Review Form 3

Journal Name:	**Asian Journal of Research in Computer Science**
Manuscript Number:	**Ms_AJRCOS_129756**
Title of the Manuscript:	**GENDER DETECTION USING MACHINE LEARNING BASED ON FINGERPRINTS: REVIEW**
Type of the Article	**Review Paper**

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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<mark>**Important Policies Regarding Peer Review**</mark>

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<mark>**PART 1:**</mark> **Comments**

	Reviewer's comment	Author's Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript addresses an emerging area of research: gender detection using machine learning techniques applied to fingerprint biometrics. The review provides a comprehensive comparative analysis of various studies, offering insights into the effectiveness of different machine learning models and feature extraction methods. It highlights significant challenges such as dataset imbalances and limited diversity while offering actionable recommendations for future research. The manuscript contributes to advancing biometric systems' accuracy and inclusivity, making it highly valuable for both academic and practical applications in the field.	
Is the title of the article suitable? **(If not please suggest an alternative title)**	The current title, "GENDER DETECTION USING MACHINE LEARNING BASED ON FINGERPRINTS: REVIEW," is appropriate for the content. However, a more precise alternative could be: "A Review of Gender Detection Using Machine Learning Techniques on Fingerprint Biometrics."	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is comprehensive and effectively summarizes the key points of the manuscript, including the use of machine learning techniques, challenges, and future directions. However, it could benefit from a clearer mention of the primary datasets and specific deep learning models discussed to provide a more detailed overview for readers.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically sound, providing a thorough exploration of the topic with accurate descriptions of machine learning techniques and biometric methodologies. The comparative analysis and structured approach enhance its credibility. No significant inaccuracies were identified.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient and cover recent and relevant studies in the field. However, incorporating additional sources on emerging deep learning frameworks like Transformer models and their applications in biometrics could further enrich the discussion.	

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Is the language/English quality of the article suitable for scholarly communications?	The language quality is suitable for scholarly communication, with clear and concise expression throughout. Minor proofreading to correct occasional redundancies and ensure consistent terminology (e.g., standardizing "deep learning models" and "machine learning classifiers") would improve readability.	
Optional/General comments		

<mark>**PART 2:**</mark>

	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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**Ram Kumar Solanki**
Department, University & Country	**Sandip University , India**