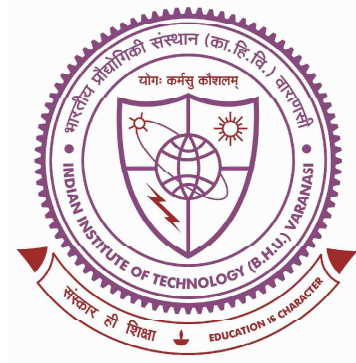


# Pre-processing in Indian language IR



Thesis submitted in partial fulfilment  
for the award of degree

Doctor of Philosophy

by

**Siba Sankar Sahu**

**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**

**Indian Institute of Technology  
(Banaras Hindu University)  
Varanasi**

Roll No: 17071012

Year of Submission: 2024