

Review Form 3

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_124230
Title of the Manuscript:	Autonomous Vehicle Navigation: Integrating Fuzzy Logic Training with Neural Networks for Optimized Performance
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:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

Review Form 3

PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	Enhanced Decision-Making: Fuzzy logic allows for reasoning under uncertainty, enabling the vehicle to make more nuanced decisions in complex environments. Improved Learning Efficiency: The combination of fuzzy logic and neural networks can lead to faster convergence and improved learning rates during training.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title was 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.	The abstract was adequate and brief	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The combination of fuzzy logic and neural networks can lead to faster convergence and improved learning rates during training.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	All the references was applicant and appropriate in This paper	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	The English language quality is good	
Optional/General comments	Insights lead to the development of a detailed optimization protocol. This protocol aims to identify the most suitable neural network configuration tailored to the specific problem and hardware limitations. These findings contribute to advancing the efficiency and effectiveness of autonomous vehicle navigation systems.	

Review Form 3

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>	

Reviewer Details:

Name:	Methaq hadi Lafta
Department, University & Country	Iraq