

## Abstract

While the society is under progress, many social vulnerable groups require our help and support, and the visual disabilities are one of its ring. The case of this study's theme is the customized obstacle sensors designed for the visually disabled. Nowadays, many designs of public facilities in our life still have some slightly inconveniences, the numbers of the facilities have obvious shortcomings, making them with too many inconveniences during movement, and are often led into accidents because of these reasons.