

**Computer Vision Project Group - 7**

**Week-3: Progress Report**

**Project Title:**

**American Sign Language Alphabet Detection**

**Submitted to faculty: Prof. Mehul Raval**

**Group Members:**

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**Tasks performed this week:**

1. This week we worked upon developing some code for detecting a hand in a real time scenario.
2. We searched and built a code which detected our hand and along with that it also detected the coordinates and the side of the hand.
3. We also displayed one more image of variable size which is a cropped image of the input image i.e. it detected the hand and displayed the cropped image in another window.
4. After this we made another image of fixed size which displayed the cropped hand in fixed dimension after performing certain scaling options.
5. For this purpose we used libraries like OpenCV, tensorflow etc.
6. For using mathematical functions we import numpy and math.
7. We have also used a mediapipe.

**Detecting Hands:**

