AI Based Pilot System for Visually Impaired People

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Abstract: *Significantly analysing visual defectiveness people represents more of the population around the world roughly speaking more than 10 million. Their incorporation in the public is an essential point. In order to give Audible environment for the blind people this project mainly concentrates on the field of Assistive devices for Visually Impairment Persons. To make their daily life comfortable like to travel from one place to other place many supporting systems is developed and being developed. The basic idea for our proposed method is to design Auto-Assistance system for visually impaired person. Model is skilled in a way that if input is given it starts generating the Sentences about the Image. Experiments show that it is often generating exact descriptions for image. New dataset has been collected in real time which consists of 300 images as of now with different categories like Vehicles, Animals and indoor objects. We have applied our algorithm to several images gathered in real time that is our own data set and found that the conversion is completely successful. The system is light weight and socially useful.*

Keywords: Auto-Assistance system

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