



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_57107
Title of the Manuscript:	Speed Control Analysis of BLDC motor using Modified Queen Bee Evolution Based Genetic Algorithm Tuned Fuzzy Knowledge Base Controller.
Type of the 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	<p>This research paper examines the ease and effectiveness of genetically tuned fuzzy controller and demonstrates the performance of a Brushless DC motor under different speed conditions. The effectiveness of Genetically Tuned Fuzzy controller has been proved in terms of BLDC parameter like rise time, peak overshoot and settling time by developing the Brushless DC motor drive model using MATLAB/SIMULINK Environment.</p> <p>This paper developed developed model of Brushless DC motor and the performance characteristics are analyzed by using modified queen bee based tuned fuzzy controller. During speed control analysis, the motor is in loaded condition and subjected to various operating speeds. Simulation results clearly shows that under dynamic operating conditions, modified queen bee based tuned fuzzy controller performs satisfactory in terms of rise time, settling time and Peak overshoot. All the simulation results are of theoretical aspects and can be utilized for practical implementation</p> <p>The article has good results. Unfortunately, the effectiveness of the Based Genetic Algorithm Tuned Fuzzy Knowledge Base Controller method has not been compared with other methods when evaluated on BLDC motors with the same parameters.</p>	
Minor REVISION comments	<ul style="list-style-type: none"> - The drawings are still very blurry. Math formulas have not yet been published in the correct format as prescribed by the Journal. - The figures do not have horizontal and vertical axis names. - Input parameters of the Genetic Algorithm Tuned Fuzzy Knowledge Base Controller are unclear. Detail: <ul style="list-style-type: none"> + Number of chromosomes, + Constraints of the problem + The figures do not have horizontal and vertical axis names - References are outdated (need to update recent references) 	
Optional/General comments	Agree to publish this paper, but need to edit according to the comments exchanged.	

PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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