

**Review Form 3**

Journal Name:	<b>Asian Research Journal of Mathematics</b>
Manuscript Number:	<b>Ms_ARJOM_120657</b>
Title of the Manuscript:	<b>A Production Inventory Model for Fractionally Time-Dependent Demand Rate with Weibull Deterioration and Partially Backlogged Items</b>
Type of the Article	<b>Original Research Article</b>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b>Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.</b></p>	<p>This research will be an integral development for the production system as it will allow production managers to calculate the probability of demand, stocks and shortages in the production. This study will also help industries in managing the supply chain, operational costs and management aspects. Further, this study will help readers understand the techniques in inventory, backorders other related information with the help of the science of calculation and estimation.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The title of the research is suitable for the paper. It can easy be understood with the target clientele. The readers will have an easy grasp of the content by just reading the title of the research. The title is worth keeping.</p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>The abstract does not contain the methods of the study. It should provide a bird's eye view of the methods used in the study, though the abstract has already discussed the introduction and objectives of the study together with the result. Thus it is recommended that the author should incorporate at least a couple of sentences about the methods and processes that were used in the conduct and analysis of the study.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The paper is purely graphics. There are a lot of numeric details but these were not discussed elaborately in the discussion part.</p> <p>The sections of the IMRAD are not identifiable.</p> <p>There are some errors on the section of numbering particularly in the section: (7 Sections)</p> <p>The aim of developing a model is not achieved. The paper showed formulae but they were not vividly discussed for better understanding and appreciation of the material.</p> <p>The discussion of the paper needs more references and citations. The formulae should have been explained drawing out some literature that can expansively connect the needs of the target clientele.</p>	
<p><b>Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.</b></p>	<p>This manuscript is full of numeric data and formulae. Although, it has a clear objective and goal which is to create a model for projecting and analysing production inventory, yet it was not clearly explained in the discussion part.. The paper indeed showed statistical aspect but it has failed to show the rigor in the methods sections. The research design is somewhat not provided. No section for methods, instrument used, valid and reliable measurements tools. The author should also consider outlining the model that they have created and discuss the overview of the model. Provide future implications and delimitations.</p>	
<p><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p>	<p>The reference seems to be adequate, but not all references reflected in the reference section can be identified in the manuscript. The author should try to revisit the manuscript and recalibrate the citation procedures of the paper.</p>	

### Review Form 3

Minor REVISION comments <b>Is language/English quality of the article suitable for scholarly communications?</b>	The language use is clear.	
<b>Optional/General</b> comments	Please follow the IMRAD format of a simple research paper. Try to label your manuscript sections accordingly.	

### **PART 2:**

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