



| Weekly Progress Report |  |                |              |
|------------------------|--|----------------|--------------|
| Topic:                 | Chatbot – Final Project  | Week No.       | 12           |
| Course Code:           | CSST101, CSST102   | Term:          | 1st Semester |
| Course Title:          | Advance Representation and Reasoning<br>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:** The researcher suggested trying LSTM algorithms to train the model, and the developer attempted the LSTM method and trained the model accordingly.

---

**Challenges Encountered:** The researcher is still deciding between the LSTM method and the Transformer, while the developer is facing issues with tokenizing the data.

---

**Solutions Implemented:** The developer uses the NLTK Punkt tokenizer.

---

**Tasks for Next Week:** The researchers will continue working on implementing the Transformer method, while the developer will try to train the model using Transformer.

---

**Instructor's Feedback:**

---

**Instructor's Signature:** \_\_\_\_\_

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