**SWOT Analysis**

This is SWOT analysis for our glucometer project. The aim of this analysis is to understand all the factors that exist when carrying out a project. It is not only about pointing out all the strengths, weaknesses, opportunities and threats but also about predicting how to avoid problems and use our advantages.

* **S** (*Strengths*)

We share the same room in dormitory so we can easily work on some parts of projects together. During weekends we can use Skype and share informations without problems because we use GIT. That means when one of us is struggling with some kind of task the other can provide help.

We are really into this project. It is not a problem for us to to spent a lot of time to develop it.

We have experience with electric circuits designing and microcontrollers programing.

We are allowed to ask our project manager ( PhD Jakub Gałka) for help if we got stuck with some kind of task. What is more we can consult our doubts connected with KL46Z programing with MSc Sebastian Koryciak.

The whole project is devided into milestones. It is much easier to plan our work when we see what has to be done currently.

* **W** (*Weaknesses*)

We have never done such a I complicated project. There is risk that we will run out experience or knowledge necessary to accomplish it. That is why we have several basic goals and if the prototype will be working we will continue to develop the glucometer.

We are really tight on time. It means that we might not realize the PCB board and other additional features. We understand that first we have to focus on passing the subject rather than thinking about exceptional functionalities.

* **O** (*Opportunities*)

Glucometer project probably has never been developed on Department of Electronics. Since it is just a prototype this may be developed as a BSc Thesis.

We will learn a lot of new things about electronics and programing. We will also see what it means to be working in team and deal with deadlines. It might prepare us to future work because Engineers often work in teams on certain projects.

Constructing working glucometer is also worth pointing out in CV so it might help us to find interesting job or internship

* **T** (*Threats*)

The biggest threat is not completing the prototype. That means failing the Design Laboratory class and paying for it in the next year.

Another thread is not creating the MVP version for the January presentation. We understand that our glucometer should work all the time without reseting it all the time or compiling the program constantly.