



# Indian Institute of Technology Madras

*hereby confers the degree of*  
**Doctor of Philosophy**  
*of the Institute*  
*on*

**K NARASIMHULU**

*for successfully completing the prescribed programme of study and*  
*presenting the thesis entitled*

**CHARACTERIZATION AND EVALUATION OF NATURAL AND CALCINED  
ZEOLITE FOR THEIR USE IN HIGH PERFORMANCE CONCRETE**



OE03D003

*Given this day the Twentyfifth of July, 2008*  
*under the seal of the Institute.*



*[Signature]*  
Registrar



*[Signature]*  
Director

*[Signature]*  
PRINCIPAL  
Aditya Engineering College  
SURAMPALEM

*R. Chidambaram*  
Chairman, Board of Governors