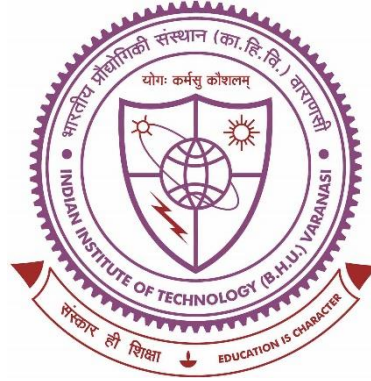


# Effect of Isovalent and Aliovalent Cation Substitution on the Structure and Functional Properties of (Mg,Co,Ni,Cu,Zn)O High Entropy Oxide



Thesis submitted in partial fulfilment  
for the Award of Degree

**Doctor of Philosophy**

by

*Ashwani Gautam*

DEPARTMENT OF CERAMIC ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY  
(BANARAS HINDU UNIVERSITY)  
VARANASI – 221005  
INDIA

Roll No. 18031501

January 2025