CENG 491 – PROJECT PROPOSAL

Team Name: ROYAL FLUSH

Supporting Company: AIRTIES

Team Members:

Hasan Tahsin KILIÇ (1448893) – The Leader, Initiator, Devil's Advocate, Documenter

Yetkin SAKAL (1395425) – Summarizer, Initiator, Vice Documenter

Hasari YAPICI (1395656) – Optimist, Recorder

Bahattin YALÇIN (1395649) – Gate Keeper, Time Keeper

Project Topic:

Wireless Network Traffic Monitor

Project Description:

Our project is about a wireless network traffic monitoring system. This system examines local area network usage on the AP-400 wireless access point and provides a display of upload and download statistics. Wireless Network Traffic Monitor provides real-time traffic accounting and monitoring. It is very dynamic, enabling every new wireless connection to be registered by the users' MAC address and monitored on the LCD display. On this display, number of computers connected with this access point will be shown. The usage of the access point in past 24 hours will also be displayed.

Possible Application Areas:

This system will be very useful in the industry. Users can get all substantial information from the access points. For instance, when someone needs to access the Web through this access point, s/he can see the flow on the device and make decisions using the parsed data. In the future, this product will be improved to specialize this download/upload flow so that an administrator can change the bandwidths of different applications on the access point for better performance.

Team Organization:

Having a Democratic Centralized (DC) team structure, our team possesses a leader in the team but all important decisions are made by common interest of all members. In case

there occur diverging opinions in the group, all of them are discussed by all members and in the leadership of the team leader, specific decisions are made.

The contact people, project manager, documentation person and initiator is Hasan Tahsin KILIÇ and he will be in contact with the instructor, teaching assistant and the company executives. He also makes documentation in the team but submitted material such as reports will be written by the help of all group members.

The summarizer, documentation person and initiator is Yetkin SAKAL. He is also responsible for the initialization of and updates to the project website. He will be one of the initiators of the project besides the project leader, Hasan Tahsin KILIÇ.

The recorder and documentation person is Hasari YAPICI. He will mainly take care of remarkable notes in the meetings and he is also responsible from gathering information about the specifications in the meetings with AirTies Company.

The gatekeeper and time keeper is Bahattin YALÇIN. He will be responsible for the schedule of team meetings as well as specializing in information hiding principle of the group. An early estimate for the timeline of the entire project whose specifications are summarized above would be no less than eight months, increasing up to ten months at maximum, perhaps with the additional requirements that would be of interest in upcoming phases of the project.

At the beginning of the initialization of the Royal Flush project group, all members have declared their assertions as to be compliant with the ethical terms related to the limited use of any product protected by copyright laws as well as a number of principles regulating the communication between group members. To be more precise, all group members are responsible for applying work ethics into the field they are given priority for and keeping in touch with the other people in the group as well as the other staff when necessary.

We are fully aware of the fact that a successful and effective project can only be achieved using efficient communication ways between the people in the group. Thus, we have agreed on the exact schedule of team meetings, three days a week face-to-face communication, and daily online interaction as well as the message board system to be implemented on the project website in the near future. This portal will also enable group members to share project related documents in order to increase the efficiency without loss of time.

The above is a broad description about the team organization but the outlined information may be tolerable for small changes in the future.