

# Common Fixed Point Theorems in $G$ -metric Spaces

A Thesis submitted to  
The Maharaja Sayajirao University of Baroda  
Vadodara



For the award of the degree of  
Doctor of Philosophy in Mathematics  
by

**SEJAL VIKRAMSINH PUVAR**

Under the supervision of

**Dr. Rajendra G. Vyas**

Professor

Department of Mathematics, Faculty of Science  
The Maharaja Sayajirao University of Baroda  
Vadodara-390 002

January 2024