

Specialty: Humanities

# An investigation into legal consequences of nullifying the joint-stock company in legal system of Iran

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## Abstract

Enforcement of Legal Affairs in the sense of nullity and termination of the transaction, having committed to fulfill the obligation on the debt has also sanction the terms of the validity of contracts invalid or no influence or no ability to rely on joint-stock companies as well as instances of revocation There Common causes of nullity and the causes of the 1347 reform bill. The works of the sanction of revocation notice the shareholders, the CEO and the board is that if an error on the part of the founders to be the responsibility of partnership and mutually responsible for damages read that the revocation of the shareholders and third parties noticed (the last part of amendment 23, 1347)

**Key words:** Investigation, Legal, Joint-stock

## INTRODUCTION

Estimate Activity Duration Process uses information on the scope of work, required resource types, estimated resource quantities and resource calendars, as well as available resources to create the project schedule. Inputs of this process are collected by individual members or groups of the project team, who are completely familiar with nature of the project. As the quality and availability of input data enhances, results of the process gradually develop and lead to better and more accurate output.

Estimate Activity Duration Process requires the evaluation of the amount of work required and the amount of resources to be applied for approximating the work periods needed to complete the activity. All assumptions and data used for supporting the activity duration estimating are documented.

Given the various requirements in organizations, the choice of these projects can be fundamentally different. They

might be executed by one person or a group comprising hundreds of people. Furthermore, project duration might vary from several weeks to several years.

## Review of Literature

Emami (2012) in an article entitled “Application of Game Theory Approach in Solving the Construction Project Conflicts” discusses tow game theory structures, namely Prisoner’s Dilemma and Chicken Game. Two types of probabilistic conflicts during the construction project are considered based on these two games and the results highlight the applicability of the game theory software in construction projects’ dispute resolution.

In their article entitled “Redundancy Resource Allocation for Reliable Project Scheduling: A Game-Theoretical Approach”, Noori et al., (2015) presents the optimal manner of redundancy allocation, as well as a new mathematical model. Finally, several computational experiments are executed and their results are analyzed. The comparison of equilibrium outcomes with the optimal policy of productivity justifies the efficiency of Nash equilibrium in increasing the projects network reliability. Beatrice et al., also published a paper in 2015, entitled Redundancy Allocation in Time-Varying Channels with Long Propagation Delays.

Performance evaluation of proposed algorithms appraise the experimental data in which slowly-varying experimental

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channel is measured. The rationale of the study is to enhance the performance of underwater acoustic communications, for which low bit rates are available. The performance of the proposed scheme is compared with those obtained for a constant rate allocation and a rateless scheme.

### Research Hypotheses

- Minimizing project duration leads to project execution cost minimization.
- Resource allocation manner for project duration minimization can be analyzed through game theory and lead to optimal solutions.

### Research Methodology

This research has a practical orientation and employs descriptive-survey based approach.

Part of the study comprises library research with a focus on qualitative analyses, employing survey based research strategy. Expert opinions in this field, as well as documents related to the analysis of resource allocation method towards the minimization of project duration are consulted with, by means of employing game theory in Tasha Manufacturing Company.

With respect to research objectives, this survey is applied-developmental and as for research methodology, it is descriptive. In order to analyze the factors affecting the minimization of project duration through game theory in Tasha Manufacturing Company, SPSS software was applied and for the analysis of resource allocation method through game theory in Tasha Manufacturing Company, Analytical Hierarchy Process which is one of the Multi Criteria Decision Making methods was utilized.

### Research Population and Sample

Research population is divided into two general categories. The first group constitutes expert professors in the field of resource allocation methods for minimizing project duration. The second group includes the personnel of the department of Research and Study in Tasha Manufacturing Company, along with project management experts of the corporation or other such personnel.

Employees at Research and Study Department of Tasha manufacturing Company, as well as project management experts of the company are regarded as research statistical sample, selected based on the number of each sample unit.

### Conceptual Model Research Variables

Variables of the present thesis include three latent variables (2 independent variables and one dependent variable), as well as 12 observed variables, as shown in the following table:

**Table 1-3: Observed and latent research variables**

No.	Independent variables (latent)	Observed variables	Dependent variable (goal)
1	"Resource Allocation"	Work force  Financial resources Materials Equipment Machinery	"Project execution cost"
2	"Project Duration"	Work force productivity maximization Project resources increase Work hour increase Equipment effectiveness increase Change in working method Elimination of factors in project duration maximization	

### Hypothesis Testing

With respect to the analysis of resource allocation method towards the minimization of project duration through game theory in Tasha Manufacturing Company, it can be observed that the criterion with the highest ranking regarding the variable of preferences (decision making strategies) is "Change in working method", equaling to 0.393, being the highest ranking weight among other criteria related to preferences variable (decision making strategy). Given the findings of research, research hypotheses can be tested:

### Hypothesis 1

According to statistical analysis presented in table 3-4: descriptive data on research variables as well as figure 1-4: determination of criteria weights impacting resource allocation method in minimization of project duration through game theory in Tasha Manufacturing Company based on experts opinion, it can be concluded that minimization of project duration results in minimization in project execution cost.

Given the constrained resources for allocation, including workforce, financial resources, material, equipment and machinery, preferences (decision making strategies) such as increasing employee productivity, project resources increase, work hour and equipment maximization, changing working method and elimination of factors in project duration maximization should be addressed, so that the processes of designing and manufacturing heater, flare package, air coolers, heat exchangers, pressure vessels and reactors are optimized. Therefore, the first hypothesis is supported, affirming that minimizing project duration reduces project execution cost.

## Hypothesis 2

According to the statistical analyses displayed in figure 2-4: the final analysis and ranking of resource allocation method strategies towards the minimization of project duration through game theory in Tasha Manufacturing Company, it can be stated that resource allocation method for the purpose of minimizing project duration by means of game theory can be analyzed and optimal solutions achieved. This is because given the analysis of resource allocation strategies method towards the minimization of project duration through game theory in Tasha Manufacturing Company, it is observed that the criterion owning the highest ranking on the variable of preferences (decision making strategies) is change in working method, since it has the highest ranking weight of 0.393 among other criteria related to preferences (decision making strategies).

Generally, re-engineering is applied in the whole body of an organization or corporation and applying it to only one part of does not constitute re-engineering. Nevertheless, different work procedures can be re-engineered. Therefore organizations should analyze these changes and their effect on customers and implement them in their activities. Thus the second research hypothesis is supported and the method of resource allocation towards minimization of project duration through game theory can be analyzed to reach optimal solutions.

## CONCLUSION

One of the most important contributions of the present thesis in the analysis of resource allocation method for the minimization of project duration by means of game theory in Tasha Manufacturing Company is the fact that according to the expert opinions and specialists of Tasha Manufacturing Company on variables and criteria included in this research, the criterion possessing the highest ranking related to “constrained resources for allocation” is in fact “financial resources”, that is 0.40, since it has the highest ranking weight among other criteria on “constrained resources for allocation” variable. In fact, financial management includes resource and consumption management in an efficient way. The goal of financial management is to increase corporate value and consequently stockholders’ asset.

On the other hand, “Reactor designing and manufacturing procedure” has the highest ranking relating to the variable of “acts (measures)”, since it has the highest ranking, that is 0.408, among “acts (measures)” criteria.

Through the analysis of resource allocation method strategies towards the minimization of project duration by

means of game theory in Tasha Manufacturing Company, it is noted that the criterion owning the highest ranking on the variable of preferences (decision making strategies) is change in working method, since it has the highest ranking weight of 0.393 among other criteria related to preferences criterion (decision making strategies).

In fact, one of the objectives of project planning is to deliver necessary reports to senior managers of organizations, supporters, stakeholders, etc. Thus, at planning stage, they should receive a level of planning which fulfills their needs and is within their grasp.

Therefore, project planners need to be aware of the fact that this level of planning is specific to non-professionals, as well as those outside the group. They should also focus on the part of project whose designing and delivery is deemed important in the eyes of the supporter, customer and senior manager. Noting this can play a key role in guaranteeing their trust in the project management team, since it can be embedded in project planning as a milestone approach.

Yet another finding of the this study is that, in order for the minimization of activity duration in the company, that is the processes of designing and manufacturing heater, flare package, air coolers, heat exchangers, pressure vessels and reactors, factor such as financing, re-engineering of work processes in Tasha manufacturing Company, as well as resource allocation method towards the minimization of project duration through game theory in Tasha manufacturing Company should be specifically taken into account. In fact, the technical procedure of a project comprises a series of technical practices aimed at producing the final product of the project. Timing based on interim products includes a diagram depicting who delivers which interim product to whom and when.

## REFERENCE

1. Ivanov, D., Sokolov, B., (2010). Adaptive Supply Chain Management. Springer London Dordrecht Heidelberg New York.
2. You, C., (2009). On the convergence of uncertain sequences. Journal of Mathematical and Computer Modeling, 49, 482-487.
3. Liu, B., (2009). Some Research Problems in Uncertainty Theory. Journal of Uncertain Systems, 3(1), 3-10.
4. Karimi, Gavarehski, M., H., (2004). New Fuzzy GERT Method for Research Projects Scheduling IEEE International Engineering Management Conference, Singapore, 820-824.
5. Zadeh, L. A., (1965). Fuzzy Sets. Journal of Information and Control, 8, 338-356.
6. The Office of Government Commerce, Project in Controlled Environments, Second Edition, the Office of Government Commerce, Oxford, England, 1996.
7. Project Management Institute, A Guide to the Project Management Body of Knowledge, fourth Edition, Project Management Institute. Inc, Pennsylvania, USA, 2008.

8. International Project Management Association, (2004) ICB, 3rd Edition, International Project Management Association, Netherlands
9. Aldrich, Howard: "Organizations & Environments"; USA, Prentice-Hall, 1979.
10. Becker, Gregory M.; "A Practical Risk Management Approach"; USA, PMI Global Congress, 2004.0
11. Degarmo E. Paul & et- al.; "Engineering Economy"; 10<sup>th</sup> ed., USA, Prentice- Hall, 1997.
12. Forsberg, Kevin & et- al.; "Visualizing Project Management"; 2nd ed., USA, John Wiley & Sons, 2000.
13. Gonen, Turan; "Engineering Economy for Engineering Managers"; USA, John Wiley & Sons, 1990
14. Hillson, David; "Earned Value Management & Risk Management: A Practical Synergy"; USA, PMI Global Congress, 2004.
15. International Standard Organization; "Quality Management Systems Guidelines for Quality Management in Projects"; ISO, UK, 2003.
16. Kerzner, Harold; "Project Management: A Systems Approach to Planning, scheduling & Controlling"; 5th ed., USA, Van Nostrand Reinhold, 1995.
17. Mantel, Samuel & et- al.; "Project Management in Practice"; USA, John Wiley & Sons, 2001.
18. Martin, Paula & Karen Tate; "Getting Started in Project Management"; USA, John Wiley & Sons, 2001.
19. Project Management Institute; "A Guide to the Project Management Body of Knowledge"; USA, PMI, 2000.
20. Project Management Institute; "A Guide to the Project Management Body of Knowledge"; 3rd ed., USA, PMI, 2004.
21. Project Management Institute; "Practice Standard Work Breakdown Structure"; USA, PMI, 2001.
22. Pugh, D.S.; "The Measurement of Organization Structure: Does Context Determine Form?" Organizational Dynamics 1, Spring 1973.
23. Prade, H., (1979). Using fuzzy set theory in a scheduling problem: a case study. Journal of Fuzzy Sets and Systems, 2, 153-165.
24. Chanas, S., Kamburowski, J., (1981). The Use of Fuzzy Variable in PERT. Journal of Fuzzy Sets and Systems, 5(1), 11-19.
25. Gazdik, I., (1983). Fuzzy-network planning-FNET. IEEE Transactions Reliability, 32(2), 304-313.
26. Nasution, S. H., (1994). Fuzzy Critical Path Method. IEEE Transactions on Systems Man and Cybrntics, 41(1), 48-57.
27. Lorterapong, p., Moselhi, O., (1996). Project-network Analysis using Fuzzy Sets Theory. Journal of Construction Engineering and Management, 122(4), 308-318.
28. Mc, Cahon, C. S., (1993). Using Pert as an approximation of fuzzy project-network analysis. IEEE Transactions on Engineering Management, 40(2), 146-153
29. Department Of Defense (DOD), (1999). Parametric estimating handbook. 2<sup>nd</sup> ed. DOD. <http://www.ispa-cost.org/PEIWeb/cover.htm>.
30. Wierda, L. S., (1991). Linking design, process planning and cost information by feature-basedmodeling. Journal of Engineering Design, 2(1), 3-19.

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