LIST OF TABLES

Table 1.1 Pin description of RFID reader	34
Table 5.1 Pin description of controller of helmet node	79
Table 5.2 Hardware summary report of helmet node	84
Table 5.3 Pin description of controller of receiver node	85
Table 5.4: Hardware summary report of two-wheeler node	89
Table 6.1 Samples from the people of age group of 18-25 years in the	105
month of Feb 2016 with temperature variation (21° C to 27° C)	
Table 6.2 Samples in form of voltage as output of flex sensor from the	106
people of age group of 18-25 years in the month of Feb 2016 with	
temperature variation (21°C to 27°C)	
Table 6.3 't' test on the samples collected in the month of Feb. 2016	107
Table 6.4 Samples from the people of age group of 18-25 years in the	110
month of April 2016 with temperature variation (31° C to 36° C)	
Table 6.5 Samples in form of voltage as output of flex sensor from the	110
people of age group of 18-25 years in the month of April 2016 with	
temperature variation (31°C to 36°C)	
Table 6.6 't' test on the samples collected in the month of April 2016	111
Table 6.7 Samples from the people of age group of 18-25 years in the	114
month of June 2016 with temperature variation (34° C to 41° C)	
Table 6.8 Samples in form of voltage as output of flex sensor from the	115
people of age group of 18-25 years in the month of June 2016 with	
temperature variation (34 ^o C to 41 ^o C)	
Table 6.9 't' test on the samples collected in the month of June 2016	116
Table 6.10 Samples of flex sensor from the people of age group of 18-25	119
years in the month of August 2016 with temperature variation (32° C to	
$36^{0} \mathrm{C})$	
Table 6.11 Samples in form of voltage as output of flex sensor from the	119
people of age group of 18-25 years in the month of August 2016 with	

temperature variation (32 ⁰ C to 36 ⁰ C)	
Table 6.12 't' test on the samples collected in the month of August 2016	120
Table 6.13 Samples from the people of age group of 18-25 years in the	123
month of Oct. 2016 with temperature variation (31° C to 35° C)	
Table 6.14 Samples form of voltage as output of flex sensor from the	124
people of age group of 18-25 years in the month of Oct. 2016 with	
temperature variation (31 ^o C to 35 ^o C)	
Table 6.15 't' test on the samples collected in the month of October	125
2016	
Table 6.16 Cost Analysis of Helmet Node	129
Table 6.17 Cost Analysis of Two-wheeler Node	130
Table 6.18 Cost Analysis of Server/data logger	131
Table 6.19 Current Consumption Analysis of Helmet Node	131
Table 6.20 Current Consumption Analysis of Two-wheeler Node	132
Table 6.21 Current Consumption Analysis of Server	132