**LAB SCHEDULE**

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

**Lab name : DSP LAB year : 2015-16**

**LIST OF EXPERIMENTS (**(At least twelve experiments are to be done, Using MATLAB)**)**

1. Sum of sinusoidal signals
2. Liner and circular convolution. 11. IIR LPF implementation on 6713 kit.

3. DFT and IDFT. 12. IIR LPF implementation on 6713 kit.

4. FFT, IFFT of N-point sequence

5. PSD.

6. Analog LPF, HPF characteristics.

7. FIR LPF and FIR HPF characteristics

8 IIR LPF and FIR HPF characteristics

9. FIR LPF implementation on 6713 kit.

10. FIR HPF implementation on 6713 kit.

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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 |
| 1 | 13.07.15 | B1,B6 | B2,B7 | | B3,B8 | B4,B9 | B5,B10 |  |  |  |  |  |
| 2 | 20.07.15 | B11,B16 | B12,B17 | | B13,B18 | B14,B19 | B15,B20 |  |  |  |  |  |
| 3 | 03.08.15 | B2,B7 | B3,B8 | | B4,B9 | B5,B10 | B1,B6 |  |  |  |  |  |
| 4 | 10.08.05 | B12,B17 | B13,B18 | | B14,B19 | B15,B20 | B11,B16 |  |  |  |  |  |
| 5 | 17.08.15 | B3,B8 | B4,B9 | | B5,B10 | B1,B6 | B2,B7 |  |  |  |  |  |
| 6 | 27.07.15 | B13,B18 | B14,B19 | | B15,B20 | B11,B16 | B12,B17 |  |  |  |  |  |
| 7 | 24.08.15 | B4,B9 | B5,B10 | | B1,B6 | B2,B7 | B3,B8 |  |  |  |  |  |
| 8 | 31.08.15 | B14,B19 | B15,B20 | | B11,B16 | B12,B17 | B13,B18 |  |  |  |  |  |
| 9 | 14.09.15 | B5,B10 | B1,B6 | | B2,B7 | B3,B8 | B4,B9 |  |  |  |  |  |
| 10 | 28.09.15 | B15,B20 | B11,B16 | | B12,B17 | B13,B18 | B14,B19 |  |  |  |  |  |
| 11 | 16.07015 |  |  | |  |  |  | B1,B6 | B2,B7 | B3,B8 | B4,B9 | B5,B10 |
| 12 | 23.07.15 |  |  | |  |  |  | B11,B16 | B12,B17 | B13,B18 | B14,B19 | B15,B20 |
| 13 | 06.08.15 |  |  | |  |  |  | B2,B7 | B3,B8 | B4,B9 | B5,B10 | B1,B6 |
| 14 | 13.08.15 |  |  | |  |  |  | B12,B17 | B13,B18 | B14,B19 | B15,B20 | B11,B16 |
| 15 | 20.08.15 |  |  | |  |  |  | B3,B8 | B4,B9 | B5,B10 | B1,B6 | B2,B7 |
| 16 | 30.07.15 |  |  | |  |  |  | B13,B18 | B14,B19 | B15,B20 | B11,B16 | B12,B17 |
| 17 | 27.08.15 |  |  | |  |  |  | B4,B9 | B5,B10 | B1,B6 | B2,B7 | B3,B8 |
| 18 | 03.09.15 |  |  | |  |  |  | B14,B19 | B15,B20 | B11,B16 | B12,B17 | B13,B18 |
| 19 | 24.09.15 |  |  | |  |  |  | B5,B10 | B1,B6 | B2,B7 | B3,B8 | B4,B9 |
| 20 | 01.10.15 |  |  | |  |  |  | B15,B20 | B11,B16 | B12,B17 | B13,B18 | B14,B19 |
| 21 | 02.11.15 | B1-B10 Internal exam | | | | | |  |  |  |  |  |
| 22 | 05.11.15 |  | |  |  |  |  | B11-B20 internal exam | | | | |