

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

- Topic investigation (2 marks)
- Problem statement (2 marks)
- Dataset analysis (2 marks)
- Related work survey (2 marks)
- A 15-min video and presentation (2 marks)

2. Assignment work: System prototype

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

----- **HAPPY IMPLEMENTATION!** -----