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JOY - STICK CONTROLLER

FOR AN INVALID CHAIR

Project report submitted by : -

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ABSTRACT

This project report deals with the design and construction of a battery operated invalid chair, which offers the facility of variable speed. One type of mechanical joystick is also recommended.

1.1	Wheelchairs	
1.2	Invalid car	

CHAPTER 2 Design Criteria

2.1	Calculation of the size of the motor	
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2.2	Calculation of power devices	
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CHAPTER 3 Motor Selection

3.1	Types	
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3.2	Speed regulation	
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3.3	Motor classification	
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3.4	Permanent magnet motor characteristics	
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3.5	DC motor circuit representation	
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CHAPTER 4 Efficiency and losses of motors

4.1	DC Motor power output and efficiency	
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4.2	Armature iron losses	12
-----	----------------------	----

4.3	Winding copper losses	13
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4.4	Brush contact losses	13
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4.5	Friction losses	13
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4.6	Magnetic losses	13
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CONTENTS

		PAGE
CHAPTER 1	: Types of invalid vehicles	
	1.1 : Wheelchairs control	1
	1.2 : Invalid car motor control	1
	1.3 : ASSISTED WALKERS	
CHAPTER 2	: Design Criteria	
	2.1 : Calculation of the size of the motor	2
	2.2 : Calculation of power devices	6
	2.3 : Operation	
CHAPTER 3	: Motor concepts	
	3.1 : Torque	7
	3.2 : Speed regulation	7
	3.3 : Motor classification	8
	3.4 : Permanent magnet motor characteristics	9
	3.5 : DC Motor circuit representation	9
	3.6 : Representation of the control circuit	9
CHAPTER 4	: Efficiency and losses of motors	
	4.1 : DC Motor power output and efficiency	11
	4.2 : Armature iron losses	12
	4.3 : Winding copper losses	12
	4.4 : Brush contact losses	12
	4.5 : Friction losses	12
	4.6 : Windage losses	13

CONTENTS

The first chapter describes the general principles of motor control and the various types of motor drives available.

CHAPTER 5	: Choppers in motor control	
	5.1 : DC-DC motor control	14
	5.2 : Transistors in motor control	16
	5.3 : Transistor choppers	18

CHAPTER 6	: Power Circuit	
	6.1 : The Quadrant transistorised chopper drive	21
	6.2 : Operation	21

CHAPTER 7	: Control circuits	
	7.1 : Sawtooth generator	23
	7.2 : Voltage divider	25
	7.3 : 741 Comparator control circuit	26
	7.4 : Operation of the control cct	27

CHAPTER 8	: Recommendations	29
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APPENDIX 1	: Data Sheets	
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REFERENCES