



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Advances in Mathematics and Computer Science</a>
Manuscript Number:	<b>Ms_JAMCS_53845</b>
Title of the Manuscript:	<b>Proposing an Image Enhancement Algorithm Using CNN for Applications of Face Recognition System</b>
Type of the Article	<b>Method 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**

	<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>Compulsory</b> REVISION comments	<p>Today, Deep learning consider is one of the most important topics in computer science. It is used in many studies by researchers and authors in the field of machine learning because it has achieved good results in the field of classification and recognition. Below are some points which modified the paper</p> <ol style="list-style-type: none"> <li>1. The authors should provide a bit more detail on the learning algorithm used to train the network. Was simple stochastic gradient descent (SGD) used, or a more advanced optimization algorithm (e.g., RMS-Prop, Adam, etc.). If SGD was used, was there a momentum term? Did the authors incorporate weight decay or another regularization approach? Also, learning rates are reported to range from 0.5 to 1. Was the learning rate annealed over the number of epochs, and if so, why increase the learning rate (typically, the learning rate is lowered towards the end of training to reduce step size).</li> <li>2. The authors may consider providing a graph showing the loss/objective as a function of training epoch, to demonstrate that the neural network has been trained to convergence.</li> <li>3. The authors don't explain the structure of CNN such as (number of layers, the size of filter that used, ....)</li> <li>4. How were the training parameters (epoch number and batch size) decided?</li> </ol>	
<b>Minor</b> REVISION comments	<ol style="list-style-type: none"> <li>1. There are several formatting (especially in formulae ) and grammatical error, unclear statements/arguments, redundant sentences. So the authors must repeat writing the paper. So the paper should be re-read several times and by a native speaker to make it more readable and fluent</li> <li>2. Which database used in this work?</li> <li>3. The result and discussion are unconvincing and insufficient</li> <li>4. The authors must add their result to abstract section.</li> <li>5. In related works section, second pragraph the authors write (1-33) as sitation , How ? I think this section must rewrite and add some details.</li> <li>6. The orgnized of paper must put in the end of introduction section not at end of related works.</li> <li>7. Some figures inclear ?</li> <li>8. Section number must correct for ex. (2.1. Module A: Preprocessing Image change to 3.1)</li> <li>9. " Face detection and alignment" must write as subsection (3.2.1)</li> </ol>	



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<b>Optional/General</b> comments	<ol style="list-style-type: none"> <li>1. Formatting of equations are poor:</li> <li>2. These figures are quite blurry, the authors should consider saving the figures in eps format, which is much better suited to line art, as opposed to jpg (I'm assuming that's the format of the image).</li> <li>3. I suggesting authors to add the following refernce "Saad Albawi; Tareq Abed Mohammed, Saad Al-Zawi, proceeding of 2017 International Conference on Engineering and Technology (ICET)."</li> </ol>	

**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:**

Name:	<b>Saad Albawi</b>
Department, University & Country	<b>University of Diyala, Iraq</b>