

Review Form2

Book Name:	DESIGN AND ANALYSIS OF PREMIUM INDUCTION MOTORS
Manuscript Number:	Ms_BPR_2031
Title of the Manuscript:	DESIGN AND ANALYSIS OF PREMIUM INDUCTION MOTORS
Type of the Article	Complete Book

PART 1: Review Comments

Compulsory REVISION comments	Reviewer’s comment	Author’s Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.	- The textbook provides a clear and detailed structure, with a comprehensive table of contents that allows readers to easily navigate through different sections and chapters. - Each chapter is broken down into specific sub-sections, allowing for a focused and in-depth exploration of topics such as motor efficiency classes, design and simulation, and optimization techniques. - There appears to be some redundancy in the chapter titles and sub-sections, particularly between Chapters 4 and 5, both titled "Optimising Design to Reach IE3 Standard". This might confuse readers and give the impression of repetition. - While lists of tables and figures are mentioned, the actual content of these visual aids is not specified in the provided details. This could mean that the text may rely heavily on written descriptions, which might be less engaging for visual learners.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, May be changed to Design and Performance Optimization of Premium Induction Motors	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Emphasize the use of dedicated computation programs and Altair's FluxMotor software for experimental validation. Highlight the specific performance parameters analyzed, such as efficiency, speed, torque, temperature, and flux distribution.	
Are subsections and structure of the manuscript appropriate?	Yes, well structured, may be more better name can be choosen for sub title	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimumof 3-4 sentences may be required for this part.	International Efficiency (IE) classifications define the energy efficiency standards of electric motors, with IE3 and IE4 representing higher efficiency levels. This study investigates converting an IE2-class induction motor to IE3 and IE4 standards using advanced computational tools and Altair's FluxMotor software, evaluating performance parameters such as efficiency, speed, torque, temperature, and flux distribution. The results provide optimized designs for IE2, IE3, and IE4 standard induction motors,	

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	contributing to advancements in energy-efficient motor design.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Maintains the technical rigor and clarity required for scholarly communications.	
Optional/General comments	Contents looks more robust, May be reduced by selecting important technical headings	

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?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

Name:	S K Harisha
Department, University & Country	VTU, India