

# The Smart E-Speaking Stick

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Smart e-speaking stick is a stick-speaking especially to help blind people to alert them to the most prominent and the most important things that blind lacks feeling for keeping them safe. Be alert blind audio through headphones permission for the most important obstacles in front of it is concerned with the obstacles: Collision Alert the things around them Alert for holes: the sense of the earth drilling for example. Caution about the existence of a body of water: such as small and large ponds and other Alert people sighted the existence of blind people in the night time, causing problems and falling ... Alert blind to Discriminate time between the morning and night ... These alerts and sensing been programmed to stick phonetically be speaking in sentences voice heard by all the blind obstacle is in front of him, and as she got to tell if removing the obstacle was avoided .... sensors used in the stick has been programmed with a special program ( Arduino) that links sensors and outputs and is a light intensity led and an audio recording in Arabic and many different languages.