

Review Form 3

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_121656
Title of the Manuscript:	Integration of Non-Destructive Testing Techniques and Machine Learning Algorithms for Enhanced Structural Health Monitoring of Bridges
Type of the Article	Short Journal 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: 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.	Author details are not found in this article which make me surprised. Integration of NDT and machine learning very basic level discussed.	
Is the title of the article suitable? (If not please suggest an alternative title)	Very less standard	
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.	Satisfactory	
Are subsections and structure of the manuscript appropriate?	Insufficient	
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.	<p>The article provided discusses the integration of non-destructive testing (NDT) techniques and machine learning algorithms for enhanced structural health monitoring (SHM) of bridges.</p> <p>Pros:</p> <p>Non-Destructive Testing (NDT) Advantages:</p> <ul style="list-style-type: none"> ○ Preservation of Material Integrity: NDT techniques allow for the inspection of bridges without altering or damaging the materials, making them reusable. ○ Cost-Efficiency: NDT is more cost-effective compared to destructive testing as it avoids damaging the specimen, which can be costly to repair or replace. ○ Real-Time Monitoring: NDT methods, such as ultrasonic and visual testing, allow for ongoing monitoring without disrupting the use of the bridge. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References are not sufficient. Need to be added	
<u>Minor</u> REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Satisfactory	
<u>Optional/General</u> comments		

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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:

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