

**MATHEMATICAL MODELING OF MALIGNANT  
SKIN TUMOR IN HUMAN BODY**

**THESIS SUBMITTED TO**

**VEER NARMAD SOUTH GUJARAT UNIVERSITY  
SURAT**

**FOR  
THE AWARD OF THE DEGREE  
OF**

**DOCTOR OF PHILOSOPHY  
IN  
MATHEMATICS (FACULTY OF SCIENCE)**

**BY**

**SHAH KEYA ASHWIN  
M.Sc. (MATHEMATICS)**

**UNDER THE GUIDANCE OF**

**Dr. P. H. BHATHAWALA**

**(RETD.) PROFESSOR  
DEPARTMENT OF MATHEMATICS,  
VEER NARMAD SOUTH GUJARAT UNIVERSITY,  
SURAT.**

**DEPARTMENT OF MATHEMATICS  
VEER NARMAD SOUTH GUJARAT UNIVERSITY  
SURAT**

**NOVEMBER - 2010**