With the development of technology, needs of people are changing and their living standards are rising, so they want to continue their lives in places where it is safe and comfortable. In the past, while using smart home automation systems has become a luxury, it can now be used in almost every home. Smart home automation systems offer people safe, comfortable and economical life. With the smart home system, everything in the house can be controlled while outside the house and these situations can be instantly informed.

In this study, prototype of smart home automation system was carried out. The control of the system has been provided by the user via Android application, smart touch control panel located in the home, and user web interface. The system can be remotely controlled via Android application and web interface. Android application consists of security mode, night mode, device control, lighting control, and garage door control. All situations that may occur are notified to the user via e-mail according to the information received from the sensors in the security mode. Moreover, this information is simultaneously recorded in the database. In night mode, the devices desired by the user can be activated or deactivated. Thus, energy-saving can be provided because standby devices don't work. With the lighting control, the lamps in the house can be controlled. In device control, electronic devices in the house can be controlled. With the garage door control, opening and closing of the garage door can be provided.