











Fig. 3 Variation of bond strength for different percentage steel fiber content in the repairing medium

## 6. Conclusions

Based on the experimental investigation the following conclusions are drawn.

1. Increase in grade of concrete increases the bond strength.
2. Increase in fiber content in the repairing medium increases the bond strength.
3. The influence of fiber content is more in M20 grade concrete than in M30 grade of concrete.
4. Toughness increases with fiber content in the repairing medium, however the increase reduces beyond 0.8% fiber content.
5. Slant shear test represents the interfacial bond characteristics between old concrete and new concrete.

## 7. Acknowledgement

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## 8. Reference

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