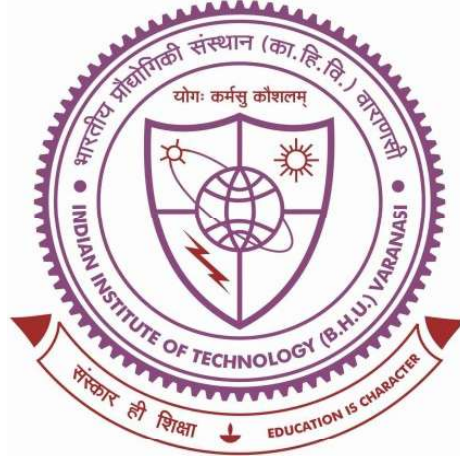


DEVELOPMENT OF BINARY, TERNARY, AND HIGH ENTROPY Ti ALLOYS FOR BIOMEDICAL IMPLANT APPLICATIONS



Thesis submitted in partial fulfillment for the
Award of Degree

Doctor of Philosophy

By

Rupesh Kumar

DEPARTMENT OF MECHANICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
VARANASI - 221005

Roll No. 19131502

2024