

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_98645
Title of the Manuscript:	DESIGN AND IMPLEMENTATION OF OPTIMIZED CONTROLLER FOR E-VEHICLES
Type of the Article	Original 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:

(<https://www.journaljerr.com/index.php/JERR/editorial-policy>)

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes. The article covers the need for EVs, and the technology behind it.</p> <p>Yes. It suits the work.</p> <p>Abstract to be rewritten.</p> <p>Subsections and structure are appropriate.</p> <p>Fundamental design process is explained, but still needs more evidences of the design through equations.</p> <p>References are sufficient.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Grammatical errors to be checked and corrected.</p>	
<p>Optional/General comments</p>	<p>Literature to be cited in chronological order. Fundamentals about the converter topologies particularly buck and boost converter operations can be removed. Justify the choice of battery specifications. Check the specifications of the PMDC motor mentioned in Table 1. If the source is 24V, and motor is also 24V, then will it be sufficient to drive the motor under full load conditions? Justify how the frequency values tabulated in table 2 & 3 are arrived with the help of equations. (Though explained in section 5, equations supporting them are not evidenced). Check Figure 10. It is tiled as experimental set up, but the portrait of DSO only given. Complete experimental setup to be shown.</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
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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