

Weekly Task Assignment Description

Task Name: In-house Project Implementation

Objective: The trainees will implement an in-house project involving staging data, dimension creation, and fact table development to enhance their ETL skills.

Task Description:

This week's assignment focuses on implementing key ETL processes to prepare and load data for an in-house project. Follow the steps below to complete the task:

1. **Load the Staging Data**
 - Extract and load the provided staging data into the target system.
2. **Create Dimensions**
 - Design and create dimension tables with proper load type columns, ensuring appropriate attributes and primary keys.
3. **Map Dimensions and Workflow**
 - Configure dimension load mappings and sessions.
 - Combine these mappings into a single, cohesive workflow.
4. **Create Fact Table**
 - Develop a fact table and apply **Slowly Changing Dimension Type 1 (SCD1)** load type for data transformation.

Submission Guidelines:

- Submit the completed workflow and corresponding database schemas.
- Include screenshots of successful data loads and logs for validation.
- Ensure proper documentation of your steps and methodologies.

Submission Deadline:

- 28-Nov-24 Before 12:00 PM
- Submission Link : <https://forms.gle/GZQbqxEa6qNVzKuP8>

Evaluation Criteria:

- Accuracy of staging and dimension data loads.
- Workflow structure and efficiency.
- Successful implementation of the SCD1 load type in the fact table.
- Quality and completeness of documentation.