**7PAM2002 Semester B 2024**

**Data Science Project Module**

**Final Project Report Feedback Sheet**

**Student Name and ID:** Sai Krishna Vavilli, 23022047

**Project Title:** Enhancing Image Classification with Vision Transformers (ViT)

**Marker Name** (Supervisor): Martin Bourne

**Date: 12/05/2025**

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| **Feedback Comments** |
| 1. Strengths of the report   You’ve tackled a technically challenging topic with a high level of competence, demonstrating excellent implementation and presentation throughout. The report includes a clear ethical statement, well-illustrated dataset, and thoughtful use of visual tools like t-SNE. Your conclusions are sound, optimization is addressed (e.g., through layer selection), and your GitHub README is particularly strong.   1. Areas for improvement   The literature review could be expanded and deepened by engaging with a broader range of relevant sources. While optimization is discussed, more explicit demonstration of how different choices impacted performance would strengthen the technical analysis. Be sure to check that all references are correctly formatted according to academic standards.   1. Additional comments   This was a challenging topic, well executed and well described with novel techniques (nice use of checkpointing). |

**Marking Criteria Final Project Report**

* Clear project specifications:  suitable research question, abstract summarising the whole project, introduction, clear objectives, ethical considerations, evidence that the objectives were met, difficulty of project.
* Quality of literature review: an overview of the choices of literature, in-depth review and critical analysis of individual relevant published papers, linking literature to project.
* Evidence of good practical work: suitable data and pre-processing, appropriate choice and justification of methods (based on literature and type of data), good implementation of methods and code, novelty of methods and code, evidence of training and testing improvements and optimisation such as parameter and hyperparameter trials.
* Evaluation of results and justified conclusions: quality of results, suitable metrics used, in depth analysis of results and why particular methods performed well or not, relating the results to the literature and the research question, discussion on possible applications, future work identified.
* Presentation of report: use of the correct front page and declaration page, quality of technical writing (including language and grammar), structure of the report and professional layout, appropriate referencing and citations (including correct format), figures and tables correctly labelled and credited, within the word count.
* Versions of the code on GitHub showing the development of the code including the final code.