

## ABSTRACT

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The E-Appointment device is designed and developed to be provided in every school and company for only one purpose which is to save time and ease people. It only takes 3 simple steps to operate the device, input the sender's ID number, appoint the receiver; finally pick a date and time, then the machine will automatically send the request to the appointed person by e-mail.

A brief construction plan of the E-Appointment device consist of a microcontroller PIC16F877A as the main core in controlling the whole E-appointment device; buttons to input data of time and ID number; a 4X20 character LCD programmed to display the details of the microcontroller PIC16F877A. Furthermore, the PIC16F877A can operate as a storage unit for data and also a communication device by connecting the computer to a MAX232 on the organizer board. But for PIC16F877A to function as a data transmitter, it will need a RS232 serial port to connect to the computer. Therefore, a USB should be set with a RS232 converter device on a computer if there is no serial port connector on the computer.

After the computer has received the data from the microcontroller PIC16F877A, a Visual Basic program will base on the inputted data and automatically arrange the data to form a simple body of email and send to the target. This mail will contain the sender's name, ID number, data and time of the appointment, and e-mail address for the receiver to reply.