

### Review Form 3

Journal Name:	<a href="#">Asian Journal of Advanced Research and Reports</a>
Manuscript Number:	Ms_AJARR_127166
Title of the Manuscript:	ARTIFICIAL NEURAL NETWORK BASED PERFORMANCE PREDICTION SYSTEM FOR SPARK IGNITION ENGINES
Type of the Article	Original Research 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

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>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.</b>	Yes <ul style="list-style-type: none"> <li>The title implies a detailed investigation and application of ANN, which suggests a strong interdisciplinary approach involving machine learning and engine mechanics.</li> <li>It would be beneficial if the paper discusses the types of performance parameters predicted (e.g., fuel efficiency, emissions, power output).</li> </ul>	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Yes The title is clear and concise, accurately reflecting the study's focus on ANN and spark ignition engines.	
<b>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.</b>	Yes The integration of Artificial Neural Networks (ANN) in predicting engine performance is highly relevant to modern advancements in automotive and AI technologies.	
<b>Are subsections and structure of the manuscript appropriate?</b>	Yes	
<b>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.</b>	The paper is well structured.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	Sufficient but not all references are recent	
<b>Minor</b> REVISION comments	Yes	
<b>Is the language/English quality of the article suitable for scholarly communications?</b>		
<b>Optional/General</b> comments		

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

#### Reviewer Details:

Name:	<b>Pankaj Balasaheb Gavali</b>
Department, University & Country	<b>Rajarambapu Institute of Technology, India</b>