APPLYING THE FS-AGGREGATION, WEIGHTED FS-AGGREGATION, INTERVAL VALUED FS–AGGREAGTION FOR SERVICES OF VARIOUS BANKING SECTORS:

A Dissertation submitted in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE

Submitted

by

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CONCLUSION:

In this project we have recalled some basic definitions, concept of fuzzy soft matrix and the FS-Aggregation, weighted aggregation, fuzzy soft matrix ,Interval valued aggregation on fuzzy soft matrix and its suitable applications problem based on services of various banking sectors. We then proposed a fuzzy multiple decision making approach for banking performance evolution.

By using FS-Aggregation method, obtain the optimum logical results in an easier way. In weighted fuzzy soft matrix based system for targeting specific customer is taken to consideration. The weighted arithmetic mean has been used to desire the decision factors on the fuzzy soft matrix. The three MCDM analytical tools such as FS-Aggregate, Weighted FS-Aggregate, Interval valued FS-Aggregate were adopted to evaluate the banking performance. The proposed FMCDM evaluation model of banking performance using the FS-Aggregation can be useful and effective tool.

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PROFIT MAXIMIZATION OF BALANCED FUZZY TRANSPORTATION PROBLEM USING RANKING METHOD

A Dissertation submitted in partial fulfillment of the requirementsfor the award of the degree of

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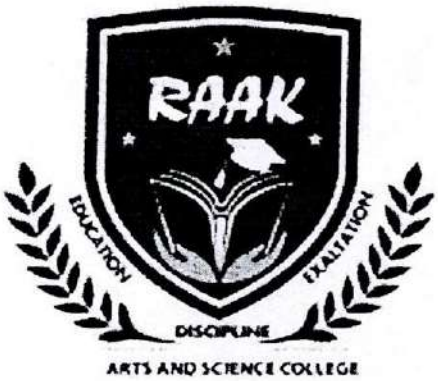

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CHAPTER V

CONCLUSION

In this project, the transportation costs are considered as imprecise numbers by fuzzy number which are more realistic and general in nature. Numerical examples are solved to illustrate the fuzzy transportation problem with trapezoidal fuzzy number to find the maximizing the profit with three methods (North west corner method, Least cost method, Vogel's approximation method). More over fuzzy transportation problem of trapezoidal numbers has been transformed into crisp transportation problem for some commodities through a capital network, when the supply and demand of nodes and the capacity and the cost of nodes are represented as trapezoidal fuzzy numbers using Yager's ranking indices. Generally, In operations research, the cost of the initial basic feasible solution through VAM will be the least among all the three techniques (North west corner method, Least cost method, Vogel's approximation method). Here done with the fuzzy transportation problem with trapezoidal fuzzy number by using Yager's ranking with those three methods at last the result will be Least cost method has the maximum profit. In future, my research work will be extend this idea in Pentagonal, hexagonal Fuzzy numbers and etc.

APPLICATION OF TOPSIS METHOD FOR DECISION MAKING

A Dissertation submitted in partial fulfillment of the requirementsfor the award of the degree of

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CHAPTER – 5

CONCLUSION

In this project, we discuss the TOPSIS method in detail and constructed a graphical model for the TOPSIS method. Numerical example are solved to illustrate the decision making problem by using TOPSIS Algorithm. We used the TOPSIS method for the selection of the best automotive mobile by using hypothetical data and examined that oppo is the best mobile according to the above selected parameters. In future , my research will be extend this idea to solve various numerical example by using decision making algorithm in various methods.

A STUDY ON LINGUISTIC INTUITIONISTIC FUZZY SOFT MATRIX AND ITS APPLICATION OF MULTI CRITERIA DECISION MAKING IN AGRICULTURE

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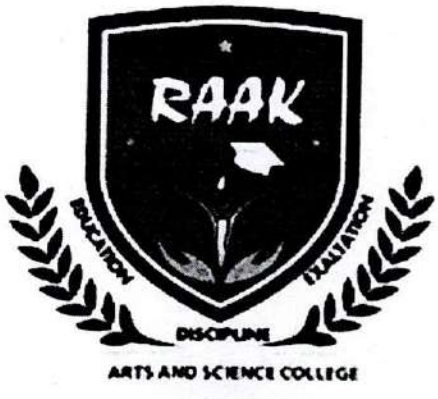

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CONCLUSION

Agriculture plays a vital role in our country. In this project the best preferable crop and major problems are studied with the help of incorporating the Linguistic Intuitionistic fuzzy soft matrix theory.

Also, first discuss the preferrable alternatives with the help of Linguistic Intuitionistic fuzzy soft matrix theory and the result produced the food crop is suitable selected by the former

In this project, We have developed an algorithm which is a hew approach in agriculture field by implementing Linguistic Intuitionistic fuzzy soft matrices. This algorithm is more flexible and adjust able solution is obtained looking for the maximum score in the score matrix

As for as future directions are concerned there would be required to study whether the notion put forward in this project yield a fruitful result.

A NEW ALGORITHM FOR SOLVING FUZZY TRANSPORTATION PROBLEMS WITH PENTAGONAL FUZZY NUMBERS

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CHAPTER V

CONCULSION:

In this paper, the transportation costs are considered as imprecise numbers described by fuzzy numbers which are more realistic and general in nature. Moreover, the fuzzy transportation problem of trapezoidal fuzzy numbers has been transformed into crisp transportation problem using ranking indices. Numerical examples show that by this method we can have the optimal solution as well as the crisp and fuzzy optimal total cost. By using ranking method we have shown that the total cost obtained is optimal. Moreover, one can conclude that the solution of fuzzy problems can be obtained by our proposed method effectively. This technique can also be used in solving other types of problems like, project schedules, assignment problems and network flow problems.