

CO₂ Refrigeration System in Warm Climate: Experimental Investigation, Parameter Optimization and Supermarket Application

THESIS

Submitted in partial fulfilment of the requirements for the degree of

DOCTOR OF PHILOSOPHY

by

NILESH PUROHIT

Under the Supervision of

Dr. Mani Sankar Dasgupta

&

Dr. Dileep Kumar Gupta



BITS Pilani
Pilani Campus

**BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE
PILANI-333031 (RAJASTHAN) INDIA**

2018