Note: If you resubmit the assignment, submit the file/link via comment (Problem Statement, Project Proposal). On the presentation day, show the basic website and progress for AI integration into the website (research, progress).

Task for week 4: Introduction to AI algorithms: deep learning, natural language processing (NLP), decision tree, etc. Analyze data and run an example AI code. Build a schedule for each task. Create a slide to describe a specific algorithm.

31/01/2024 - Next week: Research the functional and non-functional requirements of the product. For example: Automatically update comments. One-time evaluation. (Note: from parts 4 and 5 in the Project Plan Template.)

Come up with some use cases for the software. Process of building an ML/deep learning model.

21/04/2024: Finalize the functional and non-functional requirements of the product. Non-functional: Interface, UI (beyond functionality), latency. Use case diagram. General use case. Detailed use case. Define the project scope clearly. Review the ML model building process (especially the framework for deployment). Some tasks to research: Data crawling. Data preprocessing. Model deployment. Result visualization. Website. 28/02/2024: -API + Web using scrapy.

10 products (about 1000 reviews). Message back to customers on Zalo (using image or PDF). Redo the Gantt chart.

08/03/2024: Completed: Website (login - Firebase - Done, visualization - in progress). Backend (Scrape data - Tiki - 300/1000, Sentiment analysis => Phobert => % positive, negative, neutral). Next steps: Data visualization (website). API to connect Phobert. Scrape data (300/1000) (review data). Build a pipeline from data crawling, preprocessing, input into the model, and visualize results (automate the system).

13/03/2024:

Automatically collect, preprocess data, inference => result. Add product management features (edit, delete). Manage users (the system has many different user objects). Complete the statistics feature: by product, over a period of time. 19/3/2024: System 1: Collect feedback data >> output negative/neutral/positive points >> database. Excel: Make an Excel file explaining the database (all 20 items >> average = pie chart index >> input for system 2). System 2: Use the average score >> dashboard (pie chart). Do scraping, write explanation 10/10/80.