

A Study of AI based Autism Spectrum Disorder Detection and Monitoring System for young children.

Abstract:

ASD (Autism Spectrum Disorder) present a neurological and developmental disorder that has an impact on the social and cognitive skills of young children causing difficulty in social interaction. Early diagnosis of Autism spectrum Disorder (ASD) can prevent from its severity and prolonged effects. This work aims at detection of ASD by measuring their brain waves and facial expression by using Machine Learning (ML) technique. By monitoring, an alarm message will be forwarding to the parents if there is any abnormalities seen in their children behavior inside the classroom or therapy centers. The work will ensure a proper care and support for an autistic child which will help them to reach their full potential.