

# ***Certificate***

This is to certify that the thesis entitled, "Integration of cryptographic algorithms with communication protocols for security in 3G mobile communication" submitted by **Shri Kiran R.Parmar** in fulfillment of the degree of **DOCTOR OF PHILOSOPHY** in Electrical Engineering Department, Faculty of Technology & Engineering, The M. S. University of Baroda, Vadodara is a bonafide record of investigations carried out by him in the Department of Electrical Engineering, Faculty of Technology & Engineering, M. S. University of Baroda, Vadodara under my guidance and supervision. In our opinion, this has attained the standard fulfilling the requirements of the Ph.D. Degree as prescribed in the regulations of the University.



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