Preface

This thesis is the culmination of my research and academic journey during my time at Symbiosis Institute of Geoinformatics. It represents the result of countless hours of dedication, intellectual curiosity, and a deep passion towards Web-GIS and application development. It is with great pleasure and a sense of accomplishment that I present this work to the academic community. The motivation behind undertaking this research stemmed from my genuine interest to learn and understand web development and use of open source tools and application for the same. The need to explore this field further contribute to its existing knowledge base became increasingly apparent as I delved deeper into my studies. Throughout this process, I have been fortunate to receive the guidance and support of numerous individuals who have played an integral role in shaping this thesis. I got the opportunity to explore numerous researches in this field by reading many research papers related to Spatial Decision Support Systems, Web Application Development, Web GIS, Leaflet API and many more. This helped me develop my research to build the most viable product considering the duration of project and available resources.

It is my hope that this thesis contributes to the existing body of knowledge and inspires further research in this field. I recognize that this work is not without its limitations, and I welcome future researchers to build upon and expand the findings presented here.