



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_48716
Title of the Manuscript:	An Investigation of the Use of Eigenvalues in Human Face Modeling for Recognition Tasks
Type of the 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		
Minor REVISION comments	<p>The authors presented an interesting idea the eigenvalues for human face recognition and Probabilistic neural network is used for classification. The presented work is in well manner and can be accepted for publications, however, the following minor changes should be incorporated for the betterment of the paper: Reviewer comments</p> <ol style="list-style-type: none"> 1. add more keywords 2. In introduction section 1 Kindly mention in last paragraph of introduction section about the organization of the all subsections used in the article. 3. In introduction section 1 Kindly mention Your contributions in such a way as given bellow for better understanding <ul style="list-style-type: none"> • Firstly, • Secondly ----- • So on ----- • Lastly 4. All the figures and tables should be adjusted properly in the paper 5. Figure 1 and 2 drawn professionally 6. If possible kindly briefly describe the theoretical and mathematical background of Probabilistic neural network 7. compared your work with sate of the art methods 8. Why the authors used this method for recognition? 9. Some of the references are having incomplete information; kindly mention all related information in all references. 10. use the same format in all references 11. Kindly also mention about future word after the conclusion. 12. Add these references which are most related to your work <p>1- Amin UI Haq et.al "A Hybrid Intelligent System Framework for the Prediction of Heart Disease Using Machine Learning Algorithms", Mobile Information Systems,vol:2018,pages 21, 2,December 2018</p> <p>2- Amin UI Haq et.al, "Feature Selection Based on L1-Norm Support Vector Machine and Effective Recognition System for Parkinson's Disease Using Voice Recordings" IEEE Access, issue date December 2019, volume: 7, Issue: 1,on page(s)37718-37734, Print ISSN:2169-3536.</p> <p>3- Amin UI Haq et.al ,Comparative Analysis of the Classification Performance of Machine Learning Classifiers and Deep Neural Network Classifier for Prediction of Parkinson Disease, 2018 15th International Computer Conference on Wavelet Active Media Technology and Information Processing(ICCWAMTIP),IEEE,14-16Dec.2018.</p>	<p>Thanks a lot for your valuable comments. My answers as the following:</p> <ol style="list-style-type: none"> 1. I mentioned five key words, which I believe that they cover all the aspects discussed in the paper. However, I added one additional key word, Which is " image feature extraction". 2. In the end of the introduction section, I added a one paragraph contains the organization of the all subsections used in the article. 3. In penultimate paragraph in the introduction section my contribution is mentioned in the same manner as you requested. (line 56, 57, 58) 4. Done and all the figures and tables are adjusted properly. 5. Done. 6. That is right, the description of the theoretical and mathematical background of probabilistic neural network is important, but I believe that the background of NN is widely presented and discussed in literature. However, in the second section (Method), point 4 (Classification) I mentioned briefly how the PNN use the feature vector to define the classes. (line 98-102). In the future work this issue will be more described in details. 7. In the last decades, many methods and algorithms were proposed for face recognition with different level of performance, and they are totally distinct in the method or the concept, and each method has its strength and weakness. I used three databases, which used by most of the researchers, and investigated the results applying the proposed method. I have chosen to compare between the MAF filters used in the method, which is more useful for the study. 8. The motivation behind using this method is clarified in the second section of this paper (Method), first paragraph. 9. Done 10. Done 11. In the conclusion section I added one paragraph (the last paragraph) about the future work. 12. Done.(line 55) <p>P.S.: All corrections were highlighted in yellow in the origin text.</p>



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Optional/General comments		

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>	