Ain Shams University
Faculty of Engineering
Department of Architecture

Developing Smarter Homes for Elderly and Disabled People

A thesis submitted for the Partial fulfillment of
Master degree (M.Sc.)
In Architecture

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Degree: Master of Science Degree in Architectural Engineering

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Title of Thesis:

Developing Smarter Homes for Elderly and Disabled People

Key Words:
Smart Homes; Intelligent design; Elderly and Disabled Homes; Smart Guidelines.

Summary:

The Aim of this research is to propose guideline for the smart homes and highlight the needs of different types of disability or elderly requirements inside homes and what solution or application suit the case of the required person.

The research also focuses on how architects should design homes that can suite elderly or disabled as all people will face elderly and some might have body disabilities in the recent future by following the international and locals building codes, by providing good design spaces, and by the help of smart technology and systems.

Integration between design solutions and smart applications and systems was made to show what kind of design solution or smart applications suit each type of disability and elderly people.

Statement

This thesis is submitted as a partial fulfillment of Master of Science degree in engineering, faculty of engineering, Ain Shams University.

The author carried out the work included in this thesis and no part of it has been submitted for a degree or qualifications at any other scientific entry.

Date:……
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