



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Research in Computer Science</a>
Manuscript Number:	<b>Ms_AJRCOS_43523</b>
Title of the Manuscript:	<b>OFFLINE GESTURE RECOGNITION SYSTEM FOR YORÙBÁ NUMERAL COUNTING</b>
Type of the Article	<b>Original Research Paper</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	<ul style="list-style-type: none"> <li>- There is too little number of references cited in part 1.0 &amp; 2.0 of this paper. Cite more references. Perform detail breadth and depth of the past research work. Make comparative studies to highlight the weakness of the past research work and provide clear justification on the author's work (why YSL is important to be highlighted)</li> <li>- Revise figure 1 and 4 as it is not consistent (put attention in drawing the flowchart)</li> <li>- Rewrite the formula, instead of putting image (section 3.3.1). It is shown below:</li> </ul> <p><b>3.3.1 Canny Edge Detection</b></p> <p>Canny edge detection is a Gaussian-based technique that searches for the zero crossing in the second derivatives of an image. Canny edge detection method was employed for the segmentation process. This is with the view to extracting features that uniquely identify the gesture images. The algorithm used involved the following steps, (1) a Gaussian filter was applied to smoothen the images so as to obtain a better-segmented edge. (2) The gradient of magnitude and orientation was computed using a finite-difference approximation for the derivatives and; (3) Non-maxima suppression was applied to the gradient magnitude. The image smoothening was computed as input <math>I_{ij}</math> image and the Gaussian filter was applied which are denoted as <math>G[i, j, \sigma]</math> where <math>\sigma</math> is the distribution of the Gaussian and it also controls the degree of smoothing. The result obtained from the convolution of <math>I_{ij}</math> with <math>G[i, j, \sigma]</math> gives a set of smoothed data as shown in Equation 1</p>	<p>We appreciate your comments and all the highlighted comments have been addressed.</p> <p>More references have been cited in part 1.0 and 2.0 and comparative analysis of literature have addressed.</p> <p>Figure 1 and 4 have been revised as suggested</p> <p>The equations in subsection 3.3.1 have been re-written in equation form and the resolution has been revised.</p>
<b>Minor</b> REVISION comments	<ul style="list-style-type: none"> <li>- Again, rewrite the formula</li> </ul> $\text{Recall} = \frac{T_P}{T_P + F_N} \quad (1)$ <hr/> <p>PRECEDENT REVIEW</p> $\text{Precision} = \frac{T_P}{T_P + F_P} \quad (2)$ $\text{Accuracy} = \frac{T_P + T_N}{T_P + T_N + F_P + F_N} \quad (3)$	
<b>Optional/General</b> comments	Improve your paper.	



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**PART 2:**

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