



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 first focused on pre-processing our data and then began initial model training using BERT within the Transformer Algorithm. We aimed to enhance the model's understanding and accuracy from the start. Feature extraction was implemented using BERT model from Transformers.

#### Challenges Encountered:

The challenge that we encountered was dealing with the time and space complexity. Included difficulty in training the datasets due to long processing.

#### Solutions Implemented:

To address the challenges of long training times, we implemented a solution to create a save state of the trained model, so if the training were interrupted, we wouldn't have to start over from the beginning.

#### Tasks for Next Week:

For our task next week, we will focus on the model training, building on the pre-processed data and initial set up.

#### Instructor's Feedback:

2 epoch, needs to add to cal dataset for fine tuning