Peer Feedback Assessment

1. Vijay's Suggestion:

• Recommendation: Vijay recommended that I place greater emphasis on the explanation of the metrics employed for model evaluation, i.e., Precision, Recall, and F1-Score. This is particularly applicable in aircraft classification, as the consequences of false positives and false negatives can be severe.

• Incorporating feedback plan: A whole section will be reserved for a detailed examination of model evaluation metrics. In particular, I will describe why Precision, Recall, and F1-Score are significant in the scope of my project, and I will compare my model based on these metrics in addition to accuracy. Visualized graphs or tabular results would probably be provided to allow comparison of these metrics between models.

2. Harshita's Suggestion:

• Recommendation: Harshita recommended that I explain thoroughly the preprocessing techniques applied to my dataset and elucidate the significance of these techniques in boosting model performance.

• Incorporating feedback plan: I will expand on the dataset preprocessing section of my final report. Specifically, I will describe the data augmentation, normalization, and resizing processes that I will carry out. I will also try to discuss these processes in the context of their implications for training the model, namely addressing diverse image conditions in the aircraft dataset.

3. Abhinav's Suggestion:

• Recommendation: Abhinav stated that enhancing my explanation of the tools and libraries utilized in the project would benefit from making technical aspects more relatable to individuals who are also nontechnical.

• Incorporating feedback plan: I will redesign the technical details to enhance readability and comprehensibility for a general audience. I will give a concise summary of the libraries and frameworks employed (e.g., TensorFlow, Keras, OpenCV), outlining their roles in the project while minimizing specialized terminology to make the report accessible.

4. Jaikrishna's Suggestion:

• Recommendation: Jaikrishna recommended that I look into the possibility of fine-tuning pre-trained models beyond the baseline method to enhance classification accuracy.

• Incorporating feedback plan: I will try to fine-tune deeper layers of a pre-trained model. I will also try to modify hyperparameters like learning rate and optimizer choice to determine if they enhance classification performance. I will add a discussion of the results and any improvement seen.

Overall, I intend to include the recommendations provided by Vijay, Abhinav, Harshita, and Jaikrishna in my final report. Their recommendations will probably make my model evaluation more comprehensive, clear my research approach, and make the report as a whole easier to read. I feel that these changes will make my project stronger and enable better understanding of the work that has been carried out.