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| **http://10.10.10.2:8080/GIS/image/logo.gif** | **G H Patel of College of Engineering & Technology**  **Department of Computer Engineering** |
| **Vision**  To produce globally competitive computer engineers, who are prepared to accept the challenges at professional level, while maintaining the core values. | |
| **Mission**   * To create excellent teaching learning environment. * To mould engineers with a strong foundation of scientific knowledge and engineering concepts. * To enhance the acquired concepts and develop new technology through excellence in research. * To assist nation building and elevating the quality of life of the people through leadership in professionalism, education, research and public services. | |
| **Programme Educational Objectives (PEO)**   * To educate young aspirants with the fundamentals of engineering and knowledge of latest technologies. * To encourage the students to remain updated by pursuing higher degree or certification programs. * To assume management and leadership roles to contribute in socio-economic development of the nation. | |

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**A.Y\_\_\_\_\_\_\_\_\_\_\_\_, Semester \_\_**

**Subject Code:** \_\_\_\_\_\_\_\_

**Subject Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Name:**

**Enrolment no: Branch:**

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| Sr. No | Name of the Experiment | Page No. | Date | Marks | Signature |
| 1 | Write a C program to perform the following conversions.  a) Decimal to Binary Conversion  b)Decimal to Hexadecimal Conversion  c) Binary to Decimal Conversion |  |  |  |  |
| 2 | Write a C program to perform the following compliment Operations.  a)1’s Complement  b)2’s Complement |  |  |  |  |
| 3 | Write a C program to perform the following Micro-operations.  a) Circular Shift left  b) Circular Shift Right |  |  |  |  |
| 4 | Introduction to GNU Simulator 8085. |  |  |  |  |
| 5 | Write an Assembly Language Program to perform the addition and subtraction of two 8 bit  Numbers |  |  |  |  |
| 6 | Write an Assembly Language Program to find complements of an 8bit number |  |  |  |  |
| 7 | Write an Assembly Language Program to find the sum of 5 numbers using loop. |  |  |  |  |
| 8 | Write an Assembly Language Program to find smallest Number From an array. |  |  |  |  |
| 9 | Write CUDA program for Matrix Multiplication |  |  |  |  |
| 10 | Write CUDA program to perform Read/Write operation from the memory |  |  |  |  |
| 11 | Write OpenCL program to declare very large size arrays and perform arithmetic operations on them |  |  |  |  |
| 12 | Write OpenCL Program to perform inter process communication |  |  |  |  |

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| 1 | Assignment I |  |  |  |  |
| 2 | Assignment II |  |  |  |  |
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