

Thesis Title

Thesis submitted to the University of Nottingham for the degree of **Doctor of Philosophy**, **July 2020**.

Your ID

Supervised by

First Supervisor Second Supervisor Third Supervisor

Signature			
Date	/	/	

Abstract

Thesis abstract here.

Acknowledgements

Your acknowledgement here.

Contents

Abstra	ect	i
Ackno	wledgements	ii
List of	Tables	\mathbf{v}
List of	Figures	vi
Abbre	viations	vii
Chapte	er 1 Introduction	1
1.1	Section 1	1
1.2	Section 2	1
1.3	Section 3	1
Chapte	er 2 Literature Review	2
2.1	Section 1	4
2.2	Section 2	4
2.3	Section 3	4
Chapte	er 3 Methodology	5
3.1	Section 1	7
3.2	Section 2	7
3.3	Section 3	7
Chapte	er 4 Main Chapter	8
4.1	Figures	10
4.2	Tables	11
4.3	Lists	11
1.1	Equations	19

Chapter	r 5	Conclusions	13
5.1	Section	1	13
5.2	Section	2	13
5.3	Section	3	13
Bibliogr	raphy		14
Append	lices		15
Append	lix A	Research Ethics	16
Append	lix B	Experimental Procedure	17
Append	lix C	Questionnaires	18
C.1	User Ex	perience Questionnaire	19

List of Tables

4.1	Table caption.														1	1

List of Figures

4.1	Nottingham Logo	10
4.2	Nottingham Logo	10
4.3	Caption C	10
4.4	Caption D	10

Abbreviations

 $\mathbf{A}\mathbf{R}$ Augmented Reality.

 \mathbf{HVAR} Hybrid Virtual and Augmented Reality.

 ${f VR}$ Virtual Reality.

Chapter 1

Introduction

Introduction chapter, giving an overview of Virtual Reality (VR), Augmented Reality (AR) and Hybrid Virtual and Augmented Reality (HVAR).

- 1.1 Section 1
- 1.2 Section 2
- 1.3 Section 3

Chapter 2

Literature Review

Literature review chapter.

Contents

2.1	Section 1	4
2.2	Section 2	4
2.3	Section 3	4

2.1 Section 1

How to write a thesis (see Murray, 2011).

2.2 Section 2

2.3 Section 3

Chapter 3

Methodology

Methodology chapter.

Contents

3.1	Section 1	7
3.2	Section 2	7
3.3	Section 3	7

- 3.1 Section 1
- 3.2 Section 2
- 3.3 Section 3

Chapter 4

Main Chapter

Main chapter. This can be duplicated several times.

Contents

4.1	Figures
	4.1.1 Single figure
	4.1.2 Figures with sub captions 10
	4.1.3 Figures side by side
4.2	Tables
4.3	Lists
	4.3.1 Numbered list
	4.3.2 Itemised list
4.4	Equations

4.1 Figures

Example figure (see Figure 4.1).

4.1.1 Single figure



Figure 4.1: Nottingham Logo.

4.1.2 Figures with sub captions



Figure 4.2: Nottingham Logo.

4.1.3 Figures side by side



Figure 4.3: Caption C.



Figure 4.4: Caption D.

4.2 Tables

Example table (see Table 4.1).

Table 4.1: Table caption.

Col 1	Col 2	Col 3
A	1	5
В	2	6
\mathbf{C}	3	7
D	4	8

4.3 Lists

4.3.1 Numbered list

Enumeration

- 1. First item.
- 2. Second item.
- 3. Third item.

Research questions

- **RQ1.** First research question?
- **RQ2.** Second research question?
- **RQ3.** Third research question?

Hypothesis

H1. First hypothesis.

- **H2.** Second hypothesis.
- **H3.** Third hypothesis.

4.3.2 Itemised list

- First item.
- Second item.
- Third item.

4.4 Equations

$$CR = \frac{(\sum_{i=1}^{n} \lambda_i)^2}{(\sum_{i=1}^{n} \lambda_i)^2 + (\sum_{i=1}^{n} \delta_i)}$$
(4.1)

$$AVE = \frac{\sum_{i=1}^{n} \lambda_i^2}{n} \tag{4.2}$$

$$CA = \frac{n}{n-1} \left(1 - \frac{\sum_{i=1}^{n} V_i}{V_t}\right) \tag{4.3}$$

Chapter 5

Conclusions

Conclusion chapter.

- 5.1 Section 1
- 5.2 Section 2
- 5.3 Section 3

Bibliography

Murray, R. (2011). How to write a thesis. McGraw-Hill Education (UK).

Appendices

Appendix A

Research Ethics

Appendix B

Experimental Procedure

Appendix C

Questionnaires

C.1 User Experience Questionnaire

Please make your evaluation now.

than unattractive.

For the assessment of the product, please fill out the following questionnaire. The questionnaire consists of pairs of contrasting attributes that may apply to the product. The circles between the attributes represent gradations between the opposites. You can express your agreement with the attributes by ticking the circle that most closely reflects your impression.

Exampl	<u>e:</u>								
	attractive	0	8	0	0	0	0	0	unattractive
This re	sponse would	meai	n tha	at yo	ou ra	ite tl	he a	pplic	ation as more attractive

Please decide spontaneously. Don't think too long about your decision to

make sure that you convey your original impression.

Sometimes you may not be completely sure about your agreement with a particular attribute or you may find that the attribute does not apply completely to the particular product. Nevertheless, please tick a circle in every line.

It is your personal opinion that counts. Please remember: there is no wrong or right answer!

Please assess the product now by ticking one circle per line.

	1	2	3	4	5	6	7		
annoying	0	0	0	0	0	0	0	enjoyable	1
not understandable	0	0	0	0	0	0	0	understandable	2
creative	0	0	0	0	0	0	0	dull	3
easy to learn	0	0	0	0	0	0	0	difficult to learn	4
valuable	0	0	0	0	0	0	0	inferior	5
boring	0	0	0	0	0	0	0	exciting	6
not interesting	0	0	0	0	0	0	0	interesting	7
unpredictable	0	0	0	0	0	0	0	predictable	8
fast	0	0	0	0	0	0	0	slow	9
inventive	0	0	0	0	0	0	0	conventional	10
obstructive	0	0	0	0	0	0	0	supportive	11
good	0	0	0	0	0	0	0	bad	12
complicated	0	0	0	0	0	0	0	easy	13
unlikable	0	0	0	0	0	0	0	pleasing	14
usual	0	0	0	0	0	0	0	leading edge	15
unpleasant	0	0	0	0	0	0	0	pleasant	16
secure	0	0	0	0	0	0	0	not secure	17
motivating	0	0	0	0	0	0	0	demotivating	18
meets expectations	0	0	0	0	0	0	0	does not meet expectations	19
inefficient	0	0	0	0	0	0	0	efficient	20
clear	0	0	0	0	0	0	0	confusing	21
impractical	0	0	0	0	0	0	0	practical	22
organized	0	0	0	0	0	0	0	cluttered	23
attractive	0	0	0	0	0	0	0	unattractive	24
friendly	0	0	0	0	0	0	0	unfriendly	25
conservative	0	0	0	0	0	0	0	innovative	26