

## **CLIL Lesson Plan: Technical Report Writing**

**Teacher:** Dr. B. Spoorthi

**Grade Level:** B.Tech 1st Year – CSE/BT/MME

**Course:** English for Technical Communication

**Subject:** Technical Report Writing

**Duration:** 120 minutes

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### **Objectives:**

#### **Content Objective:**

- By the end of this lesson, students will understand the structure, format, and purpose of technical reports.

#### **Language Objective:**

- By the end of this lesson, students will be able to draft a well-structured technical report addressing a real-world issue.
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### **Materials:**

- Projector and screen
  - Handouts with technical report structure and examples
  - Notebooks or digital devices for note-taking
  - Cameras or mobile devices for documentation (optional)
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### **Preparation:**

- Prepare a PowerPoint presentation covering the structure, key sections, and best practices of technical report writing.
  - Provide handouts with sample technical reports and guidelines for writing.
  - Arrange classroom seating to facilitate group discussions and brainstorming sessions.
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## **Procedure:**

### **1. Introduction to Technical Reports (20 minutes)**

- Begin with a discussion on the purpose of technical reports in engineering and academic settings.
- Explain the essential sections of a technical report:
  - Title Page
  - Abstract
  - Introduction
  - Problem Identification
  - Methodology
  - Findings & Analysis
  - Recommendations
  - Conclusion
  - References
- Provide students with a handout summarizing these elements.

### **2. Campus Exploration & Problem Identification (40 minutes)**

- Divide students into small groups.
- Instruct each group to explore different areas of the campus to identify existing problems (e.g., infrastructure issues, environmental concerns, safety hazards, accessibility challenges).
- Encourage students to document their observations with notes, photos, and videos.

### **3. Brainstorming & Solution Development (30 minutes)**

- Groups return to the classroom and discuss their findings.
- Each group selects one key problem to address.
- Guide students through brainstorming solutions, considering feasibility, cost, and sustainability.
- Ask students to outline their findings and proposed solutions for inclusion in their technical report.

### **4. Technical Report Planning (25 minutes)**

- Groups draft the structure of their technical report, ensuring that all key sections are covered.
  - Students begin writing key points for each section, focusing on clarity and technical accuracy.
  - Provide feedback and guidance on organizing content effectively.
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## **Conclusion (5 minutes)**

- Summarize key takeaways from the session.
  - Emphasize the importance of well-structured technical reports in professional communication.
  - Thank students for their participation.
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## **Assessment:**

- Observation of students' participation in problem identification and brainstorming sessions.
  - Evaluation of logical coherence in proposed solutions.
  - Review of initial technical report outlines.
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## **Homework/Extension:**

- Assign students to complete a full draft of their technical report based on their findings and discussions in class.
  - Encourage students to proofread and refine their reports for clarity and conciseness.
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**Note:** This CLIL lesson plan integrates real-world problem-solving with structured writing practice, helping engineering students develop analytical and technical communication skills essential for their careers.