Effective Data Retrieval From SQL By Use Of Fuzzy Logic

In a Glance

1) This is interdisciplinary project as I have used the ideas from Fuzzy Mathematics, Computer Science (RDBMS and .NET Technology)and Statistics.
2) Literature Survey reveals the fact that this method is devised first time
3) This method will remove the problems of data retrieval due to rigidity of SQL queries.
4) *The algorithm is developed by me and this is research element in the project.*
5) Rigid SQL queries are modified by use of fuzzy logic and the same rigid query is made to express semantic intent of the query.
6) Effective use of fuzzy logic for data retrieval in the sense we experience in reality.
7) *Software supporting the project work is developed.*
8) The software is user's friendly and it is developed by use of VB.NET
9) There are lot of facilities in the software which will allow to change the upper and lower boundaries of value of index of goodness. This increases the utility of the software. The software allows us to send a mail to student who is selected as an Ideal student.
10) The project speaks high about how simple ideas from fuzzy logic and fuzzy mathematics can be used for effective data retrieval from relational databases.
11) The software, created for the case study, is very useful at any Educational Institute to search for a *Ideal student*. Indeed as the search of ideal student depends not only on academic excellence but also on other parameters.
12) The software is implemented at 2 different schools in my region and the authorities of the schools are satisfied with the results of the software.
13) This work is converted in the form of research paper and communicated with research journal published by IIT , Roorkee , also this research paper is selected for presentation in National conference at Sawantwadi on 12th February 2011 on "Recent trends in Mathematics"

Future Plans :

1) To find various operations in DDL,DML where FUZZY LOGIC can be used effectively to improve effectiveness of SQL queries.
2) To develop similar need basedsoftware where rigidness of queries does not allow us to retrieve data which will express semantic intent of the query.