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**PROJECT-TEAM-01**

**NAME TEAM:** AlphaTeam

**LIDER TEAM:** Altamirano Cristhian

**MEMBERS TEAM:**

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**TEAM TOPIC: “*Implementation of an Intelligent House”***

**PROJECT DESCRIPTION**

**PROBLEM:**

There are household chores that, although they seem simple, could be carried out in a more efficient way and in less time and this would make life easier for many people who work long hours and just want to get home to rest.

In addition, there is the need that old people and people with disabilities have, since it is more difficult for them to move around the home to perform simple tasks such as opening or closing a door.

**OVERVIEW:** Thanks to technology and evolution we can increase our living comfort in our houses and facilitate our daily tasks. As we are studying Object Oriented Programming, we think about the need to create a system that allows us to control certain specific objects in a house, through the use of the cell phone used as a control of said system. Being new students in this matter, we have thought that in this project only specific functions will be defined, so it will not be a system that allows the user to control all the functions that a smart home would.

Among the main functions that can be controlled are the following:

* Open and close the doors.
* Turn on and off the lights in each room.
* Turn on and off the television.
* Turn on and off the sound system.
* Activate and deactivate an alarm signal in emergencies.

**BACKGROUND**

Telecommunication equipment, through which information is transmitted, have evolved and formed an important part of our daily lives. For example, we went from the telegraph to WhatsApp and from black and white televisions to high-resolution televisions and cell phones.

Well-applied technology helps us, for example: to organize ourselves better, to learn new things, to keep a record of our activities, and in this particular case it will allow us to carry out household tasks in an agile way, to make life easier at home.