



# INNORESOLVE



## INNORESOLVE Industry 4.0



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CAMERA DE COMERȚ ȘI INDUSTRIE CLUJ  
IMPREUNĂ PENTRU AFACEREA TA



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## PBL Introduction

- The traditional teaching has provoked in many learners demotivation and annoyance. They are often forced to memorize a large amount of information that in most cases is irrelevant in the productive world. The learner is a passive subject who only receives the information through readings, from the trainer's exposition and, in few occasions, from his classmates.
- On the contrary, in Problem-Based Learning (ABP) the learner seeks to learn what he considers necessary to solve the problems that arise, which belong to different areas of knowledge.



## What is Problem Based Learning?

- Problem Based Learning (PBL) is a strategy that poses a problem or situation in real life and serves as a trigger for learners to meet learning goals.
- Through the analysis of the problem situation, the learner is able to determine the contents, skills and abilities that need to be applied to propose one or several solutions.
- It is important to point out that the objective is not focused on solving the problem situation, but on the fact that it is used as a starting point to identify learning topics and study them independently or in groups.



## PBL Characteristics

- It is an active and self-directed work method in which learners constantly participate in the acquisition of knowledge.
- Firstly, a real problem is presented, the learning needs are identified, the necessary information is sought and finally you come back to the problem.
- Learning focuses on the learner and not on the trainer, nor on the content.
- It is a method that stimulates collaborative work in different disciplines. It works in small groups and creates a certain interdependence among the participants.
- The trainer becomes a learning facilitator or tutor.



## PBL Characteristics

- When working with the PBL, the activity revolves around the discussion of a problem and learning arises through the search for solutions.
- Learners learn in a cooperative environment.
- Problems have more than one correct answer possible, which encourages learners to ask questions, explore alternatives and make decisions.
- Learners locate resources with the trainer's guidance.
- Each learner evaluates their own process, the process of the other members of the team and of the whole group. During the evaluation, the process is as valuable as the result.