



SDI Review Form 1.6

Journal Name:	<a href="#">Journal of Advances in Mathematics and Computer Science</a>
Manuscript Number:	<b>Ms_JAMCS_51106</b>
Title of the Manuscript:	<b>Credit Card Fraud Detection Using Autoencoder Model in Unbalanced Datasets</b>
Type of the Article	<b>Original Research Article</b>

**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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<b>Compulsory</b> REVISION comments	<p>The Research Paper is Accepted and is Recommended for Publication with following revisions. Overall the quality, novelty and contribution cum results are encouraging and seems nice, but flow of the paper cum technical insights needs some more revisions and re-organizations.</p> <ol style="list-style-type: none"> <li>1. <b>Abstract- Highlight in the end, what results are observed in what parameters and in what percentage with regard to the Autoencoder Model proposed.</b></li> <li>2. <b>Under Introduction:</b></li> </ol> <p>Objectives the research</p> <ol style="list-style-type: none"> <li>1- Briefly introduce previous algorithms, used to detect fraudulent credit card transactions depends in machine learning.</li> <li>2- Adopt a new model for detecting financial fraud using deep Learning Algorithm called Autoencoders</li> <li>3- Present detailed experimental results to show the effectiveness of our approach and compare it with other techniques available in the literature.</li> </ol> <p><b>Kindly make the section more technical and elaborative, so that proper details can be observed. Proof read the section, as English is not Good.</b></p> <p><b>Add Organization of the paper after Introduction.</b></p> <ol style="list-style-type: none"> <li>3. <b>Under Literature review, highlight in separate section, at end, what Technical Gaps are observed in existing works which has led to the design of the proposed model.</b></li> <li>4. <b>After Literature review, highlight regarding the proposed model, Add Flowchart, Algorithm and other technical details of the model.</b></li> <li>5. <b>Add the section of experimentation after that. Highlight more information of Dataset.</b></li> <li>6. <b>Add Future scope to this paper.</b></li> <li>7. <b>Add the following reference to the paper:</b></li> </ol> <p>Alzubi, J., Nayyar, A., &amp; Kumar, A. (2018, November). Machine learning from theory to algorithms: an overview. In <i>Journal of Physics: Conference Series</i> (Vol. 1142, No. 1, p. 012012). IOP Publishing.</p>	
<b>Minor</b> REVISION comments		



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<b>Optional/General</b> comments		

**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:**

Name:	<b>Anand Nayyar</b>
Department, University & Country	<b>Duy Tan University, Vietnam</b>