

Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_144516
Title of the Manuscript:	Impact Resistance of Pavement slabs reinforced with polyethylene terephthalate (PET) mesh
Type of the Article	Original Research Article

General guidelines for the Peer Review process:

Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.

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: Comments

	Reviewer's comment Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.	Author's Feedback (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. A minimum of 3-4 sentences may be required for this part.	Resistance to impact loading of concrete slabs reinforced with polyethylene terephthalate (PET) mesh. Rectangular slabs measuring 300mm x 300mm x 30mm were reinforced with PET mesh of varying spacing (25mm c/c, 50mm c/c, 75mm c/c and 100mm c/c) positioned at the mid-depth of the slabs. Specimen identifications and calculated impact properties are definitely a quality research data.	
Is the title of the article suitable? (If not please suggest an alternative title)	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.	No need of addition or deletion	
Is the manuscript scientifically, correct? Please write here.	Yes correct. Based on the results and observations of the experimental investigations on the use of PET mesh to improve the impact crack resistance of concrete pavement slabs, there are seven conclusions given.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Sufficient	
Is the language/English quality of the article suitable for scholarly communications?	Suitable	
Optional/General comments	How PET is not hazardous to the environment as this is a plastic material.	

PART 2:

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	Reviewer's comment	Author's Feedback (It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in detail)</i> No ethical issues	
Are there competing interest issues in this manuscript?	No competing interest issues.	
If plagiarism is suspected, <u>please provide related proofs or web links.</u>	No	

PART 3: Declaration of Competing Interest of the Reviewer:

Here reviewer should declare his/her competing interest. If nothing to declare he/she can write "I declare that I have no competing interest as a reviewer"

PART 4: Objective Evaluation:

Guideline	MARKS of this manuscript
Give OVERALL MARKS you want to give to this manuscript (Highest: 10 Lowest: 0) <u>Guideline:</u> Accept As It Is: (>9-10) Minor Revision: (>8-9) Major Revision: (>7-8) Serious Major revision: (>5-7) Rejected (with repairable deficiencies and may be reconsidered): (>3-5) Strongly rejected (with irreparable deficiencies.): (>0-3)	8.9

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Editorial Comments (This section is reserved for the comments from journal editorial office and editors):

	Author's Feedback

Reviewer Details:

This section is mandatory to prepare the Reviewer Certificate.
Please complete this section carefully. Reviewer Certificate will be generated by using this information only.
Your Certificate will be wrong, if you provide incorrect information.
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Name of the Reviewer	M VI.JAYAKUMAR
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University or Institution of Reviewer	DOTe Affiliate institution
Country of Reviewer	India
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Write 5-8 Keywords regarding expertise of Reviewer	Polymer composites, Mechanical properties, Data Analysis, Statistical analysis, Machine learning