

LITERATURE SURVEY

Date	19 September 2022
Team ID	PNT2022TMID06678
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks 4 Marks	Maximum Marks 4 Marks

LITREATURE SURVEY- 1

TITLE:

A survey on advanced technology for communication between deaf/dumb people using eye blink sensor & flex sensor.

AUTHOR:

MERLIN MARY KOSHY, S.KARTHIKEYAN.

YEAR:

2018

DESCRIPTION:

The problem that our society faces nowadays is that people with disability are finding hard to grapple with the fast growing technology. The access to communication technologies has become essential for the handicapped people. Normally deaf/dumb people use hand gestures for exchanging information and they find hard to deal with people who can't grasp the idea of sign language. And therefore they can't communicate with normal people.

ADVANTAGES:

Some of the most technologically advanced companies engage with users using digital assistants, which eliminates the need for human personnel. Many websites utilize digital assistants to deliver user-requested content.

DISADVANTAGES:

The ability to create a machine that can simulate human intelligence is no small feat.

It requires plenty of time and resources and can cost a huge deal of money.

LITREATURE SURVEY- 2

TITLE:

Accessibility to electronic communication for people with cognitive disabilities

AUTHOR:

JOHAN BORG, ANN LANTZ, JAN GULLIKSEN

YEAR:

2014

DESCRIPTION:

The purpose of this study was to identify and synthesize measures for accessibility to electronic communication for people with cognitive disabilities by seeking answers to the following research questions: What measures to make electronic communication accessible to people with cognitive disabilities are evaluated and reported in the scientific literature? What documented effects do these measures have? Empirical studies describing and assessing cognitive accessibility measures were identified by searches of 13 databases.

ADVANTAGES:

One of the biggest advantages of Artificial Intelligence is that it can significantly reduce errors and increase accuracy and precision

DISADVANTAGES:

Humans cannot develop artificial intelligence because it is a technology based on pre-loaded facts and experience. AI is proficient at repeatedly carrying out the same task, but if we want any adjustments or improvements, we must manually alter the codes.

LITREATURE SURVEY- 3

TITLE:

Communication skills in the disabled

AUTHOR:

LIUBOV BEN-NOUN

YEAR:

2015

DESCRIPTION:

Communication is an important human characteristic. In order to maintain relationships effectively humans must communicate with each other. In everyday life, there are a variety of communications including with work colleagues, family, neighbours, and friends, some efficient and some inefficient.

ADVANTAGES:

Human beings are driven by emotions, whether we like it or not. AI on the other hand, is devoid of emotions and highly practical and rational in its approach.

DISADVANTAGES:

Ethics and morality are important human features that can be difficult to incorporate into an AI. The rapid progress of AI has raised a number of concerns that one day, AI will grow uncontrollably, and eventually wipe out humanity

LITREATURE SURVEY- 4

TITLE:

Perceptions of communication between people with communication disability and general practice staff

AUTHOR:

JOAN MURPHY

YEAR:

2016

DESCRIPTION:

To explore consultation between people with communication disability and General Practice (GP) staff from the perspectives of both patients and staff. Communication disability causes a particular problem in primary care. This issue has not yet been investigated from the perspective of both patients and GP staff.

ADVANTAGES:

In practically every field, AI is the driving force behind numerous innovations that will aid humans in resolving the majority of challenging issues.

DISADVANTAGES:

A big disadvantage of AI is that it cannot learn to think outside the box. AI is capable of learning over time with prefer data and past experiences, but cannot be creative in its approach.

LITREATURE SURVEY- 5

TITLE:

A survey about deaf and dumb assisting system

YEAR:

2020

DESCRIPTION:

In this paper we tend to represent sensible forearm band for deaf and dumb patient. concerning 9 billion individuals within the world are deaf and dumb. The communication between a deaf traditional visual individuals. This creates a awfully very little area for them with communication being a basic side of human life.

ADVANTAGES:

The primary advantage is that the device can be carried out easily because of its low weight.

DISADVANTAGES:

The technology is developing day by day but no significant development are undertaken for the betterment of these people