# [Enter here the name of your team]

**"Albert** Einstein (1879 – 18 April 1955) was a German-born theoretical physicist who developed the theory of general relativity, effecting a revolution in physics. For this achievement, Einstein is often regarded as the father of modern physics. [2] He received the 1921 Nobel Prize in Physics "for his services to theoretical physics, and especially for his discovery of the law of the photoelectric effect".[3] The latter was pivotal in establishing quantum theory within physics.", text from [Einstein].

**Second** Team member and her/his responsibilities.

**...** Other team members.

## Abstract

Here some notes on how you have understood the aims of the project. Summary of what you have done. Writing the technical document in English is not easy task, however you can get help if you: Ask the tutor or read following web page: [TechnicalDocs]. It is recommended to read that hints first.

# Chapter 1

# [Title Of Your Task]

## 1.1 Introduction

You introduce the problem to the reader so that the "big-picture" is known to the one that will read this document till the end. In this part of the document you prove your skills providing the essence of the information that is readable and understandable for non-technical personnel too.

## 1.2 Problem description

You describe the problem from your point of view.

## 1.3 State Of The Art

Here you show what other people did to solve the problem. You also can judge here why did they fail or why your solution is better, faster or more "sexy".

## 1.4 Detailed solution description

Read the article on the web [TechnicalDocs]. This is your *major guideline* how to write. Use the notes from the Prof. Chase's lectures! This part is an essence of your work and keep following in your mind how you formulate your statements:

**Completeness** The text and descriptions are complete by meaning there are no open questions, alternatives, etc.

**Clearness** Formulations are clear and there is no place for interpretations or ambiguities.

**Correctness** All statements were well researched and statements are funded by:

1. References
2. Calculations
3. Proofs
4. Sketches
5. etc.

Keep your language simple.

## 1.5 Results

Put the results of your experiments, your drawings, algorithms, etc. here. The results must support the statements you have put in 1.4.

## 1.6 Conclusions and Further Work

Make clear conclusion about what you have done. No formulas, no engineering gibberish. Reader has to be able to get the big picture about the problem and solution reading Section 1.1, Section 1.5 and Section 1.6.

What further research is needed?

Which parts you discovered at the last minute, so you did not include it in your considerations?

What do you think it has to be done to make things work?

## 1.7 Mandatory Tools

On the end of the seminar, the book of solutions will be delivered to the Prof. Chase. To maximally optimize the process of book creation you *must* use following tools to write your report. *No* other document formats will be accepted. All the applications are open-source and free. They are available most operating systems. It is recommended to install these applications before your flight to the US. What you will do in US is *conceptual* work and this differs from all the tasks you have done till present.

The applications:

**LyX** The document processor: [LyX]

**Ipe** The sketches should be done with this tool [Ipe] or use

**Inkscape** SVG editor [Inkscape]. All vector graphics *are* to be in PDF format.

**Zotero** Is recherche tool that helps you to keep the track of the web pages and articles you have read to finalize your report [Zotero].

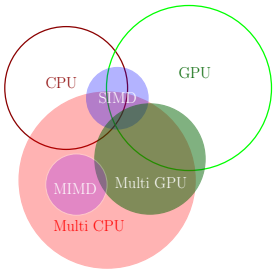
What you have to deliver is the exactly THIS LyX document zipped in to a file with all binary and vector images. The directory structure must retain the same as you have received it. You must change the name of the document to the name of your team, for example *GlobalSeminarTemplate.lyx* → *ExperiencedGreenHorns.lyx*.

The directory structure for your contribution is:

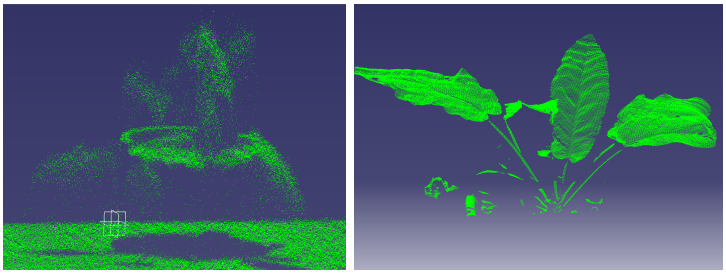
```
[YourGroupNameAsDirectory]
                    +---Images
                    \---Vector
                    YourGroupNameAsFileName.lyx
```

## 1.8 Presentation

For your presentation there is no template, no rules, no constrains. You are absolutely free to do whatever you think is necessary to "sell" your concept. This part of your work is pure marketing. Sell your skills with passion.




(a) Vector Images as PDF, Image Curtesy of [Seatovic].



(b) Binary Images, PNG only! Images Curtesy of [Seatovic].

Figure 1.1: Figure example.

| Requirement | Description | Priority |
|---|---|---|
| Neutrino Catcher | Catches neutrino particles successfully. | 5 |
| Material | No iron elements allowed. | 1 |

Table 1.1: Table example.

## 1.9 Examples Of The Document Content

Here are the few hints how the images and tables are to be integrated in your document. Be aware that images are to be in PNG format and vector graphics in PDF format. Link your sketches with images in your file like this Figure 1.1a on page 5, Figure 1.1b on page 5 in the Figure 1.1 on page 5.

Also Tables can be used quite easy, see the Table 1.1 on page 5. You can use foot notes too[1], however intensive use of the foot notes breaks the text flow.

[1] Footnotes are nice, but not always the best solution, try to reference as much as possible.

# Bibliography


[Inkscape] Inkscape. Draw Freely. [WWW Document], 2012. URL http://inkscape.org/ 4

[LyX] LyX | LyX – The Document Processor [WWW Document], 2012. URL http://www.lyx.org/ 4

[Ipe] The Ipe extensible drawing editor [WWW Document], 2012. URL http://ipe7.sourceforge.net/ 4

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[Einstein] Albert Einstein - Wikipedia, the free encyclopedia [WWW Document], 2012. . URL https://en.wikipedia.org/wiki/Albert_Einstein

1