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S.No	PAPER NAME	JOURNAL NAME	DESCRIPTION
1.	Sign Language Recognition System for People with Disability using Machine Learning and Image Processing	International Journal of Advanced Trends in Computer Science and Engineering	Communication plays a significant role in making the world a better place. Communication creates bonding and relations among the people, whether persona, social, or political views. Most people communicate efficiently without any issues, but many cannot due to disability. They cannot hear or speak, which makes Earth a problematic place to live for them. Even simple basic tasks become difficult for them. Disability is an emotive human condition. It limits the individual to a certain level of performance. Being deaf and dumb pushes the subject to oblivion, highly introverted. In a world of inequality, this society needs empowerment. Harnessing technology to improve their welfare is necessary. In a tech era, no one should be limited due to his or her inability. The application of technology should create a platform or a world of equality despite the natural state of humans. On the other hand, technology is the most innovative thing on Earth for every time the clock ticks, researchers, software engineers, programmers, and information technology specialists are always coming up with bright ideas to provide convenience to everyone.
2.	Create a Smart City for Blind and Visually Impaired People	Inclusive City Maker	A smart city for blind and visually impaired people makes their lives easier. Especially regarding their mobility. Indeed, they need to rely on efficient public transportation, to know at

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			what time they can get the bus, to have obstacle-free routes, to easily actuate accessible pedestrian signals… Basically, this means they need to be more connected to the operational services of their city. And that's exactly what a smart city does. But to better meet their needs, a smart city has to be accessible and inclusive. Even our urban furniture can be smart. A solar smart bench enables users to charge their phones and access free WiFi. And of course, they can still sit to rest for a while. A blind person can wait at a bus stop and use WiFi to know exactly at what time the bus arrives. A simple solution to access real-time information.
3.	Artificial intelligence is like artificial god for specially abled	timesofindia.indiatimes.com	Facial recognition may have technology is quickly becoming a part of everyday life. It's used to improve public security, the accuracy of photo tagging and even make grocery shopping easier. But those who can't speak or move? Facial recognition has the potential to offer independence and inclusion for these individuals. This means that people with disabilities can get a job or go out without needing a caregiver or companion to help them find their way around and do things independently. From entertainment to security, many aspects of daily life have been improved through this advancement in technology. These technologies reached their peak when smartphones became

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			more available to the public market. Today, facial recognition software is being used for blind children to read books aloud and as an accessible way for deaf people to communicate with others via video chat. Assistive technologies provide us with the tools to make this possible. That is why speech to text transcription for disabled people is so important in today's society
4.	An AI software to communicate with deaf and mute in real time	bnmit.org/an-ai-software-to-communicate/	An Artificial Intelligence (AI) powered software application for the welfare of the deaf and mute people. The software, christened DnD Mate, does not only translate sign language into text and speech, but also translates speech into sign language, all in real time and as quick as the person speaks. Currently, there are no applications/software that facilitates a two-way communication channel. This easy-to-use innovative digital translator works with your device's in-built cameras, reads hand and facial gestures by the deaf and mute user and translates them into text and speech. That is not all! The software will also translate your voice or text input into sign language. 'The software is based on a Deep Learning model and can work both offline and online. While in the offline mode, the deaf and mute person can communicate with you on the same device in real time; just like you talk to anyone over a video call.

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5	Real-Time Communication System Powered By Ai For Specially Abled	careereducation.smartinternz.com	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. Communications between deaf-mute and a normal person has always been a challenging task. It is very difficult for mute people to convey their message to normal people. Since normal people are not trained on hand sign language. In emergency times conveying their message is very difficult. The human hand has remained a popular choice to convey information in situations where other forms like speech cannot be used. Voice Conversion System with Hand Gesture Recognition and translation will be very useful to have a proper conversation between a normal person and an impaired person in any language.

Project

Real-Time Communication System Powered by AI for Specially Abled

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