

**DESIGN AND IMPLEMENTATION OF DSP  
BASED CONTROL OF HYBRID CASCADED  
MULTILEVEL INVERTER USING VARIOUS  
NOVEL PULSE WIDTH MODULATION  
TECHNIQUES**



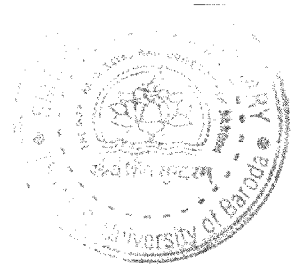
*A*  
*Thesis submitted for the award of the Degree*  
*of*  
**DOCTOR OF PHILOSOPHY**  
*In*  
*Electrical Engineering*

**By**  
**Mrs. Meeta K. Matnani**



**ELECTRICAL ENGINEERING DEPARTMENT  
FACULTY OF TECHNOLOGY AND ENGINEERING  
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA,  
VADODARA-390001  
GUJARAT, INDIA**

**FEBRUARY 2014**



**DESIGN AND IMPLEMENTATION OF DSP  
BASED CONTROL OF HYBRID  
CASCADED MULTILEVEL INVERTER  
USING VARIOUS NOVEL PULSE WIDTH  
MODULATION TECHNIQUES**

*A*  
*Thesis submitted for the award of the Degree*  
*of*  
*DOCTOR OF PHILOSOPHY*  
*In*  
*Electrical Engineering*

**By**  
**Mrs. Meeta K. Matnani**



**ELECTRICAL ENGINEERING DEPARTMENT  
FACULTY OF TECHNOLOGY AND ENGINEERING  
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA,  
VADODARA-390001  
GUJARAT, INDIA  
FEBRUARY 2014**