

Antisite disorder induced spin-glass and exchange bias phenomena in double perovskites



**Thesis submitted in partial fulfilment for the Award of Degree
DOCTOR OF PHILOSOPHY**

by
RAMAN HISSARIYA

**SCHOOL OF MATERIALS SCIENCE AND TECHNOLOGY
INDIAN INSTITUTE OF TECHNOLOGY (IIT)
VARANASI - 221 005
INDIA**

ROLL NUMBER
18111009

YEAR OF SUBMISSION
2023