GüçlüKadro

**CENG 491
SENIOR DESIGN PROJECT PROPOSAL**

GROUP MEMBERS

*RECEP ALABAŞ
YAŞAT KADİR BİLGİN
BERK ÇAKIR
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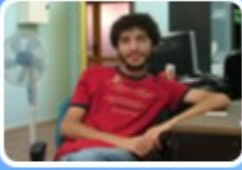
1. Team Information

1.1 Company Name

GüçlüKadro

1.2 Company Members

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1.3 Member Roles

Team Leader, Initiator and Contact Person, Recep Alabaş: He is responsible for the general coordination of the team**.** He will organize the meetings and he will assign responsibilities to the team members. Also he will be responsible for the communication between the team and teaching assistants.

Gatekeeper and Devil's Advocate, Yaşat Kadir Bilgin: He will provide the team to state their ideas and will ensure participation from everyone. Also he will try to find missing points and faulty points of the project.

Process Guide and Summarizer, Berk Çakır: He will monitor how the team is moving through their tasks. He will also help the team leader for the role of keeping the team focused on the purpose of the project. His second role is summarizing the ideas discussed during the meeting.

Time Keeper and Recorder, Özer Durmaz: He will monitor the time closely during the project process. With this role he will keep the team moving forward. He will also record the team's ideas and suggestions during a team meeting or discussion.

Beside these each team member can arrange meetings and can come up with new ideas.

2. Project Information

2.1 Project Description

With the increase of the usage of wireless networks in the world, the number of companies working in this area has increased. Therefore, these companies are forced them to find new technologies in order to compete with each other.

In this project we will develop AP-400 wireless modem of Airties Wireless Network Company. In our design we will add an LCD monitor to enable the user to have some information about wireless network traffic. Beside this, we will try to make the modem more user-friendly.

This modem has an MIPS Processor and all our work will be done in Linux environment. We will get needed information about network traffic from modem and with firmware we will make it possible for the user to monitor this information. For example the user will have the opportunity to learn the broadband speed, and how many users are using this modem. We will upgrade firmware in order to achieve this. We will use C, C++ languages fro this project.

2.2 Work Policy

In order to achieve our goals we need to have a work policy. We will have regular meetings. Because our project is a hardware project, firstly we will need to research our topic to get related information about modem. We will start with theoretical information and after getting the modem from Airties we will start practical work. We all believe that we will certainly need our teaching assistant's help.

3. Conclusion

Before starting to our project ,as a group we all know that it will be very challenging to us. First of all our project company AirTies is based on Istanbul , so we will be contact them via internet portal and some chat programs .Therefore , we must take some responsibilities which are much more than other groups . Also Airties supply us AP-400 modem to work on . We must be careful about don't giving it damage. Despite these difficulties we know that working on a such project will be very beneficial to our future career .