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Presentation of Conceptual Model of Net Aperture in Construction Industries Using Structural-Interpretative Modeling Method
(Case Study: Arad Road Guilan Co.)

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Abstract

Maintenance and repair of machines are the mainstays of every industry and its importance and role is not covered by anyone. Where the talk is about economic production, maintenance is also a concern. Considering the widespread development of needs and the increasing complexity of design in keeping with the rapid advancement of technology, the need for agility in maintenance has been taken into consideration. Considering that the unpredictable increase in construction costs is a common problem in the construction industry, it is customary to take the project with the least tender in the construction industry; therefore, without controlling the key factors affecting cost, the construction companies cannot effectively examine the costs that increase the cost of the project and affect the overall profit. Indeed, the unpredictable increase in cost of construction is a common problem in the construction industry. Identifying the factors affecting net refinement and providing a conceptual model and prioritizing these factors can be an effective step to reduce company costs. In this paper, after identifying the factors affecting agility and introducing effective factors in the net, a framework for the design of the net is introduced using the Structural-Interpretative Modeling Method. For this purpose, firstly, using the library methods, the factors affecting both maintenance areas and agility are determined, then, using the results of a distributed questionnaire between the experts and their analysis, the proposed model is completed and a more comprehensive framework of relations between the factors is presented. This model shows that human resource factor and budget and credit factor have the most impact on the project's agility project.

Keywords: Maintenance, Agility, Performance Management, Agility Capabilities, Structural Modeling Interpretation

1. Introduction