

**An overview -Study on Projects Success Factors for
Construction Projects in Gwalior**Deeksha sharma¹, Mukesh Pandey², Sohiti Agarwal³.¹M.tech . Student Civil Department ITM University Gwalior 474001²Head of Department, Civil Engineering, ITM University Gwalior M.P 474001³Assistant Professor, Department of Civil Engineering, ITM University Gwalior M.P 474001⁴M.E Construction Professional, Gwalior, M.P. 474001

Abstract:- Construction projects in Gwalior region suffer from many difficulties and complex issues. However, nevertheless many years of research and experience, how to improve the possibility of proudly delivering a project and the criteria of estimating project success still remain unsolved. The study of project success is used to improving the performance of construction projects. Defining success is an elusive topic. The objectives of this paper is to recognize and classifying the success factors of project for the construction project. The result of past studies recommended most important success factors for construction projects are "Time and Quality", project management, owner's satisfaction. The aim of this paper is to recognize and classify the factors of success which are necessary for enhancing understanding and improving the awareness. This provides an approach to mitigating the impacts of the unwilling event in the construction project in Gwalior, Madhya Pradesh.

Introduction

In the construction industry the term 'Success' has many definitions and is perceived differently from people to people. Researchers believed that project success can be achieved by meeting the time, cost and quality requirements of the stakeholders. Past studies showed that the definition of project success derives differently from one person to another by different meaning since they have their different objective view. Project success of construction projects generally depends on its performance, time of completion, on a budget, specific quality and customer's satisfaction. According to some studies, project success depends on better scheduling techniques which would improve project management and results in the successful project.

Many of the construction projects delays in delivery due to which project management pay fine which results in the project cost increment in spite of this they are deemed to be successful construction projects. Thus still there can be an ambiguity in the concept of project success. Therefore a systematic approach is needed to understand the success of the project and develop a structure to eliminating factors affecting success of project and measuring project success. This paper covers a literature review on project success and identifying the factors of project success through the survey.

Literature Review:-

The definition of success has many meanings that it's meaning differs from one people to another with different ideas stated by Meredith & Mantel. Therefore the definition of success is ambiguously determined. Dvir et al. defined success as the project is perceived to be successful when it would be within the budget. A project becomes successful by the combination of many activities and events with planned schedule or some unplanned schedule with replacements of team members and changing strategies (Sanvido et al; 1992). In 1961 D.Ronald Daniel gave the consideration on project success factors. He has conclude the difficulties in achieving success factors due to the improper management system, targeting objectives and decision making power against the objective of the project.

According to the early studies and survey through researchers the major factors considered by the stakeholder and project team such as engineers, designers, contractors as the key factors which affects the project success, inappropriate planning and inaccurate specification, supervision, project mangement, various construction techniques, shortage of equipment, construction faults and reduction in material, and rework due to defectiveness (Saraf D. D. 2013). Thus it was made an assumption that to achieve a project success, this is important to know the factors which affect a project success, project manager and team members should have a good knowledge about these factors and how to prevent them and control them then the only project proceed smoothly and successfully.

Generic success consideration is built up that only if the project gets done under the given estimate, on time, specific quality and customer's satisfaction, considered as 'golden triangle', then the project is perceived as a success. Morteza Shokri-Ghasabeh, Kamyar Kavousi-Chabok(Aug2009) reveals the generic projects success criteria and factor, according to them the most important factor is respondent believe that Time, Cost, Quality, risk and scope control should be focused on the project management and organisation under a general definition of projects success, which was considered as a very important success criterion. But researchers believe that this just an assumption and away from the truth. Therefore there is a need to give special attention to understanding success factors as well as factors affecting project success, besides the golden triangle, if the challenges accepted which is posed by globalization (Toor & Ogunlana 2005). According to Zwikaël (2009), the project lifecycle is the structure through which the construction project is

finished out i.e., it should have decided start and finish point which requires proper management and techniques as inimical conventional management techniques. This made project team responsible for identified and prevent critical factors of success.

The notion of the success of the project can have the different meaning to different people and according to researchers, there is no evidence of project success whether the project is well-turned or not. Different people judge the project according to their ideas and views. Shenhar et al. (2002) also believe that there is no such evidence and consensus that determine whether the project is success or failure.

According to Els, M., Van der Merwe, M.F & Hauptfleisch, A.C. Studies on project success started in the mid-1900s and success measured by considering time, cost and quality (Iron triangle). From more than 50 years, the achievement of project success has been connected with Iron triangle that is cost, time, quality (Atikson, 1999). De wit (1988) and Belassi and Tukel (1996) analyze that the early project management literature showed that the project success will be considered only if the project achieves three main objectives that are desired quality level, completion on time and within the budget, otherwise project is considered as a failure. They have expanded the success factors coverage.

Further in the 20th century (around 1980s), the concept of project success has expanded and the attention on success of project rise and researchers began deeper studies, identifying furthermore dimensions for defining project success apart from the iron triangle (cost, time, quality) conclusion are factors generated by human such as headship, communication, unity in team during work etc. Gidado (1996) note that the definition of project success is complicated in nature and there might be several other aspects which require achieving success rather than iron triangle. According to the researchers (Wateridge, 1998, Lim and Mohamed, 1999, Globerson and Zwikael, 2002, Kerzner, 2003), the project success can realize by only considering cost, time and quality but also to that of the stakeholders of the project. Van Aken (1996) also believes that 'the satisfaction of stakeholders' is a major factor for a project success. This was being considered by many researchers the project success can not be considered only by applying iron triangle but also considered the stakeholder's satisfaction, need and expectation from their project. It is important to identify the needs and expectations of stakeholders of a project to achieve project success. Consequently, Belassi & Tukel (1996) sorted factors of project success, which is related to the project management such as project managers and project team members, factors related to the environment, natural climatic conditions and factors related to the organization.

Conclusion:-

This study provides the clear view of project success What to achieve to get project success and How that can be achieved. The study suggests the definition of project success and success factors through which success can achieve such as project completion on time, stakeholders satisfaction, within cost, quality of the desired level. From the early studies, the concept of success found as complex in nature and has the different meaning to different people. Among the most of the studies the Cost, Quality, Time and stakeholder's satisfactions referred as most important factors which necessarily needs to achieve a project success. Somehow among these factors the stakeholder's satisfaction considered as a major factor by the many researchers. The aim of the study is to recognize the success factors of a project which have been discussed in past studies. The factors which affect project success are also discussed in this paper, the goal of the discussing these factors is to identifying and prevention from these factors for achieving project success.

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