

Practical No. 8

**Study and Implementation of Grids and Blocks of 2 and 3 Dimensions in CUDA C, GPU
Memory and Profiling**

- 1.** Write a CUDA C program to perform the simple matrix-matrix multiplication. Perform code optimization and profiling of existing CUDA C program. (Attach Snapshot of execution before optimization and after optimization)
- 2.** Write a CUDA C program to demonstrate the use of different GPU memories.
 - Use of private memory.
 - Use of shared memory.
 - Use of global memory.