

TITLE OF MASTER THESIS

Analysis of the Critical Chain as a Means to Achieve Better Time and Financial Planning in Technical Projects

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ACADEMIC YEAR

2016 - 2017

ABSTRACT

The method of planning projects using the critical chain project management analysis has already existed for two decades since its first formal introduction. (Goldratt, 1997). Nevertheless, despite the numerous reports by various corporations about the impressive results of this method in decreasing the time duration of projects has not acquired a competitive presence in the utilisation field compared to the traditional planning methods (CPM, PERT, GANTT). In this Master's Thesis we look for those elements in which CCPM appears to benefit from traditional methods, achieving better results with fewer requirements from project managers and at the same time investigating the causes that prevent its expansion and prevalence. The conclusions of this paper outline the undisputed advantages of the CCPM and its basic constraints. At the same time, the need for further research, especially in the field of application, is emphasized, so that the constant improvement of the method confirms the prospects for expansion and perhaps its prevalence over the traditional methods of programming.

KEYWORDS

Critical Chain (CC), Critical Chain Project Management (CCPM), Theory of Constraints (TOC).