

2K6EC 407(P) ELECTRONIC CIRCUITS LAB

LIST OF EXPERIMENT WITH COURSE OUTCOME

SL. No	LIST OF EXPERIMENT	COURSE OUTCOME
1	RC Coupled Amplifier	CO2
2	Two Stage RC Coupled amplifier	CO2
3	Cascode Amplifier	CO2
4	Emitter Follower	CO1
5	RC Phase Shift Oscillator	CO2
6	Hartley Oscillator	CO2
7	Colpitts Oscillator	CO2
8	Series Pass Voltage Regulator	CO1

CO-PO Mapping

CO	After completing the course the student will be able to	PO
C407.1	An ability to design and analyze biasing circuits, voltage regulator circuits, emitter follower.	1,2,3,4
C407.2	Design and compare different types of oscillators, amplifiers and their applications in different electronic fields.	1,2,3,4

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

