

Review Form 3

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|--------------------------|---|
| Journal Name: | Asian Journal of Research in Computer Science |
| Manuscript Number: | Ms_AJRCOS_127882 |
| Title of the Manuscript: | Exploring Generative AI: Models, Applications, and Challenges in Data Synthesis |
| Type of the Article | |

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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PART 1: Comments

| | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|--|--|---|
| 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 provides an overview of GenAI, including its models and applications. The study seems to place an emphasis on using metrics such as IS and FID, while also approaching ethical problems. The scientific relevance of this article comes from it addressing aspects of VAEs, GANs and Auto-Regressive models. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | Suitable | |
| 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. | Could be improved by addressing model instability or ethical concerns | |
| Is the manuscript scientifically, correct? Please write here. | Yes | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | Maybe include citations for diffusion models for something more recent | |
| Is the language/English quality of the article suitable for scholarly communications? | Yes | |
| Optional/General comments | <ul style="list-style-type: none"> - Great at helping to understand emerging trends in GenAI models - Expanding on emerging trends could make this work even more impactful. | |

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

Reviewer Details:

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|----------------------------------|---|
| Name: | Sai Challagundla |
| Department, University & Country | Glenn High School, Unites States of America |