

For use by the project lecturer	Approved	Revision required
Feedback		

To be completed by the student				
PROJECT PROPOSAL 2019			Project no	Revision no
Title	Surname	Initials	Student no	Study leader (title, initials, surname)
Project title				

Language editor name	Language editor signature
<u>Student declaration</u> I understand what plagiarism is and that I have to complete my project on my own.	<u>Study leader declaration</u> This is a clear and unambiguous description of what is required in this project
Student signature	Study leader signature

1. Project description What is your project about? What does your system have to do? What is the problem to be solved?
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2. Technical challenges in this project

Describe the technical challenges that are beyond those encountered up to the end of third year and in other final year modules.

2.1 Primary design challenges

2.2 Primary implementation challenges

3. Functional 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.

The idea in this section is correct. Note that it tells the story, and that it is not a bullet list with definitions. The latter would be incorrect.

Text is too large and
resolution is too low

3.2 Functional block diagram



Font size is way too
large. Also print quality /
resolution not correct.



The idea with this
functional block diagram
is correct.

4. System requirements and specifications

These are the core requirements of the system or product (the mission-critical requirements) summarised in table format .

	Requirement 1: fundamental functional and performance requirement	Requirement 2	Requirement 3
1. Core mission requirements of the system or product. Solution of the problem will be the most important requirement. Capture this in the set of requirements.			
2. What is the <u>target specification</u> (in measurable terms) to be met in order to achieve this requirement?			
3. Motivation: how will meeting this specification solve the problem?	 <div>text removed. Explain here why 1%? What will happen if this is not 1%?</div>	 <div>Text removed. Explain here what will happen if speed regulation is not accurate enough - why the choice of 5% as being accurate enough?</div>	
4. How will you <u>demonstrate at the examination</u> that this requirement has been met?			
5. What is the deliverable? What are the aspects that <u>you will design and implement yourself</u> to meet this requirement? If none, indicate clearly.			
6. What are the aspects <u>to be taken off the shelf</u> to meet this requirement? If none, indicate clearly.			

System requirements and specifications (continued)

	Requirement 4	Requirement 5	Requirement 6
1. <u>Core mission requirements of the system or product.</u> Solution of the problem will be the most important requirement. Capture this in the set of requirements.			
2. What is the <u>target specification</u> (in measurable terms) to be met in order to achieve this requirement?			
3. Motivation: how will meeting this specification solve the problem?		<div data-bbox="1050 727 1317 900" style="border: 1px solid red; padding: 5px;"> <p>Note incorrect font size used here. The template does not allow this, but somehow this was changed by the student. Please check in your own document.</p> </div>	
4. How will you <u>demonstrate at the examination</u> that this requirement has been met?			
5. What is the deliverable? What are the aspects that <u>you will design and implement yourself</u> to meet this requirement? If none, indicate clearly.			
6. What are the aspects <u>to be taken off the shelf</u> to meet this requirement? If none, indicate clearly.			

5. Field conditions

These are the core requirements of the system or product (the mission-critical requirements) summarised in table format .

	Field condition 1	Field condition 2	Field condition 3
Field condition requirement. In which field conditions does the system have to operate? Indicate the one, two or three most important field conditions.			<div>You need to be able to test this if specified. Think carefully. It is really relevant to specify temperature?</div>
Field condition specification. What is the specification (in measurable terms) for this field condition?			

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.

Note: always write in full sentences

6.2 New knowledge to be acquired

Describe what the theoretical foundation to the project is, and which new knowledge you will acquire (beyond that covered in any other undergraduate modules).

Not a full sentence (i.e. incorrect)

Note that this incorrect - this is not a full sentence