**LAB SCHEDULE**

**Name of the dept. : ECE class : IV– I , ECE-B**

**Lab name : DSP LAB year : 2014-15**

**LIST OF EXPERIMENTS**

1. Generation of signals
2. Sum of sinewaves
3. Linear Convolution
4. Circular Convolution
5. DFT / IDFT of given DT signal.
6. FFT / IFFT of given DT signal.
7. N-point FFT
8. Power Spectrum of a given signal(s).
9. frequency response of analog LP/HP
10. FIR LP/HP using window techniques
11. IIR LP/HP using window techniques
12. Implementation of LP IIR filters on DSP processor
13. Implementation of HP IIR filters on DSP processor
14. Implementation of LP FIR filters on DSP processor
15. Implementation of HP FIR filters on DSP processor

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| Sl.No | Date & Session | Ex.1 | Ex.2 | Ex.3 | Ex.4 | Ex.5 | Ex.6 | Ex.7 | Ex.8 | Ex.9 | Ex.10 | Ex.11 | Ex.12 | Ex.13 | Ex.14 | Ex.15 |
| 1 | 16/06/2014 | B1-B10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 18/06/2014 | B11-B20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | 23/06/2014 |  | B1-B10 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | 25/06/2014 |  | B11-B20 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | 30/06/2014 |  |  | B1-B10 |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | 2/07/2014 |  |  | B11-B20 |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | 14/07/2014 |  |  |  | B1-B10 |  |  |  |  |  |  |  |  |  |  |  |
| 8 | 16/7/2014 |  |  |  | B11-B20 |  |  |  |  |  |  |  |  |  |  |  |
| 9 | 21/07/2014 |  |  |  |  | B1-B10 |  |  |  |  |  |  |  |  |  |  |
| 10 | 23/07/2014 |  |  |  |  | B11-B20 |  |  |  |  |  |  |  |  |  |  |
| 11 | 28/07/2014 |  |  |  |  |  | B1-B10 |  |  |  |  |  |  |  |  |  |
| 12 | 30/07/2014 |  |  |  |  |  | B11-B20 |  |  |  |  |  |  |  |  |  |
| 13 | 04/08/2014 |  |  |  |  |  |  | B1-B10 |  |  |  |  |  |  |  |  |
| 14 | 06/08/2014 |  |  |  |  |  |  | B11-B20 |  |  |  |  |  |  |  |  |
| 15 | 11/08/2014 |  |  |  |  |  |  |  | B1-B10 |  |  |  |  |  |  |  |
| 16 | 13/08/2014 |  |  |  |  |  |  |  | B11-B20 |  |  |  |  |  |  |  |
| 17 | 18/08/2014 |  |  |  |  |  |  |  |  | B1-B10 |  |  |  |  |  |  |
| 18 | 20/08/2014 |  |  |  |  |  |  |  |  | B11-B20 |  |  |  |  |  |  |
| 19 | 25/08/2014 |  |  |  |  |  |  |  |  |  | B1-B10 |  |  |  |  |  |
| 20 | 27/08/2014 |  |  |  |  |  |  |  |  |  | B11-B20 |  |  |  |  |  |
| 21 | 01/09/2014 |  |  |  |  |  |  |  |  |  |  | B1-B10 |  |  |  |  |
| 22 | 3/09/2014 |  |  |  |  |  |  |  |  |  |  | B11-B20 |  |  |  |  |
| 23 | 08/09/2014 |  |  |  |  |  |  |  |  |  |  |  | B1-B10 |  |  |  |
| 24 | 10/09/2014 |  |  |  |  |  |  |  |  |  |  |  | B11-B20 |  |  |  |
| 25 | 15/09/2014 |  |  |  |  |  |  |  |  |  |  |  |  | B1-B10 |  |  |
| 26 | 17/09/2014 |  |  |  |  |  |  |  |  |  |  |  |  | B11-B20 |  |  |
| 27 | 22/09/2014 |  |  |  |  |  |  |  |  |  |  |  |  |  | B1-B10 |  |
| 28 | 24/09/2014 |  |  |  |  |  |  |  |  |  |  |  |  |  | B11-B20 |  |
| 29 | 06/10/2014 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | B1-B10 |
| 30 | 08/10/2014 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | B11-B20 |
| 31 | 20/10/2014 | B1-B10 Internal exam | | | | | | | | | | | | | |  |
| 32 | 15/10/2014 | B11-B20 internal exam | | | | | | | | | | | | | |  |

**Note: Session Indicates 3 (or) 4 Periods**

**B1 to B20 are batches and each batch contains 3 to 4 members**