

Review Form 1.7

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| Journal Name: | Journal of Engineering Research and Reports |
| Manuscript Number: | Ms_JERR_112868 |
| Title of the Manuscript: | Research on non-cooperative target image segmentation |
| Type of the Article | |

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) |
|--|---|--|
| <p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p>1. The paper addresses the increasing number of failed satellites in space, which is a relevant and significant issue in the field of space exploration. The proposed segmentation method contributes to the scientific community's understanding of improving satellite management and safety.</p> <p>2. The title seems appropriate as it reflects the paper's core topics. However, the author may choose one of the following suggestions: “Image Segmentation Solutions for Improved Non-Cooperative Target Recognition” or “A Cutting-Edge Analysis of Non-Cooperative Target Image Segmentation Techniques” or “Innovative Approaches to Non-Cooperative Target Imaging: A Segmentation Study”</p> <p>3. The abstract provides a concise overview of the problem statement, methodology, and key findings. It outlines the challenges in visual measurement, introduces the use of convolutional neural networks (CNNs) for target detection, and describes the proposed image segmentation method.</p> <p>4. The paper is organized logically, with clear subsections such as Introduction, Research Methodology, and Experimentation and Analysis.</p> <p>5. The paper seems scientifically sound, with a clear description of the research methodology, dataset creation, model training, and image segmentation processes.</p> <p>6. I appreciate the thorough literature review presented in the introduction; however, I would like to suggest a more balanced distribution of references throughout the paper. This approach could further strengthen the support for specific points and enhance the overall credibility of the research. Integrating references in relevant sections, such as the methodology, results, and discussion, would provide a more comprehensive and well-rounded support for your work.</p> | <p>Type of the Article : Original Research Article.</p> <p>Title: Image Segmentation Solutions for Improved Non-Cooperative Target Recognition.</p> <p>I deleted some old references.</p> <p>I have included a comparison between the method of this paper and the traditional method in my experiments to show the advancement of this paper.</p> |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>English Language revision is needed.</p> | <p>I'll keep trying to learn English.</p> |
| <p>Optional/General comments</p> | | |

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PART 2:

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| | 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> | |