

# Optimization Methods to Solve Generalized Nash Equilibrium Problems



Thesis submitted in partial fulfillment

for the Award of Degree

*Doctor of Philosophy*

by

*Abhishek Singh*

*DEPARTMENT OF MATHEMATICAL SCIENCES*

**INDIAN INSTITUTE OF TECHNOLOGY**

**(BANARAS HINDU UNIVERSITY)**

**VARANASI - 221005**

*Roll No. 16121010*

*Year 2022*