

Research proposal

1 Title

Fuzzy Optimization Technique
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2 Area of research & Domain of research

Fuzzy and Operations research

3 Objective of the proposal

The aim of this proposal is to develop a Fuzzy optimization in real life problems with using operation research. To solve the Fuzzy optimization in Transportation Problems, Job assign problems and etc. Fuzzy Optimization is to calculating the success , hesitation and failure in the real life problems. Fuzzy is nothing but uncertainty data's.

4 Background/short description

1. What problem are you trying to solve? To solve the real life problems.
Example: In every tollbooth we have fast tag option to live the tollbooth quickly without waiting in the queue but we also have to face some problem in fast tag like that gate does open when we reached the tollbooth the scanner can't able to identify the car in some position so I have to work in type of problems and try to fix the issues like that with using fuzzy optimization and the support from operation research.
2. Is the solution already available?
The solution are already there but I would develop the Fuzzy optimization in real life problems with using operation research.

5 Expected results

What will come out of the project?

Solution is success, hesitation and failure of problems lies between 0 and 1.

6 References

J.F. Tang, D.W. Wang **Fuzzy optimization theory and methodology: A survey**
Control Theory and Applications, 17 (2000), pp. 159-164