ABSTRACT

Project management tools have became more demanding in project based organization, due to in this kind of organization, the entire activity is dynamic and complex. In order to sustain in the market, rapid development of the tools is done by the company. There are two options for the company to make these tools available in the company: first is by doing procurement from software vendor or to develop by themselves. To procure from software vendor or suppliers, the organization has to select the vendor in structure way. This thesis has the purpose to provide structure selection method based on Analytical Hierarchy Process. This methodology helps in finding the weighting average of each criterion related to selection of PMIS Solution Options available in the market. The expected result is a vendor selected using scoring system with combination of the Analytical Hierarchy Process.

Keywords: Software vendor selection criteria, and Analytic Hierarchy Process