



**RESEARCH ARTICLE**

# **Study of Uncertainty Factors Influenced in Software Phases Effecting in Cost Estimation**

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*Abstract— The IT industry has certain challenges for quality management. In order to meet business and organisational objectives and deliver quality software, it is essential to improve the organisational practices, and processes that produce the software. Software process improvement is both possible and essential. A key to successful software process improvement is making a step-by-step improvement effort, which gradually evolves, into a paradigm shift in the way the organisation does business. The processes and practices complement each other for improvement and both require human effort from everyone in the organisation. Software project risk management is crucial for the software development projects. It is used for project planning and control purposes during the project execution. To success in managing a software project, project manager needs to understand the nature of software risks. The estimation of the software cost remains one of the most challenging problems in software engineering; as a preliminary estimate of cost includes many elements of uncertainty. All projects have some uncertainties. Each project will have a different capacity for uncertainty. This paper discusses the issues involved in project uncertainty, and presents the feedback of Team leaders and team members.*

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Full Text: <http://www.ijcsmc.com/docs/papers/August2013/V2I8201343.pdf>