## SOFTWARE REQUIREMENTS SPECIFICATION

## for

<Lunar Rover Mapping Robot>

Prepared by



## Contents

T	Intr	oduction	4			
	1.1	Purpose	4			
	1.2	Document Conventions	4			
	1.3	Intended Audience and Reading Suggestions	4			
	1.4	Project Scope	4			
2	Overall Description					
	2.1	Product Perspective	5			
	2.2	Product Functions	5			
	2.3	User Classes and Characteristics	5			
	2.4	Operating Environment	5			
	2.5	Design and Implementation Constraints	6			
	2.6	User Documentation	6			
	2.7	Assumptions and Dependencies	6			
3	Sno	cification Requirement	7			
3	Spe	cincation Requirement	•			
4	Exte	ernal Interface Requirements 1	19			
	4.1	·	19			
	4.2	Detailed User Interfaces	19			
	4.3		26			
	4.4	Communication Interfaces	26			
5	Other Non-Functional Requirements 2					
	5.1		27			
	5.2	1	- · 27			
	5.3		2g			
	5.4		30			
6	Use Cases 33					
U	6.1		32			
	0.1	Operator Use Cases	2ر			
7		•	35			
	7.1	Acronyms	35			

## **Revision History**

Student ID	Name	Date	Description
			Draft on Specification Requirement
			Draft on Non-functional Require-
			ment and Use case, and Add on
			point to Specification Requirement
			Review and make amendment
			Draft on User Interface
			Draft on Section 1 and 2
			Review and make amendment
			Add on for Specification Require-
			ment
			Add on for Specification Require-
			ment, Non-functional Requirement
			and User Interface
			Add on for Use Cases
			Review and make amendment
			First Draft Version
			Add on Specification Requirement,
			Non-functional Requirement and
			User Interface
			Final Version