Republic of the Philippines

Laguna State Polytechnic University

Province of Laguna

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|  | **Weekly Progress Report** |  |  |
| **Topic:** | **Chatbot – Final Project** | **Week No.** | **14** |
| **Course Code:** | **CSST101, CSST102** | **Term:** | 1st Semester |
| **Course Title:** | **Advance Representation and Reasoning**  **Basic Machine Learning** | **Academic Year:** | 2024-2025 |

**Main Tasks Assigned**:

Optimize model based on Week 3 results

Improve data augmentation and preprocessing techniques

Continue model training and monitor validation performance

**Work Completed**:

Enhanced the fitness\_advice() function to query the dataset for recommendations based on the user’s body type and goal.

Conducted basic testing to ensure accurate results for each body type-goal combination.

**Challenges Encountered**:

Dataset queries failed for body types and goals with no matching recommendations, resulting in empty outputs.

**Solutions Implemented**:

Enhanced fitness\_advice() with fallback logic to return a default message when no advice matches the input.

**Tasks for Next Week**:

Build the fitness\_advice() function to fetch and display recommendations based on user data.  
Test dataset queries for accuracy and completeness.

**Instructor's Feedback**:

**Instructor’s Signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_