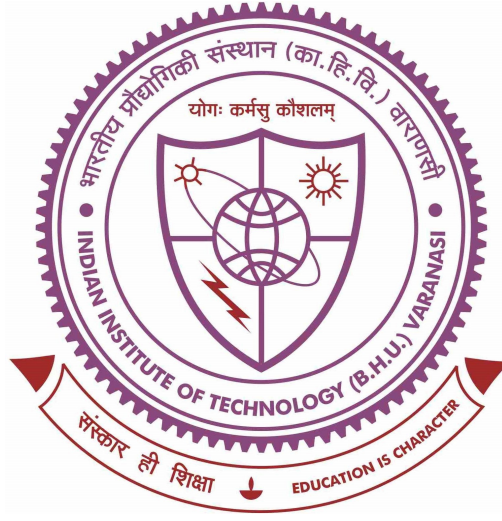


Understanding the variabilities of the magnetic cycles of solar-type stars through dynamo modelling



Thesis submitted in partial fulfilment

for the Award of

DOCTOR OF PHILOSOPHY

in

PHYSICS

by

VINDYA VASHISHTH

DEPARTMENT OF PHYSICS

INDIAN INSTITUTE OF TECHNOLOGY

(BANARAS HINDU UNIVERSITY)

VARANASI – 221 005

ROLL NUMBER
19171018

YEAR OF SUBMISSION
2025