

THERMAL DESIGN OPTIMIZATION AND
PERFORMANCE EVALUATION OF HEAT
EXCHANGER WITH LOW GRADE ENERGY
UTILIZATION



Thesis Submitted in Partial Fulfilment

For the Award of Degree

DOCTOR OF PHILOSOPHY

By

VIKASH KUMAR

DEPARTMENT OF MECHANICAL ENGINEERING

INDIAN INSTITUTE OF TECHNOLOGY

(BANARAS HINDU UNIVERSITY)

VARANASI – 221005, INDIA