Review Form 3

Book Name:	Engineering Research: Perspectives on Recent Advances
Manuscript Number:	**Ms_BPR_ 4026**
Title of the Manuscript:	**Integration of CAD and FEA for Structural Optimization of a Flywheel**
Type of the Article	**Book chapter**

PART 1: 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. A minimum of 3-4 sentences may be required for this part.	This manuscript holds significant importance for the scientific community as it advances the understanding and application of computational techniques in the design and optimization of mechanical components, specifically flywheels. By integrating CAD and FEM methodologies, the study not only demonstrates the efficiency of modern simulation tools in reducing material usage and manufacturing costs but also provides a robust framework for addressing structural challenges in dynamic systems. The iterative optimization process and its outcomes contribute to the development of energy-efficient, durable designs, which are critical for industrial applications across various sectors. Additionally, the detailed analysis and methodology offer valuable insights for researchers and engineers seeking to refine design approaches for high-performance mechanical systems.	
Is the title of the article suitable? **(If not please suggest an alternative title)**	Yes. Its clear.	
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.	Yes. Few suggestios: The mention of 3D modeling and analysis is slightly repetitive. Consider streamlining these points to avoid redundancy.	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears to be scientifically accurate, as it presents a detailed methodology and robust use of computational tools like CAD and FEM for structural optimization.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. **-**	Suggestion: Replace or supplement older references with more recent works, especially in the areas of FEM advancements, material science, and industrial applications of flywheels.	
Is the language/English quality of the article suitable for scholarly communications?	The language quality of the article is generally suitable for scholarly communication, as it employs a formal and technical tone appropriate for the subject matter.	
Optional/General comments	This manuscript has significant potential to contribute to the fields of mechanical design and structural optimization.	

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:	**Ramesh Chandra Aditya Komperla**
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