

2K6EC608 MICROPROCESSOR & MICROCONTROLLER LAB

LIST OF EXPERIMENT WITH COURSE OUTCOME

SL. No	LIST OF EXPERIMENT	COURSE OUTCOME
1	Familiarization of 8086 μ p kit	CO1
2	Basic Arithmetic Operations	CO1
3	Sum of an Array of Numbers	CO1
4	Largest Number in an Array	CO1
5	Sum of Even Numbers in an Array	CO1
6	Sorting an Array	CO1
7	32 Bit Additions	CO1
8	Block Transfer	CO1
9	Occurrence of a Numbers	CO1
10	Sum of Integers	CO1
11	Source Root of a numbers	CO1
12	Fibonacci Series	CO1
13	Factorial of a numbers	CO1
14	DAC Interfacing	CO2
15	Wave form Generator	CO2
16	Triangular wave form Generator	CO2
17	Saw tooth wave form Generator	CO2
18	Sine wave Generator	CO2
19	Staircase Generator	CO2
20	Study of Stepper Motor	CO2
21	Continues Rotation	CO2
22	Stepper Motor Interface 2	CO2

CO-PO Mapping

CO	After completing the course the student will be able to	PO
C608.1	To understand assembly-language programmes and execute using microprocessor kit	1,3,4,9
C608.2	To understand interfacing peripheral devices like DAC, Stepper Motor with microprocessors	1,3,4,9

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **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.
3. **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.
4. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.