

A Prototype of The Group Decision Support System Using Analytic Hierarchy Process

성 진현*, 정 병호**

* 금호 기술 연구소

** 전북대학교 산업공학과

ABSTRACT

The analytic hierarchy process(AHP) is a well known multi-attribute decision methodology. AHP is also a powerful and straightforward technique that can be integrated into any group decision making process. In special, AHP can be applied to synthesize individual's opinion in a decision group. The weights of group members are obtained through the pairwise comparison for each pair of members. This study develops a prototype of the group decision support system based on the AHP methodology. The system focuses on the phases of alternative evaluation and selection. The study describes the architecture of the prototype system, the functions and characteristics of each subsystem. A demonstration example is given.