FUTURE SCOPE OF THE STUDY
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Fuzzy concept is most useful for the decision makers due to its great importance in real life situations.

Although, an attempt has been made in this thesis to formulate some unsolved realistic inventory problems in fuzzy environment, a lot of inventory problems have been left unexplored and appropriate methodologies also were not available to solve those problems. Hence using the proposed methodology for another inventory models or some other methodology for the proposed models can extend this study.

Only non-manufacturing models are considered in this thesis. One can reformulate them for manufacturing field.

The construction of membership function is one of the most important issues in the study. Some methods have already been proposed. There are also some other membership functions that can be considered for the present models easily if the situation demands. To find more general methods of assessment that would be compatible with how people manipulate different categories and associated operators is the topic of further research.

A multi-objective criterion has not been considered in many problems in fuzzy environment. One model of such type is proposed in this thesis with space and investment constraints, it can be extended for other constraints like restriction on number of orders, set-up time etc.

There is a wide scope as well as necessity to develop the models in ‘Fuzzy-Stochastic’ environment.
It is not claimed that this study is complete in all respects and it is not a single study, particularly for the limited purposes and confinements of academic degrees, will achieve this objective. However, it is felt that if it paves new avenues or points to the right direction, it has served its purpose.