

For use by the Project lecturer	Approved	Revision required	X
---------------------------------	----------	-------------------	---

Feedback

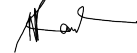


Revision required
(See Project Clickup site for submission deadline)

Language editing needs attention in especially sections 1 and 2 - use of commas in sentences here is incorrect
A nice project, correctly scoped, but project definition in sections 3 and 4 needs some work


Symbol awarded: C

Initials and surname

To be completed by the student						
PROJECT PROPOSAL 2022			Project no		Revision no	
Title	Surname	Initials	Student no	Study leader (title, initials, surname)		
Project title						

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

1. Project description
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.

what do you mean?

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*.

You need to go a level deeper to show your design intent clearly
You will need block that show steps in your speech processing algorithms

3.2 Functional block diagram

4. System requirements and specifications

These are the core requirements of the system or product (the mission-critical requirements) in table format IN ORDER OF IMPORTANCE. Requirement 1 is the most fundamental requirement.

	Requirement 1: the fundamental functional and performance requirement of your project	Requirement 2	Requirement 3
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.			<div> <div>this will only very vaguely emulate a particular voice - what exactly is required?</div> <hr/> <p>not clear. Should this be a "similar" voice, or an accurate rendering of voice of the speaker?</p> </div>
2. What is the target specification (in <i>measurable</i> terms) to be met in order to achieve this requirement?	✓	✓	
3. Motivation: <i>how or why</i> will meeting the specification given in point 2 above <i>solve the problem?</i> (<u>Motivate the specific target specification</u> selected)	why 30%?	why 90%?	<hr/> <hr/> <p>This is not a technical explanation</p>
4. How will you demonstrate at the examination that this requirement (point 1 above) and specification (point 2 above) has been met?	<div> <div></div> </div>	<hr/>	
5. Your own design contribution: what are the aspects that <i>you will design and implement yourself</i> to meet the requirement in point 2? If none, <i>remove this requirement.</i>	<div> <div>why simulated? This will be implemented and will run in real time, and this is how you should demo it</div> </div>		<div> <div>so: pitch patterns of original speaker will be tracked?</div> </div>
6. What are the aspects to be taken off the shelf to meet this requirement? If none, indicate "none"	what about your processing platform?		

System requirements and specifications page 2

	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.	so, this will be checked against a database, or what is the plan? Not clear		
2. What is the target specification (in <i>measurable</i> terms) to be met in order to achieve this requirement?			
3. Motivation: <i>how or why</i> will meeting the specification given in point 2 above <i>solve the problem</i> ? (Motivate the <i>specific</i> target specification selected)	why did you select 94%?		
4. How will you demonstrate at the examination that this requirement (point 1 above) and specification (point 2 above) has been met?			
5. Your own design contribution: what are the aspects that <i>you will design and implement yourself</i> to meet the requirement in point 2? If none, <i>remove this requirement</i> .			
6. What are the aspects to be taken off the shelf to meet this requirement? If none, indicate "none"			



System requirements and specifications page 3

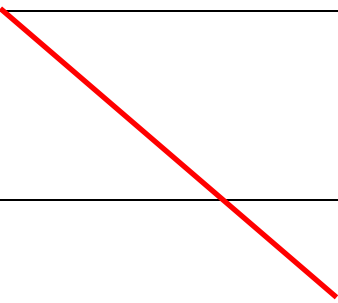
	Requirement 7	Requirement 8	Requirement 9
1. Core mission requirements of the system or product. Focus on requirements that are core to solving the engineering problem. These will reflect the solution to the problem.			
2. What is the target specification (in <i>measurable</i> terms) to be met in order to achieve this requirement?			
3. Motivation: <i>how or why</i> will meeting the specification given in point 2 above <i>solve the problem</i> ? (Motivate the <i>specific</i> target specification selected)			
4. How will you demonstrate at the examination that this requirement (point 1 above) and specification (point 2 above) has been met?			
5. Your own design contribution: what are the aspects that <i>you will design and implement yourself</i> to meet the requirement in point 2? If none, <i>remove this requirement</i> .			
6. What are the aspects to be taken off the shelf to meet this requirement? If none, indicate "none"			

System requirements and specifications page 4

	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 <i>measurable</i> terms) to be met in order to achieve this requirement?			
3. Motivation: <i>how or why</i> will meeting the specification given in point 2 above <i>solve the problem</i> ? (Motivate the <i>specific</i> target specification selected)			
4. How will you demonstrate at the examination that this requirement (point 1 above) and specification (point 2 above) has been met?			
5. Your own design contribution: what are the aspects that <i>you will design and implement yourself</i> to meet the requirement in point 2? If none, <i>remove this requirement</i> .			
6. What are the aspects to be taken off the shelf to meet this requirement? If none, indicate "none"			

5. Field conditions

These are the REAL WORLD CONDITIONS under which your project has to work and has to be demonstrated.

	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.		all of this already in section 4. Field conditions are simply "classroom 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.



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).

