

**Computer Vision Project Group - 7**

**Week-1: Progress Report**

**Project title:**

**American Sign Language Alphabet Detection**

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

**Group Members:**

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Task performed in this week:

* In the previous week, our group tried to understand the topic and searched for the dataset.
* The dataset we have found are as follows:

<https://www.kaggle.com/datasets/grassknoted/asl-alphabet>

* In the first week we tried to understand the algorithm which is CNN (convolutional neural networks). We also tried to understand the related concepts.
* Collecting the dataset was the main contribution of our in the first week.
* Then we also found some research papers:
* <https://www.researchgate.net/publication/354066737_Sign_Language_Recognition>
* <https://ieeexplore.ieee.org/document/8441304>
* <https://www.irjet.net/archives/V9/i4/IRJET-V9I4167.pdf>
* <http://cs231n.stanford.edu/reports/2016/pdfs/214_Report.pdf>