CS 203

PROJECT

BY

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**TITLE**

IMPLEMENTING SMART HOME USING RTL

**OVERALL OBJECTIVE**

To design an home automation system with the help of Verilog hardware descriptive language. Our project is capable of providing security, appropriate temperature, lighting, controlling doors, fire alert and detect presence of

humans .

**IMPLEMENTATION**

The implementation is with the help of RTL(Register Transfer Logic) .

**FUNCTIONALITY**

As we are moving ahead in the realm of technology and automation, we want to control our surrounding and reduce our physical labour . Due to ongoing pandemic, we spend much of our time in our home. But we have to do our work, including studies or job/work from home. So, there arises a need for an automated home system, which helps us in doing small chores so that one can save his/her time.

Hence, our project is on an automated home system. The project uses verilog HDL as programming language.