

Certificate of the Supervisor

This is to certify that the work entitled “**Ab-initio Investigations on Structural, Electronic, Transport and Optical Properties of Bimetallic Nano Structures such as Au-Pd, Au-Ag, Au-Pt**” is a piece of research work done by **Ms. Mudra R. Dave** under my guidance and supervision for the degree of Doctor of Philosophy of The M.S. University of Baroda, Vadodara. The candidate has put in an attendance of more than 200 days with me.

To the best of my knowledge and belief the thesis:

- (1) Embodies the work of the candidate himself,
- (2) Has duly been completed,
- (3) Fulfils the requirement of the ordinance relating to the PhD degree of the university and
- (4) Is up to the standard both in respect of contents and language for being referred to the examiner.

Signature of Supervisor
Prof. A C Sharma

Forwarded through the Head and Dean

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