Title of Project

Topic Number

Semester:

### Group Members:

|  |  |  |
| --- | --- | --- |
| First Name | Last Name | Email |
|  |  |  |
|  |  |  |
|  |  |  |

### Group Spokesperson:

|  |  |  |
| --- | --- | --- |
| First Name | Last Name | Email |
|  |  |  |

### Project Supervisor:

|  |  |  |
| --- | --- | --- |
| First Name | Last Name | Email |
|  |  |  |

### Version of the Document:

|  |  |  |  |
| --- | --- | --- | --- |
| .v# | Name of Author | Date | Changes performed |
| .v1 |  |  |  |
| .v2 |  |  |  |
| … |  |  |  |

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# 1. Introduction

## Vision

Text

## Goal of the project

Summary of what the device and software shall achieve in (medical) practice

## State of the art

* products available on the market
* technologies in use
* research reports, recent findings
* future trends, visions

## Analysis

* user requirements
* scenarios of use (probably not in the following order): narrative, basic scenario, variants, details

# 2. Materials and Methods

## Project structure, Workpackages

* detailed descriptions of tasks, to-do's, responsibilities (who does what by when)
* expected results, milestones

## Technical Documentation for software projects

* system and detail architecture (possibly the "UML"-like part)
* information models
* system architecture (devices, servers, etc involved)
* timing diagrams(?) (what happens in what order)
* transaction diagrams(what happens between "actors")
* ...
* descriptions of blocks
* description of test procedures for each block and for the complete system

## Technical Documentation for hardware projects

* Block circuit diagram
* Circuit diagram, description, specifications, description of tests for each block and for the complete system
* Layout, part list and part placement diagram
* References to all relevant component datasheets, datasheets shall be handed in as separate pdf files together with the report

## Risk management

* what types of risks are identified
* how shall they be handled

# 3. Results

* Results of tests as described in “materials and methods”
* Time and costs spent on the project

# 4. Discussion

* Summarises achieved results
* relates them to requirements / analysis
* highlights what has been successfully achieved: successes and failures
* possible future steps

# 5. References

* Clear and concise and consistent citation and referencing