



In ORION, all members write their weekly reports separately. Here is the collection of those five reports of week 1.

## **Eren YILMAZ**

In the beginning of the week (Saturday), we gathered as a group and wrote our proposal for the project. During writing proposal, we naturally did some brainstorming. In the meeting, I was given the role of Research Manager. As my first task, I looked over the Internet and found some similar applications. I distributed the most related five applications to each team member, including myself. Since I had found KSimus, the application that I examined, in my computer by chance, I took KSimus as my task. I examined KSimus and wrote my report on Sunday. I did so because as a Research Manager, I am the one to keep those reports, and I should be able to do it easily. I set up a format for our literature survey reports and sent it to all team members. Until Thursday, I waited other team members to submit their literature survey reports to me. On Thursday, I compiled all the reports in a single document.

## **M. Ergin SEYFE**

After founding the group we prepared a team meeting and we established some ground rules, we named our team and shared our contact information. Next two days we wrote a proposal for our project. Then we chose some roles for all group members. My role in this team will be Team Leader, Meeting Manager and Gate Keeper. After writing the proposal we started a literature survey. Firstly, Eren YILMAZ and Emin ÖZCAN made a research and found some sample programs. I distributed these sample programs to group members and specify a deadline for writing a report about the program which is given to them. All group members examined the program and wrote a report about positive and negative parts of the program. I also examined the program Deeds Digital Circuit Simulator and wrote a report about it. Then I gave this report to Eren who will gather all reports and will compile all of them.

## **Mehtap Ayfer PARLAK**

### *First Meeting:*

Last Sunday first meeting of our project team was hold. At the meeting, we determined the roles of the project members firstly. After gathering information about our project topic which is digital circuit simulation tool, we determined the scope of our project and its requirements basically and stated them in our project proposal. As a last point; we determined some digital circuit simulation tools which are worth to investigate and shared these sample tools among us in order to search and analyze each program in detail which can help us to understand our topic generally. I decided to search microDev simulation tool.

### *Literature Survey:*

After the first meeting, I searched microDev simulation tool in detail and tried al of its properties. In fact I had decided to search Xilinx tool at first but then I thought that microDev is much easier to learn. Although microDev seems simple, I thought that it can be a good model for our project since it is open to develop since most of its actions are not implemented yet. Finally I wrote a report about the positive and negative aspects of the microDev tool.

## **Ilgin YARIMAĞAN**

This week I mainly focused on examining a program named 'Digital Works' which could be an example application for our digital circuit simulator project.

My studying process began with searching related candidate applications from the Internet and choosing Digital Works. Then I downloaded documentation about Digital Works and the application itself. I carefully examined the documentation and discovered that the program is used primarily on educational purposes which is a similarity between out project.

After I examined the program with some sample circuits and learnt how to use its main features I concluded that the Graphical User Interface of Digital Works is quite user friendly and efficient. Although there were some lacks in both functionality (like the lack of a test tool, and copy-paste support) I decided that Digital Works could be a good reference for us while designing and implementing our project.

**Emin ÖZCAN**

This week, first of all, I participated in a group meeting for preparing our project proposal. During the proposal, we decided on our project name and company logo first. Then we wrote down some information about our project. Also, in the meeting we decided on our roles. My role is Devil's Advocate. After the proposal, all members searched for a digital design program. I was responsible for Diglog. I made some researches about it from the internet. Then I wrote down the good sides and bad sides of Diglog, and submitted my report to the research manager, Eren.