Declaration

I, Tanna Hemangkumar Pravinkumar, hereby declare that the work incorporated in the present thesis titled 'RATIONAL DESIGN OF TRANSITION METAL SINGLE-ATOM CATALYST USING DENSITY FUNCTIONAL THEORY' is original and has not been submitted to any other University/Insitution for the award of a Diploma or Degree.

I further declare that the results presented in the thesis and consideration made therein contribute in general to the advancement of knowledge behind the underlying physics and the fundamental properties of transition metal based single-atom catalyst towards some prime chemical reaction.

Sign: *H. P. Tanna*
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Date: 06/06/2024
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