THE APPLICATION OF FUZZY EXPERT SYSTEM AS DECISION SUPPORT SYSTEM FOR PROPERTY INVESTOR

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Abstract

Land property rating is an important thing to do before buying property. In this Final Project, five linguistic variables are used, those are land price, land altitude, land acidity, street crowdedness, and feng shui. This fuzzy expert system uses open source software Java Netbeans 7.1.1. While database uses open source software MySQL 5.2.

Fuzzy Expert System input is consulted crisp input. While the output is [0, 10] crisp output where there is five typical value property rating which are very bad, bad, medium, good, very good. Expert system also give five kinds opinion, such that very not recommend, not recommend, may buy property, recommend, and very recommend to buy property. Expert system assessment result have similarity with the assessment result been given by bussiness property expert.

Keywords : center of gravity, fuzzy expert system, expert system, fuzzy logic, mamdani, max-min inference