[Title of the Project]

A Hybrid Machine Learning and Knowledge-Based Reasoning Project

Collaborative Final Project
CSST101 – Machine Learning
CSST102 – Knowledge Representation and Reasoning

Submitted by:
Group Name: _____

Group Members:
- _____
- _____
- _____
- _____

Instructor: Mr. Mark P. Bernardino

Date Submitted: _____

PROJECT OVERVIEW

_____

OBJECTIVES

General Objective:

_____

Specific Objectives:
- _____
- _____
- _____

SYSTEM ARCHITECTURE

User Input → Machine Learning Model → KRR Rules → Final Risk Level → Recommendations

MACHINE LEARNING COMPONENT (CSST101)

Algorithm Used: _____
Dataset Size: _____
Model Accuracy: _____

MACHINE LEARNING PIPELINE

Data Collection:

_____

Data Preprocessing:

_____

Model Training:

_____

Model Evaluation:

_____

Model Deployment:

_____

DATASET DESCRIPTION

Dataset Type: _____
Number of Records: _____
Target Variable: _____

KNOWLEDGE REPRESENTATION & REASONING (CSST102)

Rule 1: IF _____ THEN _____

Rule 2: IF _____ THEN _____

Rule 3: IF _____ THEN _____

Rule 4: IF _____ THEN _____

Rule 5: IF _____ THEN _____

HYBRID DECISION LOGIC

_____

SYSTEM FEATURES

☐ Wellness risk prediction
☐ Rule-based recommendations
☐ Web interface / API
☐ Google Colab deployment

TESTING AND EVALUATION

Test Case | Input Summary | Expected Output

CONCLUSION

_____

GROUP CONTRIBUTION

Member Name | Contribution

REFERENCES

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