

Vision based recognitions tools

- Recognition of dynamic hand gestures using a dynamic space-time warping
- A multi-scale feature analysis method for recognition of hand gestures
- Locates hand movement in a 3D space using a range camera
- A Hand Recognition method using active learning
- Eye sensing based gesture recogniton

Sensor Based Recognition tools

- A novel wireless sensor package that is inbuilt with an gyroscope
- Body Accelerometer sensors to detect basic hand gestures
- Use of inertial body-worn sensors for the detection of gestures
- EMG based interface for hand gesture recognition
- Dynamic Time Wraping based hand gesture recognition
- A mobile based signals based gesture recognition
- headsets with micro controllers to detect gestures
- using the Kinect sensor
- infrared gestures Sensing

Body Action Recognition

- Head and face gestures recognition
- Body Gesture recognition