Abstract

Cerebral Palsy is a group of permanent movement disorders that usually appear in the early childhood. There may be problems with sensation, vision, hearing, swallowing, and speaking. These cause difficulties in performing the day-to-day activities. The current solutions for this is includes a wide range of medications, therapies and surgical methods. Our team has designed a system that could make their daily activities much easier. We are making the solution by retrieving the data from the patient's brain and analysing it through our ANN [Artificial Neural Network] to support their daily activities. We also pour down the current data sets of the real world for the efficient usage of our system. We made a system which takes in the main n serval centre in to the system and contributing 2^n commands We understand the solution number is too low so we made ANN for the user which make selective commands in accordance with user needsWe also pour down the convolutional data set… to make the efficiency of the system high connecting with real world.

We uses Emotion detection for easy correction and adaptation of the system with user. We plan on developing an exoskeleton which would enable the patience to do their daily activities on their own ,without help of another person.We also are planning to do social media app to the system we have partially implemented in our dashboard.We want IoT to empower the user in all ways possible to lead his daily activity as smoothly as possible

Link for Python colab code: https://colab.research.google.com/drive/10l5NbrThl6DVYA6FuDgmmkv3oLblmlfX