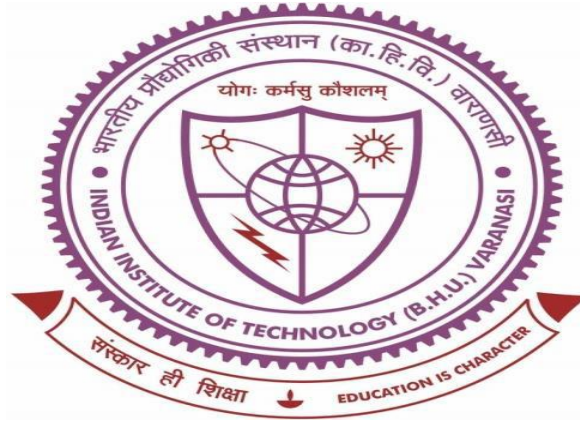# Denoising, Segmentation and Classification of Medical Images Using Enhanced Deep Learning-Based Methods

Thesis submitted in partial fulfilment for the

Award of Degree

Doctor of Philosophy

By

Sumit Tripathi

SCHOOL OF BIOMEDICAL ENGINEERING

INDIAN INSTITUTE OF TECHNOLOGY

(BANARAS HINDU UNIVERSITY)

VARANASI – 221005

INDIA

ROLL NO: 17021003   **2021**