

PROBLEM BASED LEARNING - CASE STUDY FOR AUTOMOTIVE ENGINEERING

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Abstract: The problem based learning (PBL) method is lead by concepts of interaction with the computer facilities and of active involvement of the student in the learning process. Several definitions, principles and characteristics of problem based learning are given as well as an application for a problem in a certain extent known to all (teachers, students, common people) such as vehicles at their end of life (end of life vehicles, abbreviated as ELV’s). The authors planned a scenario in order to learn students of Transylvania University how to solve the problem of ELV’s at the level of Brasov city. For each step of the method it was chosen the most appropriate instrument from the electronic platform (resources accessing, course content and glossary of terms, forum, chat, assignments).The contribution was the structuring of the problem solving scenario according to automotive students training needs, considering also the ELV Romanian conditions.

Key words: problem-based learning, automotive engi-neering, end-of-life vehicles, recycling.