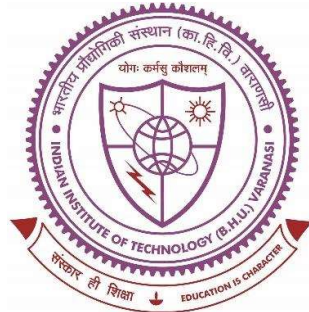


**DESIGN OF CHAIN PILLARS FOR DEEP LONGWALL WORKINGS IN
INDIAN GEO-MINING CONDITIONS**



Thesis submitted in partial fulfilment for the Award of Degree

Doctor of Philosophy

By

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