

**Review Form 1.7**

Journal Name:	<b>Journal of Engineering Research and Reports</b>
Manuscript Number:	<b>Ms_JERR_106508</b>
Title of the Manuscript:	<b>Integrated Energy Use Optimisation and Cutting Parameter Prediction Model - Aiding Process Planning of Ti6Al4V Machining on the CNC Lathe</b>
Type of the Article	<b>Original Research Article</b>

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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)
<p><b><u>Compulsory</u></b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Author should provide appropriate literature and reference since last five years (2019-2023).</p>	
<p><b><u>Minor</u></b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes</p>	
<p><b><u>Optional/General</u></b> comments</p>	<p>The reviewer and Editors are appreciating the efforts made by authors to improve the quality of the manuscript and providing rebuttals/ suggestions to reviewers. However, I felt still need few modifications to improve readability and brevity.</p> <ol style="list-style-type: none"> <li>1. English of this paper needs a moderate amount of work. Word choices, grammar, lengthy statements, spelling have many errors.</li> <li>2. In the abstract it is suggested to use acronym 'IEUOCPPTM' in the first line and use its expansion in the open brackets for better statement.</li> <li>3. In abstract the word 'Matlab' instead recommend as 'MATLAB'</li> <li>4. In abstract "<i>Machining is a principal and electrical energy intensive activity in the profiling process of cylindrical components used in the aerospace....</i>", author should defined list of principle energies.</li> <li>5. In introduction "Thus, in this obtaining practice the methods are deficient....", what is obtained practice? It doesn't seem to be a technical term.</li> <li>6. Are there any specimen fixtures used during machining, if yes describe fixtures.</li> <li>7. Authors should specifies limitations and assumptions were considered while performing optimization technique.</li> <li>8. Are there any comparative studies done between experimental and simulation results. Please explain?</li> <li>9. Please avoid lengthy paragraphs in conclusions.</li> </ol>	

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**PART 2:**

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

**Reviewer Details:**

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