

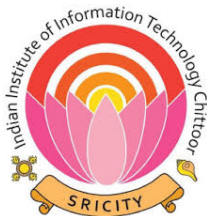
CO: Computer Organization

Assignment-1

Indian Institute of Information Technology, Sri City

Jan - May - 2018

<http://co-iiits.blogspot.in/>



Assignment -1

Due date: February 18, 2018.

- ① Write a C-program to print the internal representation of data stored in primary data types (int, float, double, and char) of C language.
- ② Explain a multiplication of two n-bit numbers using the following:
 - ▶ Sequential Multiplier.
 - ▶ Booth Algorithm.
 - ▶ Bit-Pair Recoding.
- ③ Explain a division of two n-bit numbers using the following:
 - ▶ Restoring Division
 - ▶ Non-restoring Division
- ④ Write a C program to multiply two matrices. Using the program try to identify sizes of L1, L2, and L3 caches of your PC.