TRAINING SCHEDULE

Bio-signal Acquisition and Analysis

This programme will be focusing on various aspects of Bio-signal Acquisition and Analysis. The schedule of programme will be as follows:

Day 1:

1. Inaugural Function & Activities of CSIO
2. Introduction to Embedded controller and Basics of embedded controller board

Day 2:

3. Introduction to Embedded system and applications
4. Embedded controller programming

Day 3:

5. Introduction to Bio-signals
6. Designing and fabrication of Bio-signal Amplifier

Day 4:

7. Fabrication and testing of Bio-signal Amplifier
8. Interfacing of Bio-signal amplifier with Embedded System

Day 5:

9. Visit to Shimla

Day 6:

10. Bio-signals acquisition techniques
11. Acquisition of Bio-signal amplifier using Embedded System

Day 7:

12. Introduction to MATLAB
13. Basics of MATLAB

Day 8:

14. Introduction to DSP using MATLAB
15. Basics of DSP using MATLAB

Day 9:

16. Signal processing and Analysis using MATLAB
17. Recorded Bio-signal Analysis using MATLAB

Day 10:

18. Signal processing and Analysis using MATLAB. Recorded Bio-signal Analysis using MATLAB.
19. Feedback & Valedictory Session