

Dedication

I dedicate this doctoral thesis to my cherished late grandparents, whose profound influence and enduring love continue to illuminate every step of my academic journey, even in their absence. In the loving memory of my dear grandparents, who shaped my life with their wisdom, kindness, and unwavering support.

To my late grandfather, **Mr. Chhotalal Madhavji Bhatt (Dadaji)**, whose stories of resilience and hard work continue to inspire me. And to my grandmother, **Mrs. Kusum Chhotalal Bhatt (Baa)**, whose warmth and love enveloped our family like a comforting embrace.

This thesis stands as a humble tribute to their enduring memory, a testament to the profound impact they have had on my academic pursuits, and a heartfelt acknowledgment of the eternal bond that transcends the boundaries of time and space. May their spirits forever guide my academic journey.