

DECLARATION

I, **Raghottam Manoj Sattigeri**, hereby declare that, the work incorporated in the present thesis is original and has not been submitted to any other University/Institution for the award of a Diploma or Degree.

I further declare that, the results presented in the thesis and considerations made therein contribute in general to the advancement of knowledge in topological insulating phase in some bulk and low dimensional materials and their application as energy materials.



(Raghottam Manoj Sattigeri)

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