MANGALORE UNIVERSITY

Department of Physics

MSc Physics

PHP 515: NUCLEAR PHYSICS – PRACTICALS II

Course outcome

CO1 Design and verify two stage FET amplifier.

CO2 Construct bistablemultivibrator.

CO3 Construct and verify coincidence and anticoincidence circuit

CO4 Design and construct linear pulse amplifier.

CO5 Construct monoshot using IC.

CO6 Verify zero crossing detector.

CO7 Construct and understand the working of Flash ADC.

1. Two stage FET amplifier
2. Bistablemultivibrator
3. Coincidence circuit (discrete components)
4. Anticoincidence circuits (discrete components)
5. Linear pulse amplifier
6. Monoshot using ICs.
7. Zero crossing detector
8. Pulse stetcher
9. Flash ADCS
10. Data analysis using PC