Building the shell

Contents

1. Main hub

First you will need a big hull, for this project I used a equipment box

Secondary I advice to measure the box yourself and use these measurements to continue

3rd I cut out a sheet of wood as follows

This will be used as a base for the future box

Next cut out two of the parts as shown on the next picture

These are the bases for our lcd screen
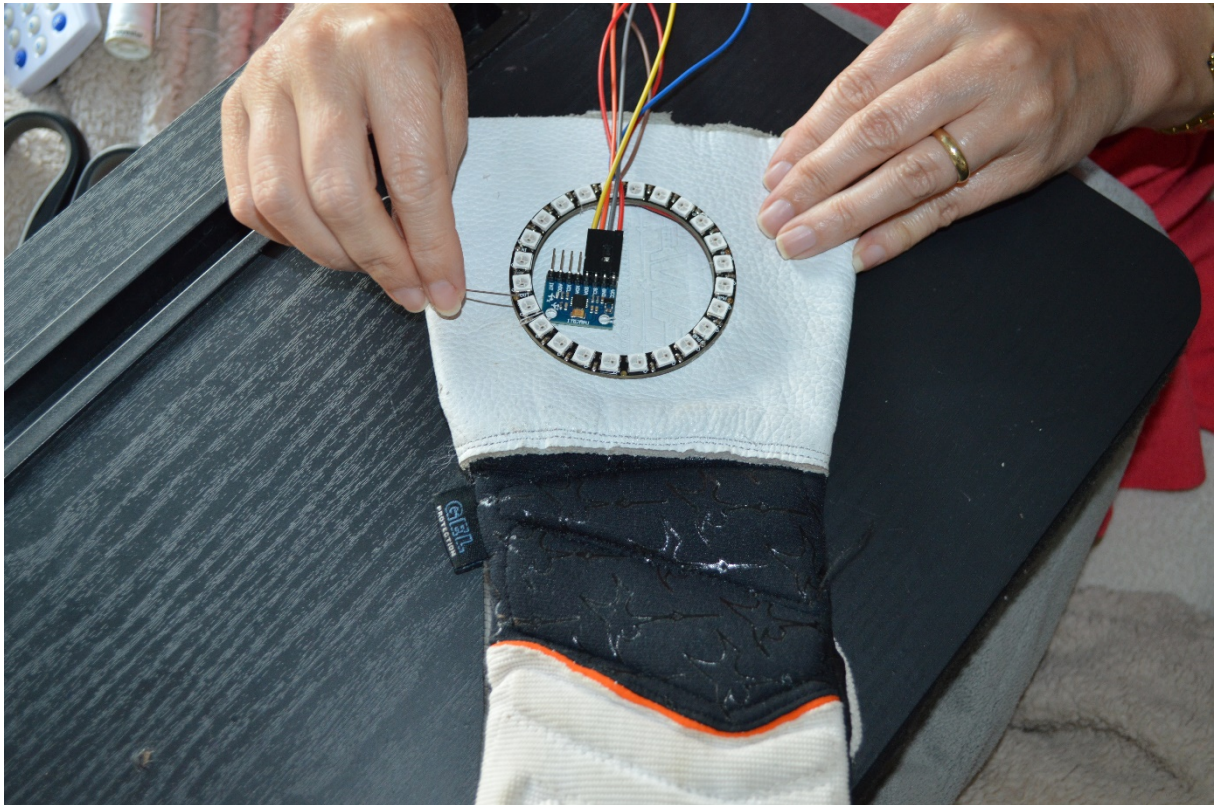
Glue the parts together as follow

And that is the main box shell done

Add the components as shown within the picture

Optional add a cover for the components

2. The suit

First prepare the glove as seen here with the acceleration sensor within the Neopixelring

Secondary attach the BME680 sensor within the mask as shown

The pulse sensor will be placed upon the non fencing hand

Next find a box where the esp32 + breadboard fit in and make a hole in it for the cables

(optional put the cables in a tube for protection)

Now you have all components ready