Project Proposal

April 2017	Note:

Student to complete this section

Steyn	**L.**	**Mr.**	**04496486**
Design of a holonomic five legged robot			**Study leader: Dr D le Roux**

Class group: Afrikaans	**Project number:**	DLR5	Revision number:	0
Type of project: Design	Degree programme enrolled for: Electronic Engineering			
Student declaration: I understand what plagiarism is and that I have to complete my project on my own.	_____ Student signature	_____ Date		

Declaration by language editor (proofreader)

I have been allowed adequate time to read this document carefully and to make corrections where necessary (date received indicated below).
To the best of my knowledge, correct formatting, spelling and grammar are used throughout the document.

_____ A. Kock (language editor)	_____ Date

Declaration and recommendation by study leader

1. Have you (the study leader) been allowed adequate time to read and comment on the Project Proposal?	Yes	No
2. Is the Project Proposal a correct and complete description of what is required?	Yes	No
3. Is the Project Proposal clear and unambiguous?	Yes	No
4. Recommendation: Do you recommend that the Project Proposal be approved?	Yes	No

_____ Dr D le Roux (Study leader)	_____ Date

This section to be used by the Project lecturer

Content /20		Attended lectures:	Yes	No	
Subtract for editing errors / 10		Language editing adequate:	Yes	No	
Final mark /20		Approved? (If "No", a revision must be submitted):	Yes	No	Prof. J.J. Hanekom

1. Problem statement

Motivation.

Context.

Technical challenge.

Limitations.

2. Project requirements

ELO 3: Design part of the project

2.1 Mission requirements of the product

The requirements of the product that would determine whether the project is successful can be summarized in the list below

- item 1
- item 2

2.2 Student tasks: design

ELO 4: Investigative part of the project

2.3 Research questions

2.4 Student tasks: experimental work

3. Functional analysis

4. Specifications

4.1 Mission-critical system specifications

SPECIFICATION (IN MEASURABLE TERMS)	ORIGIN OR MOTIVATION OF THIS SPECIFICATION	HOW WILL YOU CONFIRM THAT YOUR SYSTEM COMPLIES WITH THIS SPECIFICATION?

Table 1. Mission-critical system specification

4.2 Field conditions

REQUIREMENT	SPECIFICATION (IN MEASURABLE TERMS)

Table 2. Field conditions

4.3 Functional unit specifications

SPECIFICATION	ORIGIN OR MOTIVATION

Table 3. Functional unit specifications

5. Deliverables

5.1 Technical deliverables

DELIVERABLE	DESIGNED AND IMPLEMENTED BY STUDENT	OFF-THE-SHELF

Table 4. Deliverables

5.2 Demonstration at the examination