The standard bluetooth is an open norm that makes possible the wireless connection of short reach of voice and data between computers, laptops, personal digital agendas, mobiles, printers, scanners, digital cameras and even home devices, through a band available at global level (2.4 GHz) and worldwide compatible. That is to say, the technology bluetooth is the system of communications without threads of the future which eliminates the troublesome cable mess of communication between the different electronic devices.

With the idea to obtain a communication of this style, the final objective of this TFC has been to be able to control a module bluetooth by means of a microcontroller so that we could communicate a computer and a microcontroller using this type of technology.

The used materials to make this project have been 2 modules ROK 101 008 of Ericsson (bluetooth), a conventional computer and a microcontroller type pic18f452 of the Microchip enterprise.

Form of assembly:
One of the modules of bluetooth connects to the PC through the COM communications port (using standard RS232) and the other module connects the microcontroller (also by standard RS232) and from that way it is established contact between the PC and the microcontroller by bluetooth.
In order to make this assembly it has been necessary to learn the characteristics and how to program this family of Microchip microcontrollers as well as to learn to use the specification of the standard bluetooth and RS-232.