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:

	Assigned to	Start	End	Smart Home Automation System (by months)												
					Şub-2021					Mar-2021				Nis-2021		
					1	8	15	22	1	8	15	22	29	5	12	19	26
Smart Home Automation System				Smart Home Automation System												
Project Proposal Report	Berk Önder	06-Şub-2021	07-Şub-2021	Project Proposal Report (06-Şub-21 - 07-Şub-21)											
Requirements Report	Berk Önder	08-Şub-2021	28-Şub-2021			Requirements Report (08-Şub-21 - 28-Şub-21)									
Architecture Report	Berk Önder	01-Mar-2021	18-Mar-2021						Architecture Report (01-Mar-21 - 18-Mar-21)					
Development and Test Report	Berk Önder	19-Mar-2021	04-Nis-2021								Development and Test Report (19-Mar-21 - 04-Nis-21)			
Final Report	Berk Önder	05-Nis-2021	27-Nis-2021										Final Report (05-Nis-21 - 27-Nis-21)

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