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TITLE OF DIPLOMA THESIS:

Project scheduling of a public construction project with the use of MS-Project

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ABSTRACT

The management of a project in the construction company is without doubt a subject of high interest, demanding and complex. Several competences are required combined with a broad range of Knowledge in the fields of management, construction, design and contractual procedures, to enable effective management of the challenges occurring. In the line process of planning-supervision-control, the last element enables the manager to determine the deviation range of actual practice from the original planning. The present thesis deals with the management of a public building structure using the program MS Project as well as the evaluation of its progress based on the Earned Value Analysis method. Initially, there are being presented the most important factors and elements that should be taken into account throughout the various stages of building construction management with references in the planning, preparation of the necessary studies, the various requirements from the national authorities and the most important factors to be taken into consideration regarding the construction. Afterwards, the Earned Value Analysis method is being analyzed quoting the parameters used, the advantages and the limitations presenting, as well as, the emerging practice. Then, it's being presented in detail the construction management of the project in question with the use of the program MS Project 2007 and afterwards follows the evaluation of its progress based on the EVA method. Finally, there are given conclusions and suggestions arising from the preparation of the present essay.

KEYWORDS

Project Management of construction, Baseline, Earn value analysis