

# CERTIFICATE

This is to certify that the thesis entitled An Investigation on Harmonics and Active/Reactive Power of Asymmetrical Operation of 12-Pulse Converter and Mitigation of Harmonics, which is being submitted by Pramod S. Modi in fulfillment of the Degree of DOCTOR OF PHILOSOPHY in Electrical Engineering Department, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda, Vadodara is a bonafied record of investigations carried out by him in the department of Electrical Engineering, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda, Vadodara has been carried out by him under my supervision and guidance. In my opinion the standards fulfilling the requirements of the Ph.D. Degree as prescribed in the regulations of the University has been attained.

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