## STUDY OF SOME TRANSPORT PHENOMENA PROBLEMS IN POROUS MEDIA



## THESIS SUBMITTED IN PARTIAL FULFILMENT FOR THE AWARD OF DEGREE

Doctor of Philosophy

by

Shubham Jaiswal

DEPARTMENT OF MATHEMATICAL SCIENCES
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
VARANASI-221005
INDIA

Roll No. 13121007