**Problem Definition Summary**

Project Title: Data-Driven Online Learning Platform for SDG 4: Quality Education

Problem:

Many learners, especially in underprivileged areas, face limited access to quality education due to socioeconomic disparities, language barriers, and a lack of personalized learning. This leads to lower enrollment, higher dropout rates, and reduced educational outcomes.

Objective:

Develop an online learning platform that provides affordable, accessible, and quality educational resources. The platform will offer personalized learning paths, track learner progress, support multiple languages, and include accessibility features for students with disabilities.

Proposed Solution:

1. Create a relational database to store learner and course data.

2. Track student progress and provide personalized learning experiences.

3. Support multiple languages and accessibility features.

4. Analyze student performance data to improve learning outcomes.

Relevance to SDG 4:

This solution addresses educational inequality by ensuring that all students, regardless of location, language, or ability, have access to quality education, promoting lifelong learning and inclusivity.

Key Metrics:

- Course enrollment and completion rates.

- Assessment scores and learning outcomes.

- Engagement from underprivileged students.

- Effectiveness of accessibility features.

The platform aims to make education more inclusive and equitable, aligning with SDG 4.