



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	Ms_BJAST_24303
Title of the Manuscript:	Comparative Analysis of Back Propagation Neural Network and Self Organizing Feature Map in Estimating Age Groups using Facial Features
Type of the Article	Original Research Article

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)
Compulsory REVISION comments	• Give the specific reason why the Incorrectly Classified ratio is more. • Is the database is normalized if yes? Give the specific explanation • Under what circumstances the database is created. • Discuss the dominant features for face image which is help full for classification.	• The incorrectly classified ratio is more because in age group 31 – 50, [4] the incorrectly classified is more because this stage does not fall within the formative years i.e. there are no distinctive changes in the face texture. • The database was normalized. Image normalization helps to reduce the effect of redundant information such as background, hair etc. so as to enhance the classification process. • The database used for this work was created from the images from FG-NET database. Images with different ages from ages 0 – 69 was used from the database. • The dominant features used for classification in this work is the global features. Global features uses the appearance and shape of the face image.
Minor REVISION comments	➤ What is the Performance for other classifiers ➤ Author has to clarify how the feature set are scaled and classified using different neural network classifiers. ➤ What are the precautions may be taken for noisy data, intra-class variations and non-universality	➤ The performance for other classifiers is not included because the authors were trying to evaluate the performance of two algorithms. This was done in the previous work of the author [4] ➤ Ok ➤ The preprocessing stage takes care of that. (Filtering etc.)



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<u>Optional/General</u> comments	➤ Recent referencing work may be incorporated because lot work has been done using PCA and multidimensionality features. ➤ Elaborate the Literature review part for giving specific region for publications of this work	➤ Ok ➤ Ok. Review was done on line 45 – 59
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