The function calls in this implementation is explained below. Detailed explanation in thesis.

```c
main()

  gsl_rng_env_setup()  [ Random number generator initialize ]

  for each TPG {

    exec_time_assign()  [Assigns Worst case Execution requirements ]

    initialize()  [ Reads in the meta data produced by rtsched_gen.c]

    generate_gaussian_run_times()  [ Run time generation ]

    gsl_siman_solve()  [ Offline Simulated Annealing and greedy allocator ]

    greedy_allocator()

    pre_online()  [ Online stage sampling ]

    online_schedule()

  }
```