

ANP IN PERFORMANCE MEASUREMENT AND ITS APPLICATION IN A MANUFACTURING SYSTEM

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ABSTRACT

As it is mentioned in the literature, performance measurement is a multi-perspective concept. For this reason, quantification of performance measurement can be modeled as a multi attribute decision problem. In this study, performance measurement is considered as an evaluation of the past activities with respect to the desired goals. With this definition, first a performance measurement system is proposed for a manufacturing system and an Analytical Network Process (ANP) technique is utilized in order to quantify the performance.

Keywords: performance measurement, analytical network process, manufacturing

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