LIST OF TABLE

Table 2.1 Channel location of Bipolar and Unipolar electrode 11
Table 2.2 Electrode position and it’s function 12
Table 3.1 Comparison of computer and neural network 16
Table 3.2 Type of network and its use 17
Table 5.1 Type of EEG band and frequency range 46
Table 5.1 Time in seconds; Zero-crossing Frequency in Hz 64
Table 5.2 Time in seconds; Amplitude in uV. 65
Table 5.3 Min/Max and Diff over range. 65
Table 5.4 Lag Time: Correlation: Time in msec 66
Table 6.1(a) Parameters of K-complex and its values 73
Table 6.1(b) Different sleep stages and occurrence of K-complex 75
Table 6.2 comparision of correlation method and diagnosis 92
Table 6.3 Comparision of correlation method and doctor's opinion 94
Table 6.4 Comparsion for detection of K-complex 96
Table 6.5 comparion on short EEG data test set 97
Table 7.1 Average frequency (T1=100.90, T2=100.91) 104
Table 7.2 Average frequency (T1=100.91, T2=101.98) 104
Table 7.3 Average frequency (T1=100.03, T2=102.37) 105
Table 7.4 Average frequency (T1=100.09, T2=101.02) 105
Table 7.5 Average frequency (T1=100.64, T2=102.16) 106
Table 7.6 Average frequency (T1=100.98, T2=102.28) 106
Table 7.7 Absolute Amplitude at S1=12805, S2=13127 107
Table 7.8 Min/Max and Diff over range. Amplitude in uV 107
Table 7.9 Lag Time: Correlation; Time in msec 108
Table 7.10 The samples, time and difference over range 108
Table 7.1 Comparism for different BP learning algorithms 124
Table 7.12 Comparism of Convergence Time 124
Table 7.13 Comparism of AGANN and DENN Training 124
Table 7.14 Performance Comparison Training And Test Samples 125
Table 9.1 Depression states for age group from 2 to 60. 159
Table 9.1 Average Frequency (T1=16.99, T2=17.99) 167
Table 9.2 Average Frequency (T1=16.98, T2=18.01) 167
Table 9.3 Min/Max and Diff over range. Absolute Amplitude 168
Table 9.4 Lag Time: Correlation; Time in msec 168