

**DESIGN METHODOLOGY OF A CONTROLLER FOR THE IMPACT OF  
DIABETES MELLITUS ON CARDIAC AND RENAL USING  
FUZZY LOGIC**

**THESIS**

**Submitted to the Mother Teresa Women's University  
in partial fulfillment of the requirement for the award of the Degree of**

**DOCTOR OF PHILOSOPHY IN COMPUTER SCIENCE**

**By**

**E. RAMA DEVI**

**Under the Supervision of**

**Dr. N. NAGAVENI, Ph.D.,**

**Associate Professor,**

**Department of Mathematics,**

**Coimbatore Institute of Technology,**

**Coimbatore.**



**MOTHER TERESA WOMEN'S UNIVERSITY**

**KODAIKANAL - 624 102.**

**TAMIL NADU, INDIA.**

**JUNE 2011**