



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING,  
FACULTY OF TECHNOLOGY & ENGINEERING,  
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA,  
VADODARA - 390 001 (INDIA)  
+91-265-2434188 (EXT. 405)

## CERTIFICATE

This is to certify that Ms. POPAT KHUSHI JAGDISHBHAI has worked under my guidance to prepare the thesis entitled "*Security Enhancement of Multipath TCP by using off path active attacks prevention*" which is being submitted herewith towards the requirement for the degree of Doctor of Philosophy in Computer Science & Engineering, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, Vadodara.

Dr. Viral Kapadia,  
Supervisor,  
Department of CSE

Prof. (Dr.) Apurva Shah,  
Head,  
Department of CSE

Prof. (Dr.) Dhanesh Patel  
Dean,  
Fac. of Tech. & Engg.

Offg. Head  
Department of Computer Science & Engineering  
Faculty of Technology & Engineering  
The M. S. University of Baroda  
Kalabhawan, Vadodara - 390004.

DEAN  
Faculty of Tech. & Engg.  
M. S. University of Baroda,  
VADODARA.