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| Journal Name: | [**Asian Journal of Advanced Research and Reports**](https://journalajarr.com/index.php/AJARR) |
| Manuscript Number: | **Ms\_AJARR\_133305** |
| Title of the Manuscript: | **Investigation on the Shear Performance of Concrete Beams Reinforced with Glass Fiber Reinforced Polymer (GFRP) Bars** |
| Type of the Article | **Original Research Article** |

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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** *(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. A minimum of 3-4 sentences may be required for this part.** | | **This research is important in that it reveals the positive effect of using GFRP bars as a longitudinal and shear reinforcement in improving the shear strength of concrete beams reinforced with these bars compared to concrete beams reinforced with steel bars.** | | | Thank you for your time in reviewing the manuscript.! |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | | **yes** | | | Very well, thank you. |
| **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 is comprehensive but lengthy. I suggest shortening the following paragraphs:**   1. **“The research examined how these test variables affect failure modes, mid-span deflection, shear crack propagation, shear capacity, and strain energy dissipation in stirrups and longitudinal reinforcement of the RC beams subjected to a four-point monotonic loading test”** 2. **The estimated average experimental-to-predicted shear capacity ratio (VExp/VPred) was 1.44, with a standard deviation (SD) of 0.17 and a coefficient of variation (COV) of 11.79%, indi-cating that ACI 440 provided conservative shear predictions with reasonable consistency.**   **Avoid repeating the description of the samples at length.** | | | Thank you very much for the comments. Corrections have been made. |
| **Is the manuscript scientifically, correct? Please write here.** | | **Yes, the manuscript is scientifically correct.** | | | Very much appreciated. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention**  **them in the review form.** | | **Yes, the references are sufficient and recent.** | | | Thank you! |
| **Is the language/English quality of the article suitable for scholarly communications?** | | **Yes, the language/English quality of the article is suitable for scholarly communications.** | | | I am grateful for your comment! |
| **Optional/General** comments | | 1. **The abstract needs to be brief and concise, yet comprehensive in its description of the manuscript and its results.** 2. **It is not mentioned why three identical models were used in their specifications: (BGF3, BGF4 and BGF5) as shown in Table 1.** 3. **The number of samples studied is small in order to obtain comprehensive results for the behavior of beams in general.** 4. **It would have been better to expand the study by studying different reinforcement ratios as well as different concrete resistance values instead of limiting it to only two values.** 5. **The researcher did not mention why the effect of changing the longitudinal reinforcement only was studied and the effect of changing the shear reinforcement was not studied.** 6. **It is preferable to create a steel rebar sample with a longitudinal reinforcement ratio of 1.13 to compare it with GFRP reinforced samples with the same longitudinal reinforcement ratio.** | | | Thank you for your valuable feedback!  The abstract has been revised to ensure clarity and conciseness.  The sample size was limited due to financial constraints and the handling of the specimens during casting and testing, as this study was conducted as part of a postgraduate research project.  Furthermore, this publication is part of an ongoing research effort. A follow-up manuscript, to be submitted by my colleague (with me as a co-author) to your highly esteemed journal, will expand on this study by incorporating additional concrete strengths, varying shear reinforcement ratios, and a hybrid GFRP-steel reinforcement approach with a broader range of reinforcement configurations.  Thank you. |
| **PART 2:** | | | | | |
|  | | **Reviewer’s comment** | **Author’s comment** *(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)* | | |
| **Are there ethical issues in this manuscript?** | | *(If yes, Kindly please write down the ethical issues here in details)* |  | | |