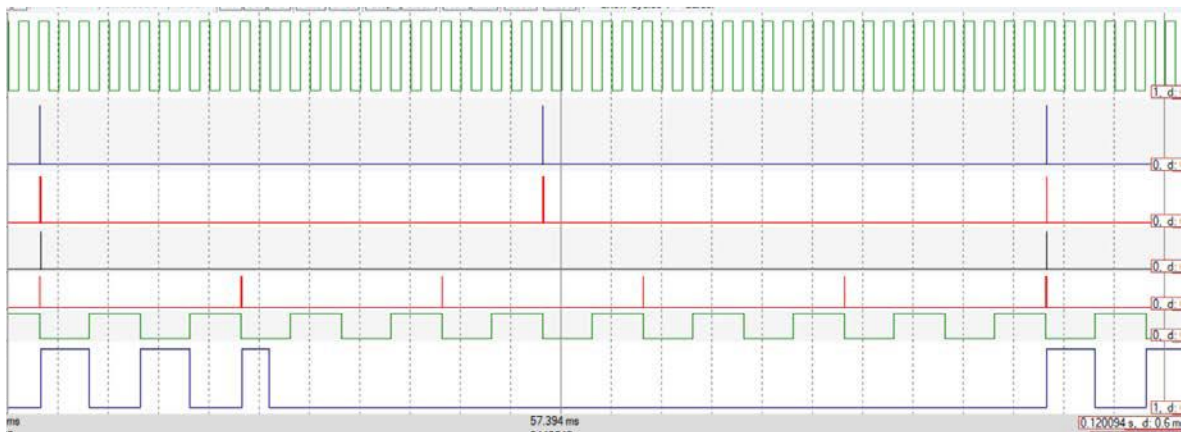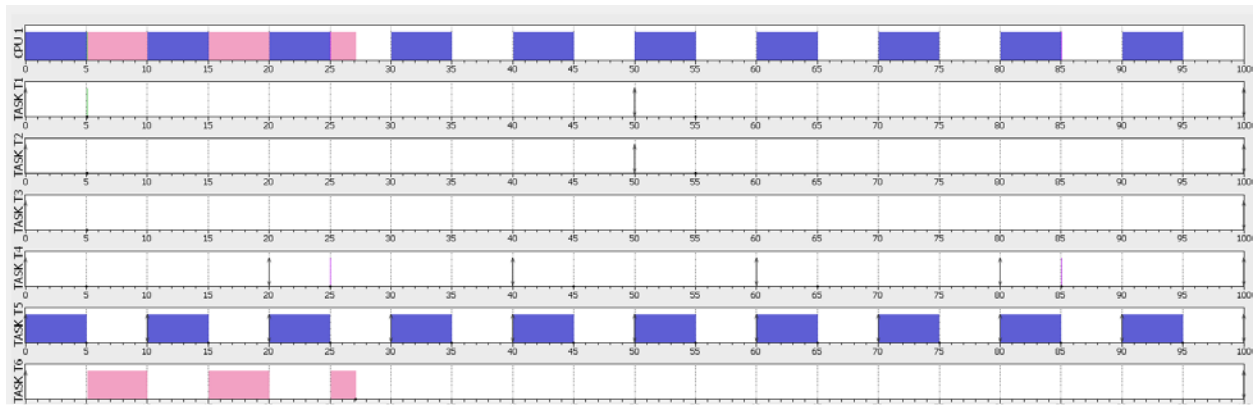## Advanced Embedded Systems Project 2

Implementing EDF Scheduler

1. Using analytical methods calculate the following for the given set of tasks:

- Calculate the system hyper period
  - ✓ 100 ms
- Calculate the CPU load
  - ✓ 62.2 %
- Check system schedulability using URM and time demand analysis techniques (Assuming the given set of tasks are scheduled using a fixed priority rate -monotonic scheduler)
  - ✓ (2*(12us/50ms)+(20us/100)+(22us/20ms)+(5ms/10ms)+(12ms/100ms)) < 1 so system is schedulable

The results from simso match the signals displayed by the logic analyzer in keil.

	Total load	Payload	System load
CPU 1	0.6220	0.6220	0.0000
Average	0.6220	0.6220	0.0000

CPU load equals the cpu load calculated practically in keil