

2K6EC 707 (P) COMMUNICATION ENGG.2 LAB

LIST OF EXPERIMENT WITH COURSE OUTCOME

SL. No	LIST OF EXPERIMENT	COURSE OUTCOME
1	SAMPLE AND HOLD CIRCUIT	CO2
2	ASK MODULATOR AND DEMODULATOR	CO3
3	PSK MODULATOR AND DEMODULATOR	CO3
4	FSK GENERATOR USING 555	CO2
5	SYNCHRONOUS 2-BIT ADC	CO3
6	DIGITAL TO ANALOG CONVERTER	CO3
7	STAIRCASE WAVE FORM GENERATOR	CO2

CO-PO Mapping

CO	After completing the course the student will be able to	Level	PO
C707.1	Analyze mathematically the operation and working of the various microwave tubes	4	1,2,3,4,10
C707.2	Interpret the optical losses characteristic in optical fiber such as dispersion, scattering, absorption, nonlinear effects, fiber alignment and splicing that affect the performance of transmission systems	4	1,2,3,4,10
C707.3	Evaluate different digital modulation and demodulation techniques	5	1,2,3,4,10

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.
5. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.