

Four-dimensional (4D) Decoding Information Presented in Reports of Project Progress in Developing Countries

Authors : Vahid Khadjeh Anvary, Hamideh Karimi Yazdi

Abstract : Generally, the tool of comparison between performance of each stage in the life of a project, is the number of project progress during that period, which in most cases is only determined as one-dimensional with referring to one of three factors (physical, time, and financial). In many projects in developing countries there are controversies on accuracy and the way of analyzing progress report of projects that hinders getting definitive and engineering conclusions on the status of project. Identifying weakness points of this kind of one-dimensional look on project and determining a reliable and engineering approach for multi-dimensional decoding information receivable from project is of great importance in project management. This can be a tool to help identification of hidden diseases of project before appearing irreversible symptoms that are usually delays or increased costs of execution. The method used in this paper is defining and evaluating a hypothetical project as an example analyzing different scenarios and numerical comparison of them along with related graphs and tables. Finally, by analyzing different possible scenarios in the project, possibility or impossibility of predicting their occurrence is examined through the evidence.

Keywords : physical progress, time progress, financial progress, delays, critical path

Conference Title : ICCCE 2014 : International Conference on Civil and Construction Engineering

Conference Location : Melbourne, Australia

Conference Dates : December 11-12, 2014