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**FINAL REPORT:
AUTOMATIC SLIDING DOOR AND CLAP SWITCH FOR
ELECTRICAL APPLIANCES**

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ABSTRACT

It is important to understand that there are many different types and severities of impairment which can lead to disabilities. Some types of impairment are visual impairment, hearing impairment, movement and others. Back in the day, disable people are usually becomes a burden to their family. Nowadays, many facilities and research were created to make their life easier. This project is to study about the physical impairment and help them by building automatic door. By building this project, they can easily access in and out without using any effort. In other hand, the source of electricity today is getting decrease annually. People excessively use the electrical energy without hesitation. While the cost of electricity bill getting higher each month. Many campaign that invite us to use energy efficiently and conserve energy. Still, we cannot apply this habit in our daily routine. This is why the second project which is clap switch has been made. By doing some research, people often forgot to switch off the light whenever they went out from a toilet or bedroom. Thus, it generates the waste of the electricity. So, the clap switch project can help to resolve the problem. By adding this two project, a smart house concept is born.

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