Real-Time Communication System Powered By AI For Specially Abled

Domain name : Artificial Intelligence

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INTRODUCTION:

In our society, we have people with disabilities. The technology is developing day by day but no significant developments are undertaken for the betterment of these people. The people's who are **visually challenged** their dependence are also increased day by day because technology grows their dependance also grows. We have a solution in Artifical intelliegence . The project aims to develop a smart glass that helps to minimize the dependence from others. They will helps to live their own life without anyone interference. The Application results enhance.Understanding of the problems facing blind people daily, and may help encourage more projects .

Targeted to help blind people to live independent in their daily lives.

LITERATURE SURVEY:

Sight is considered the most important sense and the blind people are observed upon with pity by others. Technology helps the blind people to communicate with the environment, the communication process and the dissemination of information has become very fast and on a wider scale to include all parts of the world which greatly affected to the human life, thus increasing the ways of entertainment and comfort and reduced suffering and hardship in many things. Blind people are part of this world, so the technology must leave a significant impact on their lives to make what was impossible for

them as possible and available to them today. The assistance provided earlier for blind people were as a particular hardware devices such as talking OCR Products, identifying color, barcode readers; that hardware were expensive and limited capabilities due to rapid change in hardware. The challenges faced by impaired/blind people in their daily lives are not well understood

In our modern technology we can do any thing by using AI. I will explain my project in simple way now a days cars are using ***Lane-keeping*** technology , I will modify that lane-keeping technology are going to ***platform-keeping and zebra crossing*** detection technology. This will helps to keeps in platform and monitoring the you are in going in platform.

Keywords: VISUALLY IMPAIRED, BLIND PEOPLE, real time system, Arduino, Android, and voice recognition.

Reference:

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- Project: Sound of Vision: Natural sense of vision through acoustics and haptics (Horizon 2020 project)

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