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MSc Artificial Intelligence
Module: **UAI_PCOM7E January 2025 A**
Unit 10: **Formative Submission – Design Outline**

Design Outline

I. Executive Summary

A short summary of the contents of the report.

II. Current Business Landscape

A description of the company's competitive positioning within its industry.

III. Problem to Be Solved

A concise description of what the company wishes to achieve.

IV. Solution Methodology

An overview of the methodology to be used to investigate and implement an AI-based solution.

A. The Solution to Be Implemented

A high-level summary of the AI-driven software to be built.

B. Datasets to Be Used

The datasets to be used to train an AI solution and the reasons for their selection over alternative datasets.

C. Justification of the Prediction Model(s)

A discussion of the reasons for investigating the use of a target set of predictive models (to be determined).

D. Rationale for Algorithms Used

A discussion of why the algorithm ultimately chosen was selected over alternative options.

V. Analysis of the Testing Outputs

A discussion of the results of testing.

VI. Application of Testing Results to the Problem to Be Solved

A discussion of how the testing results may be applied to the problem to be solved in a manner that provides a concrete return on investment to the company.

VII.   Conclusion

A short reiteration of the contents of the report, along with a clear recommendation for specific action by company executives.

Appendices – Testing Screenshots

A collection of relevant screenshots.

References

A standard bibliography of references cited.