

# Report about praxis

## Information about student:

Firstname: Jan

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## Subject studied:

Applied Informatics

## The term of praxis:

First day: 01.07.2010

Last day: 06.10.2010

## Workplace:

### Logi.cals

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3124 Oberwölbling

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## **Introduction**

There were a lot of significant reasons why I decided to have a praxis in Austria. I found this praxis very useful and I can say it had a really great contribution for me because it was a valuable experience to work abroad and furthermore I got opportunity to use and improve my English skills. Besides College of Politechnics Jihlava closely cooperates with The Austrian university named Fachhochschule Technikum Wien which is supported by grants from European Union so it was quite easy to mediate the praxis for me. The requirements for application and other formalities related to this praxis were not too complex so nothing hindered me to travel to Austria and start applying my knowledges in practise.

## **The firm Logicalsd great contribution**

The firm Logicals is interested in improving user friendly environment, which is use to programming of microprocesors and logical circuits. Its head quarters is located near the village called Oberwolbling. The majority of employeys works in that head quarters in a huge home improved villa. There is about fifteen developers, working on the software development. The rest of ten other people is employed in marketing and managment. This firm has attracted many and many customers all over Austria and even in Germany.

## **Developing environment LogiCAD**

This product of the firm Logicals is a graphics developing environment which makes programming of microprocessors easier. This environment is created in the language C#. Its output are assemblers files, ready to be loaded to microproceserss memories.

## **Working duties of my praxis**

The main duty of our work was to create a testing programs. These programs would be use for a functions of LogiCAD. We were developing these programs in a graphic enviroment of the same program. Every single unit test the correctness of the function for all values of different data types and specific tests for specific unit

In the first week, we got an instructions to create a program to operate traffic lights. To the creation of this program, we got a time limit of two weeks. It was just a trial program, which helped us to introduce ourselves with the developing environment and LogiCAD program tools. After debugging and following check of our works (jobs), every one of us got one component, on which we had to make unit testing.

This component's testing was an important practice for us, before the main task of our praxis.

The whole project was divided into three of us. First week was more theoretical and the task was to create a document about what we are going to test on the set components. We had to prioritise this activity because this activity developed the realization of testing functions. At first it was very difficult to crate structure of unit testing but during the time we got use to do this and this activity became the routine and there was not problem to thing up what we should test on certain units. The outgrowth of our work was elaborate document about unit testing that we used it as a documentation of our project. As soon as we finished all teoretical preparations, we finally started to realize programming of all function.

The whole project was split in three part and each of us was involved in testing of different groups of units. Each unit group was different either in difficulty of logical level of test or level of amount of the tests. Some components we had to test only four times, but their logical and programming realization took us a few days time. On the other hand, most of parts as AND, OR, XOR took us up to two hundred of testing to build them. It was not really joifull and interesting.

After a month of work on the project, we arranged our first meeting with our bosses. We presented done parts of our work at this meeting. In some cases, we even had to explain them how some functions work. They were really surprised. We were busy in a couple of following days as we had to repair some of the testings. After this meeting we already knew what mistakes we should avoid to. About a week before handing out of our few months work we finished our theorethical part.

Rest of time time we were busy by doing our documentation. We had a meeting the same they as we were supposed to hand out our documentation. In this meeting we presented the final version of our project.

### **Residence on the praxis**

Right after our arrival to Wien we were picked up by our selected student of Austrian univerzity. This student looked after us. This student looked after us during our whole praxis. In the next couple days we looked around wien. Finnaly time to move to our new accommodation in Sankt Polten had come. We were accomodated in a room in local college. Our first experience was quite shocking, as the room did not have an internet connection and there was no fridge. But these problems were sorted soon.

We get used to this room very soon and after a few days we created home atmosphere. We were really surprised by the city, which offerred many and many cultural and sports events. It was the quality of sports hall,cycling road, which made us to buy skates and make our stay in this city more comfortable.

A big surprise for us were free breakfast in our college. There was a huge selection of food and drinks. After this delicious breakfast we went to local train station and travelled to village called Schatzendorf.

This village was situated a few kilometres from our workplace, so it was neccesary to pick up us every morning by one of our colleagues. This was actually a good way how to get know more oru workmates. The workplaces was vybavene equipped very good. Apart from an office we could also use the kitchen to make some meals for us.

### **Shortcomings**

Praxes was actually organised pretty good. The company was highly organised and we could see that everything was greatly prepared. There was a local student coming over every month with a bus tickets and vouchers to Billa, so we did not have to care about anything.

One weakness was the working place that we did not like at all. By during the time we got used to it and in the end we kind of liked that. Other weakness was

a missing cooker, so we could not prepare any food for ourselves when we had finished work. But we sorted that out by getting our own cooker.

### **Final conclusion**

I find this experience very positive. My expectation was a little bit different, however I really liked that praxis ( especially outdoors activities in Sank Polten). The job we got, was same as we are supposed to do in our future lives, so at least we tried how things work in this business.