**LAB SCHEDULE**

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

**Lab name : ICA LAB Year : 2013-2014**

**LIST OF EXPERIMENTS**

Study of OP AMPs – IC 741, IC 555, IC 565, IC 566, IC 201396 – functioning, parameters and specifications.

1. OP AMP Applications – Adder, subtractor and comparator circuits.
2. Active Filter Applications – LPF, HPF (first order & second order).
3. Voltage Regulators – 7805, 7809, 7912 , 723
4. IC 741 Oscillator Circuits – Phase Shift and Wien Bridge Oscillators.
5. Integrator and Differentiator Circuits using IC 741.
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.

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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 | 10-06-2013 | DEMO | | | | | | | | | |
| 2 | 14-06-2013 | DEMO | | | | | | | | | |
| 3 | 17-06-2013 | Study of OP AMPs | | | | | | | | | |
| 4 | 21-06-2013 | Study of OP AMPs | | | | | | | | | |
| 5 | 27-06-2013 | B1,B6 | B2,B7 | B3,B8 | B4,B9 | B5,B10 |  |  |  |  |  |
| 6 | 28-06-2013 | B11,B16 | B12,B17 | B13,B18 | B2013,B19 | B15,B20 |  |  |  |  |  |
| 7 | 04-07-2013 | B2,B7 | B3,B8 | B4,B9 | B5,B10 | B1,B6 |  |  |  |  |  |
| 8 | 05-07-2013 | B12,B17 | B13,B18 | B2013,B19 | B15,B20 | B11,B16 |  |  |  |  |  |
| 9 | 11-07-2013 | B3,B8 | B4,B9 | B5,B10 | B1,B6 | B2,B7 |  |  |  |  |  |
| 10 | 12-07-2013 | B13,B18 | B2013,B19 | B15,B20 | B11,B16 | B12,B17 |  |  |  |  |  |
| 11 | 18-07-2013 | B4,B9 | B5,B10 | B1,B6 | B2,B7 | B3,B8 |  |  |  |  |  |
| 12 | 19-07-2013 | B14`,B19 | B15,B20 | B11,B16 | B12,B17 | B13,B18 |  |  |  |  |  |
| 13 | 25-07-2013 | B5,B10 | B1,B6 | B2,B7 | B3,B8 | B4,B9 |  |  |  |  |  |
| 14 | 26-07-2013 | B15,B20 | B11,B16 | B12,B17 | B13,B18 | B2013,B19 |  |  |  |  |  |
| 15 | 01-08-2013 |  |  |  |  |  | B1,B6 | B2,B7 | B3,B8 | B4,B9 | B5,B10 |
| 16 | 30/08/2013 |  |  |  |  |  | B11,B16 | B12,B17 | B13,B18 | B2013,B19 | B15,B20 |
| 17 | 29/08/2013 |  |  |  |  |  | B2,B7 | B3,B8 | B4,B9 | B5,B10 | B1,B6 |
| 18 | 20/09/2013 |  |  |  |  |  | B12,B17 | B13,B18 | B2013,B19 | B15,B20 | B11,B16 |
| 19 | 19/09/2013 |  |  |  |  |  | B3,B8 | B4,B9 | B5,B10 | B1,B6 | B2,B7 |
| 20 | 18/10/2013 |  |  |  |  |  | B13,B18 | B2013,B19 | B15,B20 | B11,B16 | B12,B17 |
| 21 | 17/10/2013 |  |  |  |  |  | B4,B9 | B5,B10 | B1,B6 | B2,B7 | B3,B8 |
| 22 | 02/11/2013 |  |  |  |  |  | B2013,B19 | B15,B20 | B11,B16 | B12,B17 | B13,B18 |
| 23 | 31/10/2013 |  |  |  |  |  | B5,B10 | B1,B6 | B2,B7 | B3,B8 | B4,B9 |
| 24 | 15/11/2013 |  |  |  |  |  | B15,B20 | B11,B16 | B12,B17 | B13,B18 | B2013,B19 |
| 25 | 7/11/2013 | BACKLOGS AND REPETATION | | | | | | | | | |
| 26 | 08/11/2013 | BACKLOGS AND REPETATION | | | | | | | | | |
| 27 | 21/11/2013 | B1-B10 Internal exam | | | | | | | | | |
| 28 | 22/11/2013 | B11-B20 internal exam | | | | | | | | | |

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

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