

Department of Artificial Intelligence and Machine Learning

Group No: 14

IPD Project A Weekly Report (2023-24)

Week No: 7 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:

**Acquiring knowledge and implementing vision transfer a demo dataset:**

To use transfer learning for our 2D image dataset, we began by collecting and preparing labelled images. Next, we chose a pre-trained deep learning model, such as ResNet, and adapted it to our specific task, like image classification or object detection. After we trained the model on our dataset, we assessed its performance, made necessary refinements, and employed it to predict new 2D images, optionally incorporating post-processing steps tailored to our application

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

Major Issues: We weren’t able to achieve a very good accuracy. We would have to make a few changes in the environment to achieve that

**Next Week Plan:** Trying to make changes in the environment to make the vision transfer model more accurate. Learn and execute fast SAM and record the result from the model.

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

Comment by Guide:

Project Guide Name & Signature: