

LIST OF FIGURES

Figure Number	Name	Page Number
2.1	Application Framework	5
2.2	Linux Kernel	6
2.3	Libraries	7
2.4	Application Framework contd...	7
2.5	Development Platform	8
2.6	Application Architecture	8
2.7	Computation of Distance Using Lateration	9
2.8	Angle Measurement Technique	10
2.9	Scenery of a Hill Station	11
2.10	Logical Architecture	13
2.11	Android Emulator	15
2.12	Android Debug Bridge	16
2.13	Android Development Platform	18
4.1	Functional Overview	22
4.2	Location Determination System Architecture	24
4.3	Sample Scenario for Indoor Positioning System	25
4.4	Signal Strength Measurement from a stationary position over time	26
5.1	Class Diagram	28
5.2	Block Diagram	29
5.3	Sequence Diagram	31
5.4	2-D Plan of Indoor Building	32
5.5	Sample Reading 1	34

5.6	Sample Reading 2	34
5.7	Sample Reading 3	35
5.8	Sample Reading 4	35
7.1	Interaction Between Middleware and Database	45
7.2	Interaction Between UI and Database	45

LIST OF TABLES

Table Number	Name	Page Number
7.1	Unit Testing of Client Module	43
7.2	Unit Testing of Server Module	44
7.3	Unit Testing of User Interface Module	44