



Republic of the Philippines
Laguna State Polytechnic University
Province of Laguna



Weekly Progress Report			
Topic:	Chatbot – Final Project	Week No.	12
Course Code:	CSST101, CSST102	Term:	1st Semester
Course Title:	Advance Representation and Reasoning Basic Machine Learning	Academic Year:	2024-2025

Main Tasks Assigned:

- Build the initial model architecture
- Implement feature extraction
- Begin initial model training using the preprocessed data

Work Completed:

We successfully designed the basic model architecture and implemented feature extraction to analyze product ingredients and their compatibility with different skin types. Initial training of the model began, using the cleaned dataset as input to ensure accuracy and relevance.

Challenges Encountered:

We faced some issues with missing data during training and had to address how to balance the model's complexity while keeping its outputs simple and understandable for users.

Solutions Implemented:

To resolve these challenges, we used data imputation techniques to handle missing entries and simplified the model structure to focus on the most impactful features first. This ensured a smoother training process and better initial results.

Tasks for Next Week:

Fine-tune model hyperparameters (e.g., learning rate, batch size)
Conduct initial testing on the validation dataset
Record training results and identify potential issues

Instructor's Feedback:



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Instructor's Signature:

Date: