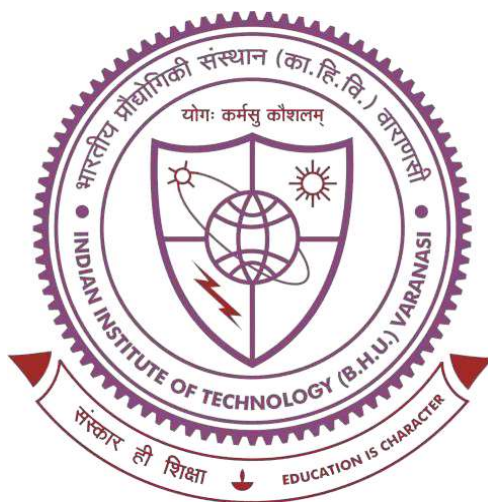


**Role of Mn on the magnetic and electronic properties
of magnetically frustrated Ising $\text{Dy}_2\text{Ti}_2\text{O}_7$ and XY
 $\text{Er}_2\text{Ti}_2\text{O}_7$ pyrochlores**



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

DOCTOR OF PHILOSOPHY

By

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