

## LIST OF FIGURES

2.1	Illustration of 2-opt . . . . .	12
2.2	Illustration of 2-interchange . . . . .	13
3.1	System implementation . . . . .	17
3.2	The Illustration of TSP Approach . . . . .	21
3.3	The Illustration of VRP Approach . . . . .	22
3.4	The Dataset in Complete Graph Representation . . . . .	24
3.5	The Location of POIs and Hotels in Map Visualization . . . . .	25
4.1	Fitness value over the number of POIs . . . . .	34
4.2	The difference of fitness value between Hybrid ACS-BSO and ACS . . . . .	35
4.3	The difference of fitness value between Hybrid ACS-BSO and BSO . . . . .	35
4.4	Running time over the number of POIs . . . . .	36