specs.</li> </ul>	WA1 – Written Test Topics: Design Process & Mechanisms -		

<b>Week 8</b> [20 Feb – 24 Feb]	Error Analysis WA1 Written Paper  Coursework  Idea Conceptualisation	- Ideation	-
Week 9 [27 Feb – 3 Mar]  WA1 (Part 2) on 1 Mar (Wed)	<ul> <li>Coursework</li> <li>Idea Conceptualisation</li> <li>Evaluation of Ideas (Chosen Idea)</li> </ul>	- Ideation - Decision matrix for chosen idea	
<b>Week 10</b> [6 Mar – 10 Mar]	<ul> <li>Coursework</li> <li>Development of Chosen Idea</li> <li>Forms &amp; Functions</li> <li>Critical Dimensions and Sizing</li> <li>Anthropometry &amp; Ergonomics</li> </ul>	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations	-
Term 2 [20 Mar – 26 l			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1 [20 Mar – 24 Mar]  HBL B, 22 Mar (Wed)	<ul> <li>Coursework</li> <li>Development of Chosen Idea         <ul> <li>Forms &amp; Functions</li> <li>Critical Dimensions and Sizing</li> <li>Anthropometry &amp; Ergonomics</li> </ul> </li> <li>HBL assignment         <ul> <li>Theory revision on Electronics</li> <li>Continuation of coursework assignment</li> </ul> </li> </ul>	- Exploration of Forms & Functions - Critical dimensions & sizing - Anthropometry & Ergonomics considerations	-
<b>Week 2</b> [27 Mar – 31 Mar]	<ul> <li>Coursework</li> <li>Mock-ups</li> <li>Testing &amp; Evaluation of Mock-ups</li> </ul>	- Mock-ups making - Testing & Evaluation of mock-ups	-
Week 3 [3 Apr – 7 Apr]  HBL C, 5 Apr (Wed)  Good Friday, 7 Apr	<ul> <li>Coursework         <ul> <li>Mock-ups</li> <li>Testing &amp; Evaluation of Mock-ups</li> </ul> </li> <li>HBL assignment         <ul> <li>Theory revision on Design Process</li> <li>Continuation of coursework assignment</li> </ul> </li> </ul>	- Mock-ups making - Testing & Evaluation of mock-ups	-

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

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

<sup>\*</sup>This subject overview is tentative and is subject to changes.