



# **Simulated Major Project - Course Structure (Road Map)**

## **Week 1 – Orientation, Project Scoping & Planning**

### **Learning Objectives:**

- Understand course expectations, timelines, assessment, and deliverables
- Select a project topic/Begin exploring potential project ideas

### **Activities:**

- Welcome session + introduction to capstone principles
- Program Manager-led workshop: How to choose a feasible project/Presentation of possible project themes
- Activity for Week 2 – Students draft:
  - Project Purpose
  - Problem Statement
  - Stakeholders
  - Deliverables
  - Constraints/assumptions
- Supervisor 1:1 short check-in

## **Week 2 – Research, Requirements & Design Options**

### **Learning Objectives:**

- Finalise groups (2–4 students)
- Decide on the final project
- Get approval from the Supervisor
- Write a Project Scope Document
- Create Project Timeline

### **Activities:**

- Students/Groups pitch their shortlisted project ideas
- Project refinement: feasibility, scope, complexity
- Meet with supervisor - Each group speaks briefly with available supervisors
- Project Approval

### **Deliverables:**

- Confirmed Group List
- Confirmed Supervisor
- Approved Project Title + Description
- Preliminary Project Scope (Draft)

## **Week 3 to Week 8 – Self-directed study and project development**



Week	Deliverables/Outcomes	
Week 1	-	
Week 2	<ul style="list-style-type: none"><li>Confirmed Group List</li><li>Confirmed Supervisor</li><li>Approved Project Title + Description</li><li>Preliminary Project Scope (Draft)</li></ul>	
Week 3	<ul style="list-style-type: none"><li>Finalise Project Scope</li><li>Detailed Project Plan<ul style="list-style-type: none"><li>Timelines</li><li>Roles</li><li>Deliverables, etc.</li></ul></li></ul>	
Week 4	<ul style="list-style-type: none"><li>Draft Design (Version 1) – At least “1. Introduction” and “2. Project Methodology” completed</li><li>Supervisor Feedback Notes</li></ul>	Project completion rate should align with the sections of the <u>Capstone Project Report (Design Report Structure)</u> .
Week 5	<ul style="list-style-type: none"><li>Draft Design (Version 2) – At least 70% completed project</li><li>Supervisor Feedback Notes</li></ul>	
Week 6	<ul style="list-style-type: none"><li>Draft Design (Version 3) – At least 90% completed project</li><li>Supervisor Feedback Notes</li></ul>	
Week 7	<ul style="list-style-type: none"><li>Final Report</li><li>Presentation Slides</li></ul>	
Week 8	<ul style="list-style-type: none"><li>Final Project Output</li><li>Final Report</li><li>Presentation to Industry Advisory Committee (IAC) panel</li></ul>	

**NOTE:**

1. Cross Referencing Report Workshop to be conducted in Week 2.
2. The group may include Supervisor Feedback Notes in their Final Project Report at the end.
3. Access to IAC – Industry Professional Practice Presentation (final panel presentation to the Industry Advisory Committee)