

For use by the project lecturer	Approved	Revision required
<b>Feedback</b>		

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

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

<b>1. Project description</b> What is your project about? What does your system have to do? What is the problem to be solved?
--

## **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.

### 3.2 Functional block diagram

figure resolution too low  
and text is too large.  
The functional block  
diagram is typical for this  
type of project.



#### 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?			
4. How will you <i>demonstrate at the examination</i> 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
<b>1. <u>Core mission requirements of the system or product.</u></b> Solution of the problem will be the most important requirement. Capture this in the set of requirements.			
<b>2. What is the <u>target specification</u></b> (in measurable terms) to be met in order to achieve this requirement?			
<b>3. Motivation:</b> how will meeting this specification solve the problem?			
<b>4. How will you <u>demonstrate at the examination</u></b> that this requirement has been met?			
<b>5. What is the deliverable?</b> What are the aspects that <b><u>you will design and implement yourself</u></b> to meet this requirement? If none, indicate clearly.			
<b>6. What are the aspects <u>to be taken off the shelf</u></b> 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.			
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.

(1) The student should write in full sentences.  
(2) Writing in the imperative voice is not allowed.

### 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).