



**DEVELOPMENT OF NEW STRATEGIES FOR REAL  
TIME EMBEDDED SPEECH ENHANCEMENT AND  
DETECTION FOR WIRELESS COMMUNICATION**

*A thesis submitted for the award of the  
Degree of*

***DOCTOR OF PHILOSOPHY  
in  
Electrical Engineering***

***By  
Jigar H. Shah***



Electrical Engineering Department  
Faculty of Technology and Engineering  
The Maharaja Sayajirao University of Baroda  
Vadodara – 390 001  
Gujarat, India  
**November – 2011**