**LAB SCHEDULE**

**Name of the dept. : ECE Class : III – I , ECE-B**

**Lab name : ICA LAB Year : 2015-16**

**LIST OF EXPERIMENTS**

1.Study of OP AMPs – IC 741, IC 555, IC 565, IC 566, IC 1496 – functioning, parameters and specifications. 2.OP AMP Applications – Adder, subtractor and comparator circuits.

3. Integrator and Differentiator Circuits using IC 741.

4. Active Filter Applications – LPF, HPF (first order & second order).

5. IC 741 Oscillator Circuits – Phase Shift and Wien Bridge Oscillators.

6. Function Generator using OP AMP.

7.4 bit DAC using OP AMP.

8. IC 555 Timer – Monostable Operation Circuit.

9. IC 555 Timer – Astable Operation Circuit.

10. Schmitt Trigger Circuits – using IC 741 and IC 555.

11. Voltage Regulators – 723, 7805, 7809, 7912

12.IC 565-PLL applications.

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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 |
| 1 | 24/7/15 | B1,B6 | B2,B7 | B3,B8 | B4,B9 | B5,B10 |  |  |  |  |  |  |  |
| 2 | 21/7/15 | B11,B16 | B12,B17 | B13,B18 | B14,B19 | B15,B20 |  |  |  |  |  |  |  |
| 3 | 31/7/15 |  | B1,B6 | B2,B7 | B3,B8 | B4,B9 | B5,B10 |  |  |  |  |  |  |
| 4 | 4/8/15 |  | B11,B16 | B12,B17 | B13,B18 | B14,B19 | B15,B20 |  |  |  |  |  |  |
| 5 | 7/8/15 | B5,B10 |  | B1,B6 | B2,B7 | B3,B8 | B4,B9 |  |  |  |  |  |  |
| 6 | 16/8/15 | B15,B20 |  | B11,B16 | B12,B17 | B13,B18 | B14,B19 |  |  |  |  |  |  |
| 7 | 14/7/15 | B4,B9 | B5,B10 |  | B1,B6 | B2,B7 | B3,B8 |  |  |  |  |  |  |
| 8 | 18/815 | B14,B19 | B15,B20 |  | B11,B16 | B12,B17 | B13,B18 |  |  |  |  |  |  |
| 9 | 21/8/15 | B3,B8 | B4,B9 | B5,B10 |  | B1,B6 | B2,B7 |  |  |  |  |  |  |
| 10 | 25/8/15 | B13,B18 | B14,B19 | B15,B20 |  | B11,B16 | B12,B17 |  |  |  |  |  |  |
| 11 | 28/8/15 | B2,B7 | B3,B8 | B4,B9 | B5,B10 |  | B1,B6 |  |  |  |  |  |  |
| 12 | 1/9/15 | B12,B17 | B13,B18 | B14,B19 | B15,B20 |  | B11,B16 |  |  |  |  |  |  |
| 13 | 4/9/15 |  |  |  |  |  |  | B1,B6 | B2,B7 | B3,B8 | B4,B9 | B5,B10 |  |
| 14 | 8/9/15 |  |  |  |  |  |  | B11,B16 | B12,B17 | B13,B18 | B14,B19 | B15,B20 |  |
| 15 | 18/9/15 |  |  |  |  |  |  |  | B1,B6 | B2,B7 | B3,B8 | B4,B9 | B5,B10 |
| 16 | 15/9/15 |  |  |  |  |  |  |  | B11,B16 | B12,B17 | B13,B18 | B14,B19 | B15,B20 |
| 17 | 9/10/15 |  |  |  |  |  |  | B5,B10 |  | B1,B6 | B2,B7 | B3,B8 | B4,B9 |
| 18 | 22/9/15 |  |  |  |  |  |  | B15,B20 |  | B11,B16 | B12,B17 | B13,B18 | B14,B19 |
| 19 | 16/10/15 |  |  |  |  |  |  | B4,B9 | B5,B10 |  | B1,B6 | B2,B7 | B3,B8 |
| 20 | 6/10/15 |  |  |  |  |  |  | B14,B19 | B15,B20 |  | B11,B16 | B12,B17 | B13,B18 |
| 21 | 18/10/15 |  |  |  |  |  |  | B3,B8 | B4,B9 | B5,B10 |  | B1,B6 | B2,B7 |
| 22 | 13/10/15 |  |  |  |  |  |  | B13,B18 | B14,B19 | B15,B20 |  | B11,B16 | B12,B17 |
| 23 | 30/10/15 |  |  |  |  |  |  | B2,B7 | B3,B8 | B4,B9 | B5,B10 |  | B1,B6 |
| 24 | 27/10/15 |  |  |  |  |  |  | B12,B17 | B13,B18 | B14,B19 | B15,B20 |  | B11,B16 |
| 25 | 6/11/15 | B1-B10 Internal exam | | | | | | | | | | | | B1-B12 Internal exam |
| 26 | 3/11/15 | B11-B20 internal exam | | | | | | | | | | | | B11-B20 internal exam |

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

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