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**CSE 541: Computer vision**

**WEEKLY REPORT 3**

**[Group: 7]**

**SECTION – 1**

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| **Details** | | |
| **Enrolment No.** | **Name** | **Programme** |
| AU2120225 | Preksha Morbia | BS CS |
| AU2140081 | Divya Patel | B.Tech (CSE) |
| AU2140082 | Hrishikesh Rana | B.Tech (CSE) |
| AU2140099 | Aditya Chaudhari | B.Tech (CSE) |

Weekly report:

We started working on a model based on R2CNN architecture. This model is designed explicitly for OOD (object orientation detection). It involves a rotation network and a proposal network for rounding boxes. We referred to a few research papers to come to the conclusion mentioned above. Most papers used DOTA 1 and DOTA 1.5 as their dataset and got fairly accurate results. However, we want to work on DOTA v2 as our base dataset and simultaneously increase the performance result in the models produced with reference to the research papers.