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Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_22267
Title of the Manuscript:	A Genetic Algorithm with Neighbourhood Search Exercise to Solve Integer and Linear Programming Problems
Type of the Article	Short Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	A lot of grammar mistakes and ambiguous statements. The manuscript need to be revised for these issues. The manuscript contains scientific errors like "better optimal solution" there is nothing called better optimal solution in optimization word there is only one and only one optimal solution for single objective problems. There may be alternative solutions with the same optimal value. The authors are not familiar with the optimization and genetic algorithm terminology. And hence many of the terminology used is not appropriate and many of the needed terminology is missing. Simplex method is a deterministic algorithm and thus it must give the optimal solution. While GA is an evolutionary algorithm so it cannot ever give you a better solution than Simplex. Excel cannot be used to compare the effectiveness of your algorithm since some times the simplex algorithm in excel will not run fully depending on the options you choose in the excel solver The author confuses the optimal solution with the best solution there is a big difference in the optimization terminology between the two. What the authors are doing is considered as an exercise on GA. They used very basic GA. Moreover, the concentration of the paper is on the software they developed not on the theory behind what they done.	1) All statements with better optimal have been deleted or changed to just optimal solution. I agree that there is only one optimal solution but it can happen that the optimal solution can be achieved with different combination values, yes the alternative solutions, as you comment. 2) A reference to John Holland Genetic Algorithms paper for any interested could find great information about the terminology and mechanics. 3) The options used in Excel Solver were the ones by default and will incorporate results from Lingo software . 4) Yes, this paper is concentrated more in the software development than on theory and the comparative study was to validate the results of the software that is a first effort to deploy a free application that runs on Android devices. During waiting for review of the paper I have managed to upload the app on Google play and now it can be downloaded for free. Further developments will include not just toy examples but more complicated examples. Some ones, like me, need first to learn to walk before running. I am an



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	Excel is not a commercial solver for LP and ILP, you may want to compare your software with Lingo for example. The examples that the authors used are called "toy problems" and thus cannot be used for comparison purposes. There are special benchmark problems for ILP and LP that the authors may use for comparison. They are available on the internet in special databases. I urge the authors to remove any statement that says that the evolutionary algorithm outperformed simplex method because this is totally wrong and it will never happen as Simplex method is an exact method that will guarantee you the optimal solution while evolutionary algorithms doesn't guarantee to find the optimal solution it may give you near optimal solution or the optimal some times. The results must be revised accordingly and Excel solver must not be used.	enthusiast of the genetic algorithm and I will continue using it but if I need to return to simplex method I will do it meanwhile the flexibility an easy to implement, I believe, it is good to keep working on it. Many thanks and hope the amendments will full fit your requests and comments.
Minor REVISION comments		
Optional/General comments		