

PROJECT MANAGEMENT AND RESOURCE ALLOCATION OPTIMIZATION IN CONDITIONS CHARACTERIZED BY RISK

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Rezumat: *Cunoștințele legate de management de proiect este necesar dar nu suficient pentru succesul unui proiect. Riscul implicat de fiecare activitate a unui proiect și asimilat utilizării unei resurse în cadrul acesteia poate transforma un proiect de real succes într-un eșec total. Managementul riscului reprezintă una dintre cele mai importante componente ale managementului de proiect. Dezvoltarea și implementarea de software reprezintă domeniul de referință pentru nașterea și aprofundarea interesului în gestionarea proiectelor. În cadrul proiectului MSPREV – Automobile Dacia Renault am urmărit identificarea și tratarea factorilor de risc precum și optimizarea alocării resurselor în condiții de risc, dat fiind specificul proiectului.*

Abstract: *Project management represents the transformation of a vision into reality. The vision is a future state which put into practice will help up improve the company's performance, solve a problem or exploit an opportunity for a higher profit. Project management is a structured process through which we can deliver successfully this future state. Risks have a great impact on costs thus making the risk analysis and resource allocation optimization a must. There are positive risks and negative risks - some of which will be accepted as normal and usually have a low cost associated or, on the other hand, there are inevitable risks which shall have to be dealt with through contingency plans.*

Keywords: risk, project management, planning, resources, optimization

1. Introduction

The development of Project Management as a discipline is connected to the innovation process. In this process we can input as a prototype any component of the company's structure and activity: from resources to processes and final product, post-sale services or the feed-back process. The last fifty years have been characterized by a rising tendency of emergence chance. The success of project based development strategy comes from the fact that projects can deliver change in a more rapid and flexible way that cannot be done through a routine activity. Projects are efficient in supplying change, but are an inefficient way of running a continuous production activity. This is the reason for which as soon as change is delivered the project must be abandoned for the routine activity. From software development projects to investment projects and social projects, the tools for managing projects can be applied in every activity.

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