DB to DWH

Creating a Data Mart

- **Team Formation:** Maximum of 3 members. Preferably, work with past DB project teammates if they are in the course.
- **Deadline:** Wednesday, 19th February 2025 @9.00 am

Objective

Apply data warehousing concepts by identifying a business process, defining the grain, selecting facts and dimensions, and designing a star schema from a past database project.

Plagiarism Note

In case of potential plagiarism, copying of entire file or any other indication of plagiarized submission, both teams involved will receive a zero in this assignment.

Grading Rubric

- Business Process Identification
- Grain Specification
- Listing relevant Facts & Dimensions
- Star Schema Quality

Submission Requirements

- Mention names and ERPs of all members in your document.
- Only one member should submit.
- File type: PDF or Word document.

Task

- Review Your Database Project and create a suitable data mart.
- **Database Project Review:** Write a short summary of your original database project schema indicating the business scenario. Attach a snapshot of your original database schema diagram.
- **Business Process Identification:** Clearly define the selected business process.
- **Grain Specification:** Describe the level of detail for the fact table.
- **Facts & Dimensions:** List and justify the chosen facts and dimensions.
- **Create a data mart diagram (star schema)**—either hand-drawn neatly or using a DB designer tool clearly indicating PK, FK and cardinalities.
- Compile your work as PDF or Word document.