

Explaining the Success of Guilan Gas Company's Projects with an Emphasis on the Role of Project Management Methodologies

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Project management is the use of knowledge, skills, tools, and techniques to manage activities in order to meet the project's requirements. Project success is defined as the achievement of some pre-determined goals, including parameters such as schedule, cost, performance, quality, and safety. Thus, the application of project management to achieve project success requires the use of different project management methodologies (PMMs). The present study was aimed at investigating the relationships between the use of project management methodologies and project success and examining the impact of project management sector on these relationships. More precisely, this study sought to explain the success of Guilan Gas Company's projects with an emphasis on the role of project management methodologies. The research population consisted of all Guilan Gas Company's projects at the time the study was being carried out (N= 143). Joslin et al.'s questionnaire (2015) was used as the data collection tool. Descriptive and inferential statistics and SPSS software were employed to analyze the collected data. Cronbach's alpha technique and structural equation modelling (SEM) were used to explore the questionnaire's reliability and the relationships between the research variables, respectively. According to the results, two hypotheses out of six were confirmed. In other words, comprehensive and complementary project management methodologies had significant positive impacts on the success of Guilan Gas company's construction projects.

Keywords : Project Management Methodologies, Project Success, Project Monitoring, probability Theory, Project Implementation Sector

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