Organization of the final paper

1. Title:

•A concise and descriptive title that clearly indicates the focus of the research.

Eg: Fine-grained image classification using ConvNext

OR, Benchmarking fine-grained image classification using convolutional neural networks

OR, Parameter-efficient finetuning of GPT with Low rank adaptation

2. Abstract:

•A brief summary of the research, including the problem being addressed, the methodology used, the main findings, and the conclusions. This section should be succinct and informative, typically around 150-250 words.

•It should contain: What is the problem statement? Why is it relevant? How do you solve this problem? What are the main findings?

•Are there any interesting observations? In other words, why should we care?

3. Introduction and Background:

•This section introduces the topic, outlines the research question or problem, and provides background information. It sets the stage for the reader by explaining the significance of the research and situating it within the larger context of existing work.

•It should contain details about the problem statement, why is it important, and what works have been done previously on this.

4. Materials and Methods:

•This section describes the research design, data sources, techniques, and tools used to gather and process data.

•In the context of our work, this might include description of the algorithms employed and the dataset(s) used.

•Two subsections: Dataset and Methodology (or name the algorithm)

•Add images and graphs from exploratory data analysis (Wk 2) in Dataset subsection

•Don't add code snippets or screenshots here.

5. **Experiments and Results:**

•Here, the experimental design and findings from the research are presented in a clear and logical manner, often supported by tables, graphs, and statistical analyses.

•For our research context, this should also include model performance metrics and comparisons with baseline models.

•Two subsections (from last two classes):

1. Experimental setup and Implementation Details (eg: hyperparameters)
2. Performance analysis (report model performance in tabular format or graphs in terms of multiple metrics)

6. **Discussion and Conclusion:**

•This section interprets the results, discussing their implications in the context of the research question and existing literature. It also addresses the limitations of the study and potential biases in the methods or data.

•Finally, it summarizes the main findings and their implications, restates the significance of the research, and suggests areas for future research.

7. **References:**

•Lists all the bibliographic references used to prepare the paper. It's crucial for acknowledging sources and providing readers with resources for further reading.

8. Supplementary or Appendix

•Optional section that might include additional data, code, or supplementary materials that are relevant but not central to the main text.

•Add your code here.