**Abbreviations:**

* World Health Organization (WHO)
* American Sign Language (ASL)
* British Sign Language (BSL)
* Human computer interaction (HCI)
* Area of Interest (AOI).
* Hue, Saturation, Value (HSV)
* Red Blue and Green (RBG)
* Region of Interest (ROI)
* Support Vector Machines (SVM)
* K-Nearest Neighbours (KNN)
* Hidden Markov Model (HMM)
* Dynamic Time Warping (DTW)
* dynamic Bayesian network (DBN)
* Artificial Neural networks (ANN)