multitasking vs multithreading

In programming, there are two techniques to improve the efficiency of the program. Namely, Multitasking and Multi-threading. Both utilizes the concept of parallelism to use maximum power of CPU. Actually, multi-threading is nothing but a thread based multi-tasking.

# Difference

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| **MULTI-TASKING** | **MULTI-THREADING** |
| * In multitasking, several programs are executed concurrently | * In multi-threading different threads run either same or different part of program multiple times at the same time. |
| * In multi-tasking,  CPU switches between multiple applications to complete their execution in real time. | * In multi-threading CPU switches between multiple threads of the same program. |
| * Switching between processes take more resources. | * Switching between threads consumes less resources. |