

A STUDY OF MHD FLOWS THROUGH POROUS MEDIUM IN THE PRESENCE OF VISCOUS DISSIPATION

Thesis submitted to
SRI VENKATESWARA UNIVERSITY
*in partial fulfilment of the requirements
for the award of the degree of*

**DOCTOR OF PHILOSOPHY
IN
MATHEMATICS**

By
K.ANITHA, M.Sc., M.Phil.,

Research Supervisor
Prof. S. VENKATARAMANA



DEPARTMENT OF MATHEMATICS
SRI VENKATESWARA UNIVERSITY
TIRUPATI - 517 502, (A.P.), INDIA

OCTOBER - 2012

Prof. S.VENKATARAMANA
Department of Mathematics,
S.V. University College of
Sciences,
S. V. University,
Tirupati – 517 502.



Mobile: 94411 66259

CERTIFICATE

This is to certify that the thesis entitled **“A STUDY OF MHD FLOWS THROUGH POROUS MEDIUM IN THE PRESENCE OF VISCOUS DISSIPATION”** that is being submitted by **Mrs. K. ANITHA** to Sri Venkateswara University, Tirupati, for the award of degree of Doctor of Philosophy in Mathematics is a record of bonafide research work carried out by the candidate under my supervision and guidance. The thesis has reached the standard fulfilling the requirements of the regulation for the award of the degree. The results embodied in this dissertation have not been submitted to any other University or Institute for the award of any degree or diploma.

Place: Tirupati

Date:

(S. VENKATARAMANA)

DECLARATION

I hereby declare that the thesis entitled “**A STUDY OF MHD FLOWS THROUGH POROUS MEDIUM IN THE PRESENCE OF VISCOUS DISSIPATION**” under the guidance and supervision of **Prof. S. VENKATARAMANA**, Department of mathematics S.V.U. College of Sciences, Tirupati, is submitted in partial fulfillment of the Degree of Doctor of Philosophy in Mathematics to Sri Venkateswara University and that this thesis is result of my own effort and has not been submitted earlier for the award of any Degree or Diploma or other similar title.

Place: Tirupati

Date :

(**K. ANITHA**)