

21AIE113- INTRODUCTION TO ELECTRONICS

Group Assignment 6

Submission Date: 30/06/2022, 11.59 PM

Submission link: [Assignment 6](#)

Answer all Questions

Submission format – doc,pdf,zip (for falstad files)

Mention the contribution from each member (3 circuits minimum per person).

1. Implement the following circuits in Falstad circuit simulator. Also upload the files along with input/output waveforms.
 1. Inverting amplifier
 2. Non inverting amplifier
 3. Summing amplifier
 4. Difference amplifier
 5. Integrator
 6. Differentiator
 7. Inverting comparator
 8. Non inverting comparator
 9. Zero-crossing detector
 10. Schmitt Trigger
 11. Astable multivibrator
 12. Resistive-ladder DAC