

Prof. Prafulla Kumar Jha
Phone(O): +91-265-279-5339
Fax: +91-265-279-2277
E-mail: prafullaj@yahoo.com



Department of Physics,
Faculty of Science,
The Maharaja Sayajirao
University of Baroda,
Vadodara, Gujarat - 390002

CERTIFICATE

This is to certify that, the thesis entitled, ‘**Rational Design of Transition Metal Single-Atom Catalyst using Density Functional Theory**’ being submitted to, The Maharaja Sayajirao University of Baroda, Vadodara; by **Tanna Hemangkumar Pravinkumar** for the award of Doctoral degree in Physics. The thesis is a report of original research work and has been carried out by the candidate under my guidance and supervision.

I further certify that, the work has not been submitted either partially or fully to any other University/Institution for the award of any Degree or Diploma.

(Prof. Prafulla Kumar Jha)

PhD Supervisor

Sign:

Date: 06/06/2024
