Application Software Development

On Voice Over IP System

CX1b-01

Health Informer

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Phone Control Computer Game

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In this final year project, we have made two applications, Health Informer and Phone Control Computer Game, which are based on the Voice over Internet Protocol (VoIP) technology.

Health Informer is an application which allows Hospital making phone calls to patients, informing them to take medicine. For developing this software, we based on CTACCESS development environment, Microsoft Speech SDK 5.1 to implement our window based GUI program.

Phone Control Computer Game is an application that allows user to play a computer game using phone button. CTACCESS development kits and socket programming are the major parts of implementation.

The above includes the usage of PC to Phone and Phone to PC parts of VoIP technology.

Health Informer - We chose Health Informer as one of our applications because it can get use of the VoIP technology well and changes it into a helpful tool. Also there are not many products built using VoIP yet, we still have the space to build a unique application.

Phone-controlled Computer game – the telephone is much more popular than a joystick. If game control is developed upon the use of phone instead of a joystick, then it probably has a profitable market. Also it is convenient for users who do not have enough joysticks to play a computer game.
Conclusion

Health Informer and Phone Control Computer Game are successfully implemented. For detailed performance of them, please refer to the Final Year Project Report CX16-01.