For use by the Project lecturer	Approved	Revision required
Feedback	For use by the P	roject module lecturer only

	ROJECT PRO		2024	Project no		Revision no	
Title	Surname	Initials	Student no	Study leader (tit	le, init	ials, surname)	
Project tit	le (the title on the project con	cept note)					

Language editor details	Language editor signature
Student declaration	Study leader declaration
I understand what	This is a clear and unambiguous
plagiarism is and that I	description of what is required
have to complete my	in this project. Approved for
project on my own.	submission (Yes/No)
Student signature	Study leader signature and date

<ol> <li>Project description</li> </ol>	L. Pro	oject	descri	ption
---	--------	-------	--------	-------

What is the problem to be solved with your project? What is your project about? What does your system have to do?

2. Technical challenges in this project
Describe the technical challenges that are <i>beyond</i> those encountered up to the end of third year and in other final year modules.
2.1 Primary design challenges Which aspects of the design of the system do you expect to be the most challenging?
2.2 Duine and invalence at attions about a consequence of the invalence of
2.2 Primary implementation challenges Which aspects of the implementation to you expect to be the most challenging?
3. Functional analysis
3. I difictional analysis
3.1 Functional description
Describe the design in terms of system functions as shown on the functional block diagram in section 3.2. This description should be in narrative format. DO NOT use a bullet list.

3.2 Functional block diagram (this should not be a flow diagram)	

	nts and specifications		
These are the core requirements	of the system or product (the mission-critical requirement Requirement 1: the fundamental functional and performance requirement of your project	nts) in table format <b>IN ORDER OF IMPORTANCE</b> . Require <b>Requirement 2</b> (Number 2 in the order of importance)	Requirement 3 (Number 3 in the order of importance)
1. Core mission requirements of the system or product. Focus on requirements that are core to solving the engineering problem. These will reflect the solution to the problem.			
2. What is the target specification (in measurable terms) to be met in order to achieve the requirement in 1. above?			
3. Motivation: Defend the specific target specification, i.e. the value that you selected. I.e., why will meeting the specification given in point 2 above solve the problem?			
4. How will you demonstrate at the examination that this requirement and specification (points 1 and 2 above) have been met? Be explicit about how you will prove these were met.			
5. Your own design contribution: what are the aspects that you will design and implement yourself to meet the requirement in point 2? If none, remove this requirement.			
6. What are the aspects to be taken off the shelf to meet this requirement? If none, indicate "none".  Clearly specify for what tasks library functions will be used (if relevant to the project).			

	Requirement 4	Requirement 5	Requirement 6
1. Core mission requirements of the system or product. Focus on requirements that are core to solving the engineering problem. These will reflect the solution to the problem.			
2. What is the target specification (in measurable terms) to be met in order to achieve the requirement in 1. above?			
3. Motivation: Defend the specific target specification, i.e. the value that you selected. I.e., why will meeting the specification given in point 2 above solve the problem?			
4. How will you demonstrate at the examination that this requirement and specification (points 1 and 2 above) have been met? Be explicit about how you will prove these were met.			
5. Your own design contribution: what are the aspects that you will design and implement yourself to meet the requirement in point 2? If none, remove this requirement.			
6. What are the aspects to be taken off the shelf to meet this requirement? If none, indicate "none".  Clearly specify for what tasks library functions will be used (if relevant to the project).			

	Requirement 7	Requirement 8	Requirement 9	
1. Core mission requirements of the system or product. Focus on requirements that are core to solving the engineering problem. These will reflect the solution to the problem.				
2. What is the target specification (in measurable terms) to be met in order to achieve the requirement in 1. above?				
3. Motivation: Defend the specific target specification, i.e. the value that you selected. I.e., why will meeting the specification given in point 2 above solve the problem?				
4. How will you demonstrate at the examination that this requirement and specification (points 1 and 2 above) have been met? Be explicit about how you will prove these were met.				
5. Your own design contribution: what are the aspects that you will design and implement yourself to meet the requirement in point 2? If none, remove this requirement.				
6. What are the aspects to be taken off the shelf to meet this requirement? If none, indicate "none". Clearly specify for what tasks library functions will be used (if relevant to the project).				

	Requirement 10	Requirement 11	Requirement 12
1. Core mission requirements of the system or product. Focus on requirements that are core to solving the engineering problem. These will reflect the solution to the problem.	•	·	
2. What is the target specification (in measurable terms) to be met in order to achieve the requirement in 1. above?			
3. Motivation: Defend the specific target specification selected, i.e. the value. Why will meeting the specification given in point 2 above solve the problem?			
4. How will you demonstrate at the examination that this requirement and specification (points 1 and 2 above) have been met? Be explicit about how you will prove these were met.			
5. Your own design contribution: what are the aspects that you will design and implement yourself to meet the requirement in point 2? If none, remove this requirement.			
6. What are the aspects to be taken off the shelf to meet this requirement?  If none, indicate "none".  Explicitly indicate what tasks library functions will be used for (if relevant to the project).			

6.1 Design and implementation tasks List your primary design and implementation tasks in bullet list format (5-10 bullets). These are not product requirements, but your tasks.  6.2 New knowledge to be acquired		Real world field condition 1	Real world field condition 2	Real world field condition 3
6. Student tasks 6.1 Design and implementation tasks List your primary design and implementation tasks in bullet list format (5-10 bullets). These are not product requirements, but your tasks.  6.2 New knowledge to be acquired	n which field conditions does the system have to operate?			
5.1 Design and implementation tasks ist your primary design and implementation tasks in bullet list format (5-10 bullets). These are not product requirements, but your tasks.  5.2 New knowledge to be acquired	hree most important field			
5.1 Design and implementation tasks ist your primary design and implementation tasks in bullet list format (5-10 bullets). These are not product requirements, but your tasks.  5.2 New knowledge to be acquired				
6.1 Design and implementation tasks List your primary design and implementation tasks in bullet list format (5-10 bullets). These are not product requirements, but your tasks.  6.2 New knowledge to be acquired				
List your primary design and implementation tasks in bullet list format (5-10 bullets). These are not product requirements, but your tasks.  6.2 New knowledge to be acquired				
	6.1 Design and imp		illets). <u>These are <i>not</i> product requirements, but <i>your</i> task</u>	<u>s.</u>
	List your primary design and in	e to be acquired	vledge you will acquire (beyond that covered in any othe	