

DATA WAREHOUSE AND DECISION SUPPORT SYSTEMS

ASSIGNMENT SPECIFICATION

NOTES

- Your team is given one topic.*
- Your team list can be found on LMS.*
- This assignment is worth **50%** of the overall grade.*
 - Course work: 15%*
 - Assignment work: 35%*
- Appropriate software can be used to support your work.*
- Plagiarism must be avoided. Otherwise, zero mark is given.*

I. Overview

The assignment aims at building a decision support system based on the provided dataset in a specific field of study. Moreover, data as well as system must be well designed and managed to meet the needs of the decision making.

II. DATASET

Dataset	Link
Company X (MS SQL Server)	Dataset can be found by clicking here .

Based on the same data set, each team will be assigned a particular topic with specific goals for a decision support system. The topic can be found in the team registration list.

III. SUBMISSION DEADLINE

- 1. Course work submission to LMS:** on schedule in the team registration list
- 2. Assignment submission to LMS:** on schedule in the team registration list

IV. HOW TO SUBMIT

The team leader submits the work on LMS with only **one single zip file**. The file name will be **<GroupNo>_<TeamNo>_<SubmitterFullName>_<SubmitterStudentNo>.zip** (e.g., CC01_Team1_NguyenVanA_50505887.zip). The zip file may contain resources as follows:

- Team member list with explicit tasks and contribution percentage

- A final report
- System resources (i.e., source codes)
- Other supporting files (if any)

Note:

- *Do not forget to press "Submit" button on LMS.*
- *In case the file size is large, it is possible to upload your resources in a cloud-based storage (e.g., Google drive) and then embed the download link in your submission.*

V. EVALUATION

1. Course work: Problem statement and research

- a. Topic investigation (2 marks)
- b. Problem statement (2 marks)
- c. Dataset analysis (2 marks)
- d. Related work survey (2 marks)
- e. A 15-min video and presentation (2 marks)

2. Assignment work: System prototype

- a. How to solve the goal challenges (2 marks)
- b. Data warehouse design and management (2 marks)
- c. DSS design (2 marks)
- d. DSS implementation (2 marks)
- e. Final result presentation (1 mark)
- f. Report (1 mark)
- g. Bonus (up to 2 marks) for any additional models or methods supporting analysis or decision making

HAPPY IMPLEMENTATION!
