

ABSTRACT

Building rehabilitation selection process is a process to get and to use information about building rehabilitation proposal and for determining priority scale among buildings which will be rehabilitated. Making mistake in making decision will disturb any activity in corresponding department as a consequence.

In this final project are develop a software for handling building rehabilitation proposal selection problem. This decision support system will help in managing building data, building program rehabilitation proposal data i,e, RMA and MA, evaluating RMA and MA, and determining priority scale among building which will be rehabilitated based on particular criteria's. The method that will be used in determining priority scale are AHP (Analytic Hierarchy Process) and MAUT (Multi Attribute Utility Theory) method, where both method will make a right decision. The result is a list of building which are proposed to be rehabilitated, ordered by scale priority based on defined criteria's.

MySQL DBMS ver. 3.23.48 is chosen for data storage and management and APACHE 1.3.23 as a web server. PHP 4.1.1 is used for scripting language with Macromedia Dreamweaver MX as editing tool. and under windows 2000 professional platform

Keyword : software, DSS, AHP and MAUT Method, database