**Tutorial 2: Thread and Socket Programming**

**Problem Description:** You have been given a large sequence of numbers (your program need to generate them randomly) to find the average. It can be done by sequential program, however to improve the performance you want to use parallelisation.

This tutorial you need to design following parallel programs having master slave model:

1. One that utilises multiple threads to parallelise this process.
2. One that utilises multiple processes communicating through Sockets. You need to design a multithreaded server interacting with multiple worker nodes.

To do this tutorial you can utilise examples and readings given on Mylo and also get help from online material.

If you have any doubt, seek help from your tutor. Show the programs to your tutor.