Assignment 6 – AI WORKFLOW FOR E-COMMERCE RECOMMENDER
Submit file PDF: assign6.v1_lớp.nhóm_tênho.pdf
   For example: assign6.v1_02clc.03_quetd.pdf
             assign6.v1_02cq.03_quetd.pdf

- Submit before **MONDAY**   (06/10) 11:30PM for CHINH QUY
- Submit before **WEDNESDAY (08/10) 11:30PM for CLC classes**

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This assignment demands students to state PROBLEMS/TASKS and steps you need solve like Chap 5
6.1: 2d
6.2: 8d

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6.1 [7 pages] Workflow for building an AI product

- Refer to Chap 6
- Present corresponding examples by code with each phase for e-commerce system

6.2 [10 pages] *Using the knowledge you obtain from 6.1.* Copy code, discussing structures when you perform improvement and show figures **using your words**
The more discussion you present, the more you understand. And then you get higher score. NOT COPY 😊   ***Tham khảo bạn= COPY. SV có quyền sử dung chatGPT***

   a. **Problem/Task Statement:** What you need to obtain, your goal!
   b. Generate a dataset for 1000 users and 500 items (such as phone, laptop, clothes,…..) with rating (1,2,3,4,5 stars) and each user give 50 reviews (**Vienamese**) of items and store in form with your name. Example **itemReview_tdque.csv, itemReview_nmHung.csv**
   c. Using stop word (Vietnamese) to remove no meaning words and using BERT and word2vector to represent vector/tensor for text
   d. Using normalization for rating to represent vector for user rating
   e. Using collaborative filtering for predicting item preference, trends
   f. Using CNN, RNN, LSTM to analyze review dataset to determine trends, preference item….
   g. Using loss and accuracy to define whether your models are overfitting or not. Using techniques in Chapter 5 to improve. You MUST present applying this technique such as dropout the code like this (explain) and results with figures….
   h. Evaluate and compare model to select the best one. **NOTE that MORE Discission…discussion..**
   i. Deploy on web and mobile phone. Present your goal