Abstract

Li-Fi is a light fidelity. This is a technique used for transmission of data at very high speed.
through light, which transfers data by varying its intensity. This variation in light provides us binary 1 and binary 0 of data which transmit information wirelessly through Visible Light Communication (VLC). Using this technology we have proposed to implement a voice controlled robot. The commands for movement of robot are given by human which gets processed through MFCC voice recognition algorithm, this data is then transmitted through Li-Fi to the robot. Li-Fi is ideal or high density wireless data coverage inside confined area. Li-Fi technology is based on LEDs for the transfer of data. The transfer of the data can be with the help of all kinds of light, no matter the part of the spectrum that they belong. With this technology the speed of the internet is incredibly high and we can download movies, games, music etc in just a few minutes. This can be treated as a next version of Wi-Fi.

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Index Terms

- Computer Science
- Networks

Keywords
