

**Review Form 1.7**

Journal Name:	<b>Journal of Engineering Research and Reports</b>
Manuscript Number:	<b>Ms_JERR_115716</b>
Title of the Manuscript:	<b>Weapon D - A Hybrid Approach for Detecting Weapons in Dark Environments using Deep Learning Techniques</b>
Type of the Article	<b>Original Research Article</b>

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>The topic of study is good, and the organization of the paper is acceptable. However, the literature review section are insufficient. Some important references below definitely need to be added.</p> <p>+ "A novel intelligent traffic recovery model for emergency vehicles based on context-aware reinforcement learning"</p> <p>+ "Robust weapon detection in dark environments using Yolov7-DarkVision"</p> <p>+ "Hybrid algorithms based on combining reinforcement learning and metaheuristic methods to solve global optimization problems"</p> <p>Additionally, information on how the parameters is tuned should be provided. This study can be referenced.</p> <p>+ "Tuning Hyperparameters of Machine Learning Algorithms and Deep Neural Networks Using Metaheuristics: A Bioinformatics Study on Biomedical and Biological Cases"</p> <p>Add the following references for feature selection and extraction.</p> <p>+ "Chaotic sand cat swarm optimization"</p> <p>+ "Multiclass feature selection with metaheuristic optimization algorithms: a review"</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	Needs major revision and basic proofreading	
<p><b>Optional/General</b> comments</p>	Accept with revision	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

## Review Form 1.7

### Reviewer Details:

Name:	<b>Ferzat Anka</b>
Department, University & Country	<b>Data Science Application and Research Center, Fatih Sultan Mehmet Vakif University, Turkey</b>