

## **Abstract**

With the advanced technology, the era of wisdom has come, the future of trend is the smart home appliances that represents another era, we use these technologies for enhance our basic form of life, hope to bring society convenience and safety. Everyone have the experience that we swept all the floor but spent too much time. Finally swept over, but tomorrow have to sweep again, this is not only waste effort, but also squandering time. We have to change we can, science and technology can help us, give us confidence and peace, Intelligent automatic cleaning robot has an Ultrasonic Sensor to avoid obstacle, a vacuum cleaner to sweep surrounding, and an Infrared Sensor to avoid falling because of the height drop. Intelligent automatic cleaning robot can do a good home cleaning, save enough time to improve the quality of life.