CONSTRAINTS DOCUMENT

Project:

Task:

**Document Version Number**: *(set up a numbering scheme so that you can track versions of the document)*

**Date:**

**Author:**

**Edit History:** (*record who changed the document, when and why)*

*This document is intended to list all the constraints on the design solution. These can involve the environmental constraints that might be specified in the original design description or by the client in meetings, e.g. the operating environment of the device. Note, again, that the information here is only given if it does not already exist in one of the other documents. The document might also point to time constraints for the project and due to the resources. There are also constraints due to the systems available and these come out of the Systems Document. Finally, the budget provides a major constraint on the solution.*

1. TABLE OF CONTENTS
2. ENVIRONMENTAL ISSUES

(*Some of these might already have been described in the Requirements document. In which case you need to put a pointer in to those sections here. There might be environmental constraints which are considered “obvious” or that you are meant to already be aware of and, in this case, the client would not expect to have to mention them – they are common knowledge. However, they should be listed here – even if they are obvious. EVERYTHING to do with the problem solution should be listed – do not leave some things unsaid because, of course, everyone knows them… At the very least, add a pointer to the relevant documents.*.)

1. HARDWARE CONSTRAINTS

(*Are there limitations in terms of the hardware you can use? E.g. what if you need something which isn’t part of the Lego kit? Can you do this?)*

1. SOFTWARE CONSTRAINTS

(*What does the code allow you to do? What can’t you do? Can you change tools?....*.)

5.0 AVAILABILITY OF RESOURCES

(*This has been listed in terms of a timetable in the Capabilities document but what will this mean to the management f the project? When can meetings be held? Is there an issue on a potential critical path task?)*

6.0 BUDGET

(*Probably the major constraint. Determine the budget and how it might be spent. What is the delivery date?)*

7.0 GLOSSARY OF TERMS

(*Again, define all the terms you are using so that all members of the Team and any outside readers understand what you are talking about*…)