SmartDevCom, the smartness of the objects all around the world.

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The aim of this last year's project, is to realize an artificial intelligence which is able to communicate with us, in order to create a network of smart objects without any physical limit about the communication support, his position and finally his type. *Looking forward to that goal, in the first place, one must know what define a smart object. After having listed the features that can have any type of object, one must set a protocol to communicate with them. This protocol gives us the knowledge of every features of the objects around us, to get informations it has, to activate an object, and finally to add a new object dynamically in this network. In the first place, the building of this protocol is a classification of the whole objects we are able to create. Then, one must brings this protocol to the smart objects. These objects are made of a Mbed microchip, and one or several sensor(s) and/or actuator(s). The protocol must be carried on an Android application aswell. This application allows us to use Android voice recognition, in order to interact with the objects around us, in the most natural way*. This network alows us to talk with an object which is at a few meters of us, or at the other side of the earth. In the same way, it allows us to turn on home's light, or to observe evolution of our swimming pools's temperature. Nowadays the amount of new communication technologies has increased, making it difficult to interact with every object available on the market using the same source. Then the last goal of this project is to be independent of the communication technology. This project shows us that it is possible to communicate with any object in the world, in an easy, effective and dynamic way. (303 words)

Keywords: Artificial intelligence, smart object, protocol, classification, Mbed, Android, voice recognition.