

# **SOLUTION-PROCESSED ORGANIC THIN FILM TRANSISTORS FOR HYDROGEN SUL- FIDE SENSING APPLICATION**



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

## **DOCTOR OF PHILOSOPHY**

**BY**

### **VARUN KUMAR SINGH**

**DEPARTMENT OF ELECTRONICS ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY  
(BANARAS HINDU UNIVERSITY)  
VARANASI-221005, INDIA**

**ROLL No. 18091503**

**2023**