

## LAB SCHEDULE

Name of the dept. : ECE

Class : III – I , ECE-A

Lab name : ICA LAB

Year : 2014-15

### LIST OF EXPERIMENTS

- Study of OP AMPs – IC 741, IC 555, IC 565, IC 566, IC 1496 – functioning, parameters and specifications. 2. 1.OP AMP Applications – Adder, subtractor and comparator circuits.  
 2. Integrator and Differentiator Circuits using IC 741.  
 3. Active Filter Applications – LPF, HPF (first order & second order).  
 4. IC 741 Oscillator Circuits – Phase Shift and Wien Bridge Oscillators.  
 5. Function Generator using OP AMP.  
 6. 4 bit DAC using OP AMP.  
 7. IC 555 Timer – Monostable Operation Circuit.  
 8. IC 555 Timer – Astable Operation Circuit.  
 9. Schmitt Trigger Circuits – using IC 741 and IC 555.  
 10. Voltage Regulators – 723, 7805, 7809, 7912

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	25-08-14	B1,B 6	B2,B7	B3,B 8	B4,B 9	B5,B 10					
2	28-08-14	B11, B16	B12,B 17	B13, B18	B14, B19	B15, B20					
3	08-09-14	B2,B 7	B3,B8	B4,B 9	B5,B 10	B1,B 6					
4	09-09-14	B12, B17	B13,B 18	B14, B19	B15, B20	B11, B16					
5	15-09-14	B3,B 8	B4,B9	B5,B 10	B1,B 6	B2,B 7					
6	16-09-14	B13, B18	B14,B 19	B15, B20	B11, B16	B12, B17					
7	22-09-14	B4,B 9	B5,B1 0	B1,B 6	B2,B 7	B3,B 8					
8	23-09-14	B14, B19	B15,B 20	B11, B16	B12, B17	B13, B18					
9	06-10-14	B5,B 10	B1,B6	B2,B 7	B3,B 8	B4,B 9					
10	07-10-14	B15, B20	B11,B 16	B12, B17	B13, B18	B14, B19					
11	20-10-14						B1,B6	B2,B 7	B3,B 8	B4,B9	B5,B1 0
12	21-10-14						B11,B 16	B12, B17	B13, B18	B14,B 19	B15,B 20
13	27-10-14						B2,B7	B3,B 8	B4,B 9	B5,B1 0	B1,B6
14	28-10-14						B12,B 17	B13, B18	B14, B19	B15,B 20	B11,B 16
15	17/11/14						B3,B8	B4,B 9	B5,B 10	B1,B6	B2,B7
16	18/11/14						B13,B 18	B14, B19	B15, B20	B11,B 16	B12,B 17
17	30/11/14						B4,B9	B5,B 10	B1,B 6	B2,B7	B3,B8
18	02/12/14						B14,B 19	B15, B20	B11, B16	B12,B 17	B13,B 18
19	01/12/14						B5,B1 0	B1,B 6	B2,B 7	B3,B8	B4,B9

20	04/12/14						B15,B 20	B11, B16	B12, B17	B13,B 18	B14,B 19
21	05/12/14	B1-B10 Internal exam									
22	06/12/14	B11-B20 internal exam									

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

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