

**Ahmedabad University**  
**School of Engineering and Applied Science**

**B.Tech (ICT), Semester - V**  
**Course: CSE341- Operating Systems Lab**  
**Assignment - 6, 8086 Programming**

**Instructions**

- **Write 8086 Assembly language programs for all the questions.**
  - **Last date of submission: 04/10/2020 (For both Sections)**
  - **This assignment should be submitted on an individual basis on LMS Portal.**
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- 1) Write a program to print your address.
- 2) Write a program to accept a string and print it in upper case.
- 3) Write a program to compute checksum of five words using XOR instructions.
- 4) Write a program to find minimum from the array of N 16-bit numbers.
- 5) Write a program to search a 16-bit number in an array of N 16-bit numbers. Store the position of the number in AL register if found, otherwise store -1.
- 6) Write a program to multiply decimal numbers 7 and 8 and store its answer as packed BCD number 56 in the data segment.
- 7) Write a program to convert given decimal number into a hex number.
- 8) Write a program to convert a given 16-bit binary number into an octal number.