Workshop Challenge Report Template

Participant Information

- Name(s):
- Affiliation(s):
- Contact Information:
- Track: (Indicate Track I - Adapt & Detect / Track II - VLM Anomaly Track)

Abstract

(Provide a brief overview of your approach, key findings, and any significant results. Aim for a concise summary, approximately 200-250 words.)

Introduction

- **Background:** (Briefly describe the problem context and its relevance to the field. Explain the importance of the challenge and its applicability to real-world scenarios.)
- **Challenge Description:** (Summarize the challenge as outlined in the track you participated in, including the objectives and any specific requirements.)

Methodology

Model Design

- **Approach:** (Describe the approach you chose for developing your model, including the rationale behind selecting this approach for the challenge.)
- **Architecture:** (Provide details on the model architecture, including any modifications made to adapt it to the challenge requirements.)
- **Training:** (Explain how you trained your model, including details on the one-class training paradigm for Track I or the use of few-shot learning and VLMs for Track II, as well as any pre-processing steps, augmentation techniques, etc.)

Dataset & Evaluation

- **Dataset Utilization:** (Describe how you utilized the dataset provided for the challenge, including any pre-processing or data augmentation techniques employed.)
- **Evaluation Criteria:** (Discuss how your model's performance was evaluated, referencing the specific criteria set forth for the challenge.)

Results

- **Performance Metrics:** (Present the results of your model's performance on the original dataset, including any metrics used to evaluate its effectiveness in anomaly detection.)
- **Comparison:** (If applicable, compare your results with baseline models or previous approaches to highlight the advancements your work represents.)

Discussion

- **Challenges & Solutions:** (Discuss any challenges encountered during the challenge and how you addressed them.)
- **Model Robustness & Adaptability:** (Specifically for Track I participants, elaborate on the robustness and adaptability of your model to real-world variations. For Track II

participants, discuss the model's capability in detecting structural and logical anomalies.)

- **Future Work:** (Suggest potential improvements or future directions for further research based on your findings.)

Conclusion

(Summarize the key findings of your work, the significance of your model's performance, and its implications for anomaly detection in real-world applications or for advancing the capabilities of few-shot learning and VLMs in anomaly detection.)

References

(List any references cited in your report.)