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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 Neighborhood Search 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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	The authors have tried to develop an algorithm based on GA. It is a variant of GA. GUI is also good. 1. First, GA and other evolutionary algorithms are developed to solve NP hard problems i.e. for the problems which are not solvable by analytic method or iterative method in reasonable amount of time. Authors have tested the developed algorithm only on the problems which are also solvable otherwise, i.e. problems considered are very simple. Authors should consider benchmark problems. 2. Proper mathematical reasoning is not given for the crucial step given in equation (1), i.e. what is the logic behind defining crossover in that way? 3. The paper is not readable because of English grammar. Sentences are not properly formed. Moreover, proper reasoning is not given for the steps which are clear from linguistic point of view. 4. Paper is not well organized.	1. The proposed algorithm is the base for further development and it has been tested with simple problems to at least get feedback that it works and it is able to find, if not an optimal solution, a good approximation to the optimal solution. Further development and research will be conducted with hard benchmark problems. 2. The crossover mechanism implemented in this application is the one point crossover where a new individual inherits a set of genes, the ones to the left of the crossover point, from one parent and remain genes from the other parent, the ones to the right of the crossover point. Equation (1) is used just one time, at the beginning of the procedure and it helps the algorithm to accelerate the identification of the number of genes required in each situation and also to begin the GA process with a feasible solution or one close to it. A paragraph has been added to make clear this situation.



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		3. It has been conducted an extensive grammar verification and style check. 4. There was a duplicated section title and it has been now changed. The sections follows the suggested on authors guideline Introduction, Methods, Discussion, Conclusions, Acknowledgements and references Many thanks for your comments.
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