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**CSE 541: Computer vision**

**WEEKLY REPORT 5**

**[Group: 7]**

**SECTION – 1**

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Weekly report:

While delving into research on Oriented Object Detection, we explored various papers, including those utilizing methods like the Area Ratio of Parallelogram. However, the code implementations for these methods had numerous dependencies that we couldn't fulfill, hindering our ability to utilize them effectively. Consequently, we decided to stick with our previous reference that utilizes BBA vectors for detection, which we attempted to replicate.

Unfortunately, we encountered difficulties due to the sheer size of our dataset, which amounted to around 3GB. Running the code on our system became impractical as it took an excessively long time to even complete a single epoch. This challenge highlighted the resource-intensive nature of processing large datasets in Oriented Object Detection tasks, prompting us to reevaluate our approach and potentially consider optimizations or alternative strategies to handle such large volumes of data efficiently.