

**Computer Vision Project Group - 7**

**Week-5: Progress Report**

**Project Title:**

**American Sign Language Alphabet Detection**

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

**Group Members:**

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In this week we worked upon our coding part. We reviewed certain papers and at present we are trying to upload and train our dataset. In our coding part we are using libraries such as tensorflow, numpy, os, cv2 and matplotlib.pylot. After training our dataset our future work will be that it should detect the signed language in real time.

Till now we have implemented the code for training our dataset which is as follows

def get\_dataset(subset):

return tf.keras.utils.image\_dataset\_from\_directory(

"../input/sign-language-for-alphabets/Sign Language for Alphabets",

labels='inferred',

label\_mode='int',

class\_names=None,

color\_mode='rgb',

batch\_size=32,

image\_size=(64, 64),

shuffle=True,

seed=1,

validation\_split=0.2,

subset=subset

)

We are still working on training of our dataset