



Certificate of the Supervisor

This is to certify that the work entitled “**Ab-initio Investigations on Transport Properties of Semiconductor Nanostructures**” is a piece of research work done by **Mr. Sagar K. Ambavale** 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

Head
Physics Department

Forwarded through the Head and Dean

Head,
Physics Department,
The M. S. University of Baroda,
Vadodara- 390002.

Head
Physics Department

Dean,
Faculty of Science,
The M. S. University of Baroda,
Vadodara-390002.

DEAN
Faculty of Science