LAB SCHEDULE

Name of the dept. : **ECE**   **class** : **III – I ECE-A**

Lab name : **ICA   LAB**   **year** : **2017-18**

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. IC 565 – PLL Applications.
12. Voltage Regulators – 7805, 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	Ex.11	Ex.12
1	17-06-17 (A.N)	B1-B10 and Demo on lab experiments											
2	21-06-17 (F.N)	B11-B20 and Demo on lab experiments											
3	24-06-17 (A.N)		B1,B6	B2,B7	B3,B8	B4,B9	B5,B10						
4	28-06-17 (F.N)		B11,B16	B12,B17	B13,B18	B14,B19	B15,B20						
5	01-07-17 (A.N)		B2,B7	B3,B8	B4,B9	B5,B10	B1,B6						
6	05-07-17 (F.N)		B12,B17	B13,B18	B14,B19	B15,B20	B11,B16						
7	15-07-17 (A.N)		B3,B8	B4,B9	B5,B10	B1,B6	B2,B7						
8	12-07-17 (F.N)		B13,B18	B14,B19	B15,B20	B11,B16	B12,B17						
9	29-07-17 (A.N)		B4,B9	B5,B10	B1,B6	B2,B7	B3,B8						
10	19-07-17 (F.N)		B14,B19	B15,B20	B11,B16	B12,B17	B13,B18						
11	05-08-17 (A.N)		B5,B10	B1,B6	B2,B7	B3,B8	B4,B9						
12	26-07-17 (F.N)		B15,B20	B11,B16	B12,B17	B13,B18	B14,B19						
13	19-08-17 (A.N)							B1,B7	B2,B8	B3,B9	B4,B10	B5,B11	B6,B12
14	09-08-17 (F.N)							B13,B19	B14,B20	B15,B21	B16,B22	B17,B23	B18,B24
15	26-08-17 (A.N)							B2,B8	B3,B9	B4,B10	B5,B11	B6,B12	B1,B7
16	16-08-17							B14,B20	B15,B21	B16,B22	B17,B23	B18,B24	B13,B19

	(F.N)												
17	06-09-17 (F.N)						B3,B9	B4,B10	B5,B11	B6,B12	B1,B7	B2,B8	
18	23-08-17 (F.N)						B15,B21	B16,B22	B17,B23	B18,B24	B13,B19	B14,B20	
19	09-09-17 (F.N)						B4,B10	B5,B11	B6,B12	B1,B7	B2,B8	B3,B9	
20	21-09-17 (F.N)						B16,B22	B17,B23	B18,B24	B13,B19	B14,B20	B15,B21	
21	16-09-17 (F.N)						B5,B11	B6,B12	B1,B7	B2,B8	B3,B9	B4,B10	
22	25-09-17 (F.N)						B17,B23	B18,B24	B13,B19	B14,B20	B15,B21	B16,B22	
23	27-09-17 (F.N)						B6,B12	B1,B7	B2,B8	B3,B9	B4,B10	B5,B11	
24	27-09-17 (F.N)						B18,B24	B13,B19	B14,B20	B15,B21	B16,B22	B17,B23	
25	04-10-17 (A.N)	B1-B10 Internal exam											
26	07-10-17 (F.N)						B11-B20 internal exam						

Note: Session Indicates 3 (or) 4 Periods

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