



## Practical Project Management Using Simulation

### **Course Description:**

**Cesim Project** is a team-based, interactive project management simulation. It allows participants to experience the dynamics of managing a project that is part of a broader, multi-project program with manifold inter-project dependencies. The role of each team member is to manage a project and the goal of the team is to complete a program that consists of four projects. Through careful planning and execution, teams must complete the program while adhering to customer's quality requirements, budget constraints, and schedules. Cooperation between project managers is essential in order for the program to be completed efficiently. The simulation illustrates and tracks the progression of the program and the individual projects.

**Focus:** Project management, teamwork and leadership, effective collaboration and communication

**Overview:** <https://www.cesim.com/simulations/cesim-project-management-simulation>

**Expected outcome:** Better understanding of the critical element of communication in project work. Increased understanding of the interplay of collaborative and competitive elements in an environment that puts interpersonal skills to test. Insights into the systematic measurement of project goals and key metrics like time, cost, and quality. Appreciation of differences of opinion and variance in teamwork skills.

### **Outline of the Course:**

This course will be delivered in three full days, where participants are placed in the shoes of Project Managers in a document digitization program. The program is carried out by four separate projects and each participant will be responsible of one of the projects. The goal is to complete the programme in 4 stages/rounds.

#### **☐ Participants' responsibilities are:**

1. Make a budget proposal in the beginning of the project.
2. Assign individual tasks to the project team-members and to her-/himself.
3. Communicate with the other project managers within the program since the projects are interlinked.
4. Make sure that the project stays on schedule and on budget and delivers the required quality level.

#### **Learning Outcomes:**

1. Analyse and apply knowledge and professional practices relevant and appropriate to various project and programme.
2. Demonstrate effective decision-making in complex and unpredictable situations through critical analysing of external and internal project environmental drivers
3. Demonstrate the capability of leading and managing complex projects with multiple constraints



and complete the programme successfully while adhering to quality, budget, and schedules.

4. Demonstrate effective collaboration and communication with various stakeholders within the programme.

**Structure of the Course:**

24 hours (3 day X 8 hours per day), these three days are structured as follows:

- **Day 1:**  
In depth Introduction to the Simulation and participants will begin working on Round 1
- **Day 2:**  
Participants will keep working on Rounds 2 and 3
- **Day 3:**  
Participants will complete the final Round, also lesson learned and reflection from this simulation will be captured

**Training Techniques:**

- Interactive sessions and simulation.
- Hands-on exercises for practical application.
- Revising key Project Management theories.
- Group discussions and knowledge-sharing sessions.

**Target Audience:**

This course is suitable for professionals from various industries who are involved in or aspire to lead projects. It is particularly beneficial for project managers, team leads, students and individuals seeking to enhance their project management skills

**The Software:**

The software used for this simulation is **Cesim Project** (The simulation is fully browser-based and requires no software downloads)

**Requirements:**

Participants must bring a laptop to the sessions.

**Course Language:**

English

