

Department of Artificial Intelligence and Machine Learning

Group No: 14

IPD Project A Weekly Report (2023-24)

Week No: 11 Date:\_

Title of Project: OMAD Time: -

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| **Sr.No** | **Sap id** | **Name of the Students** | **Signature** |
| 1 | 60017210016 | Abhay Mathur |  |
| 2 | 60017210019 | Mahir Madhani |  |
| 3 | 600172100 | Darsh Thakkar |  |
| 4 | 600172100 | Omar Shaikh |  |

To be filled by Students only

Activities Completed this week:

**Brain Tumour YOlOv8 with 'celebal-p3kbm' dataset.**

We trained our YOLOv8 segmentation model on the 'celebal-p3kbm' brain tumor dataset from Roboflow, achieving a 93.5% accuracy on a Google Colab T4 GPU. Additionally, we provided in-depth statistical analysis, including F1 score, confusion matrix, precision, and recall, to comprehensively evaluate the model's performance.

Project Status: \_\_\_\_\_\_\_\_\_\_

Major Issues: The accuracy we achieved is not as much as we require. Another difficulty we faced was the lack of efficient computational power. We ran out of Google Colab GPU credits very often while training our model on different datasets.

**Next Week Plan:** To look for a better dataset to train out YOLOv8 model on to increase accuracy.

**Project Guide Remark:** Excellent ⧠ Good ⧠ Satisfactory ⧠ Not Satisfactory ⧠

Comment by Guide:

Project Guide Name & Signature: