

# DESIGN AND BUILD A WHEELCHAIR THAT MAY 'CLIMBED' THE STAIRS

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## ABSTRACT

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In this century, many people try to reduce their work, so there is a lot of thing to help them reduce their works; this is the purpose that we created this machine.

My project title is Design and Build a Wheelchair That May 'Climbed' the Stairs. Our project is a motorized wheelchair that helps people to climb the stairs. This wheelchair is very useful for those disabled persons and those old people. They no need to worry when they meet the stairs; the wheelchair is able to bring them climb up and down the stairs without other people helping. They climbed the stairs easily. This wheelchair not only to climbed the stairs, which also can move on rough surfaces easily.

This motorized wheelchair is controlled by AC motor and a speed reducer, which is suitable for outdoor and indoor using.