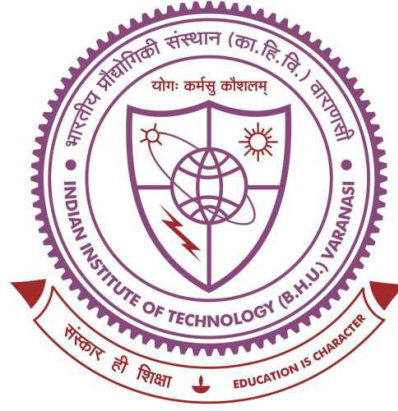


***Design and simulation of surface plasmon
resonance based optical fiber refractive index
sensors***



**Thesis submitted in partial fulfilment for the
Award of Degree**

Doctor of Philosophy

in

Physics

by

Hemant Kumar

DEPARTMENT OF PHYSICS

**INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
VARANASI – 221005**

Roll Number: 17171024

2023