

Adjustabike 2.0 FYP – Draft Table of Contents

Table of Contents

Summary	2
Introduction	2
Background.....	2
Initial Project Brief.....	2
Aims and Objectives.....	2
Workplan.....	2
Planning and Research.....	2
Market Research (product alternatives and competitors).....	2
Component Study.....	2
Cost Study	2
Weight Study	2
Geometry Study	2
Regulations and Standards.....	2
Available Technologies.....	2
Conceptual Design.....	3
Product Specification	3
Preliminary Force Analysis, and Review of Published Experimental Data.....	3
Evaluation of Available Technologies.....	3
Morphological Chart	3
Initial Concepts.....	3
Generation	3
Evaluation	3
Final Concept.....	3
Embodiment Design	3
Component Selection.....	3
Frame Components.....	3
Other Components.....	3
Interface Design	3
CAD models	3
Design of Alternative Geometries	3
Scale Prototype?	3
Detail Design	4
Geometry Adjustment Tuning	4
Finite Element Analysis	4
Optimising Design	4
Strength	4
Weight	4
Cost	4
Final Design	4
Configurations.....	4
Cost Analysis.....	4
Full Scale Prototype?	4
Feedback from Target Audience.....	4
Wheels4All.....	4
Maker Community.....	4
Parents	4
Review of Specification	4
Conclusion.....	4
Review of Objectives.....	4