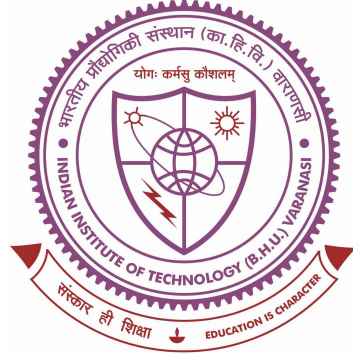


**Electrically stimulated sodium potassium niobate
[Na_xK_{1-x}NbO₃ (x = 0.2 - 0.8), NKN]
piezo-bioceramics toward the development of
electro-active prosthetic orthopedic implant**



**Thesis submitted in partial fulfillment for the
Award of Degree**

Doctor of Philosophy

by

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