**Smart Home Automation System**

# Project Name and Shortname:

* Project name is Smart Home Automation System
* Project shortname is SHAS

# Subject and Contents:

Home automation is building automation for a home called a smart home or smart home. A home automation system will monitor and / or control home features such as lighting, climate, entertainment systems, and devices. It can also include home security such as access control and alarm systems. Home devices are an essential component of the Internet of Things when connected to the Internet.

In this project, I aim to use:

* Heat sensor
* Light sensor
* Sound sensor

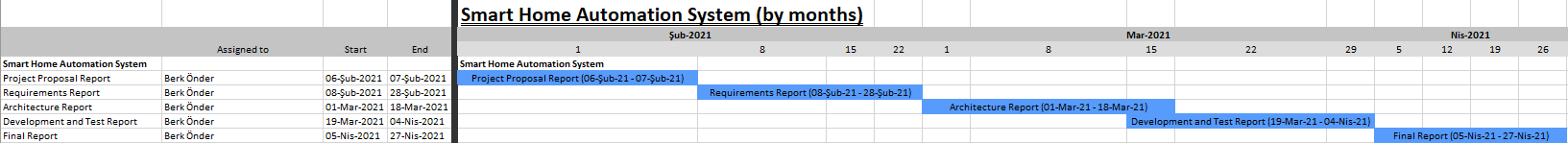
# Short Description:

Home automation systems allow us to change the functionality of things in the house as we want, using sensors or with the help of tablets, smartphones.

In the World, there are some similar home automation projects such as:

* ENCORE
* AUVESY
* TUYA

# Schedule:



# Methods to be used:

In the development phase of this project, I will try to develop a home automation system by purchasing arduino and various sensors. During the development process, I will send the following reports:

* Project Proposal Report
* Requirements Report
* Architecture Report
* Development and Test Report
* Final Report

I will use C ++ while coding for Arduino

# Estimated Budget:

In this project, I have to buy Arduino tool kit with some sensors. I will use C++ for coding Arduino. My estimated budget is like that:

* Arduino Uno R3 SMD CH340 Chip – Klon – 28 TL
* Arduino Sensor Set (37 pieces) – 116 TL

In total my total budget is around 150 TL