

Mathematical Models for the Treatment of Swallowing Disorders through Oesophageal Catheterisation



Thesis submitted to

**Indian Institute of Technology
(Banaras Hindu University) Varanasi**

in partial fulfilment of

the requirements for the Award of the Degree of

Doctor of Philosophy

in

Mathematical Sciences

by

Anupam Kumar Pandey

(Roll No. 18121520)

Department of Mathematical Sciences

Indian Institute of Technology (BHU) Varanasi-221005,

India

July 2024