

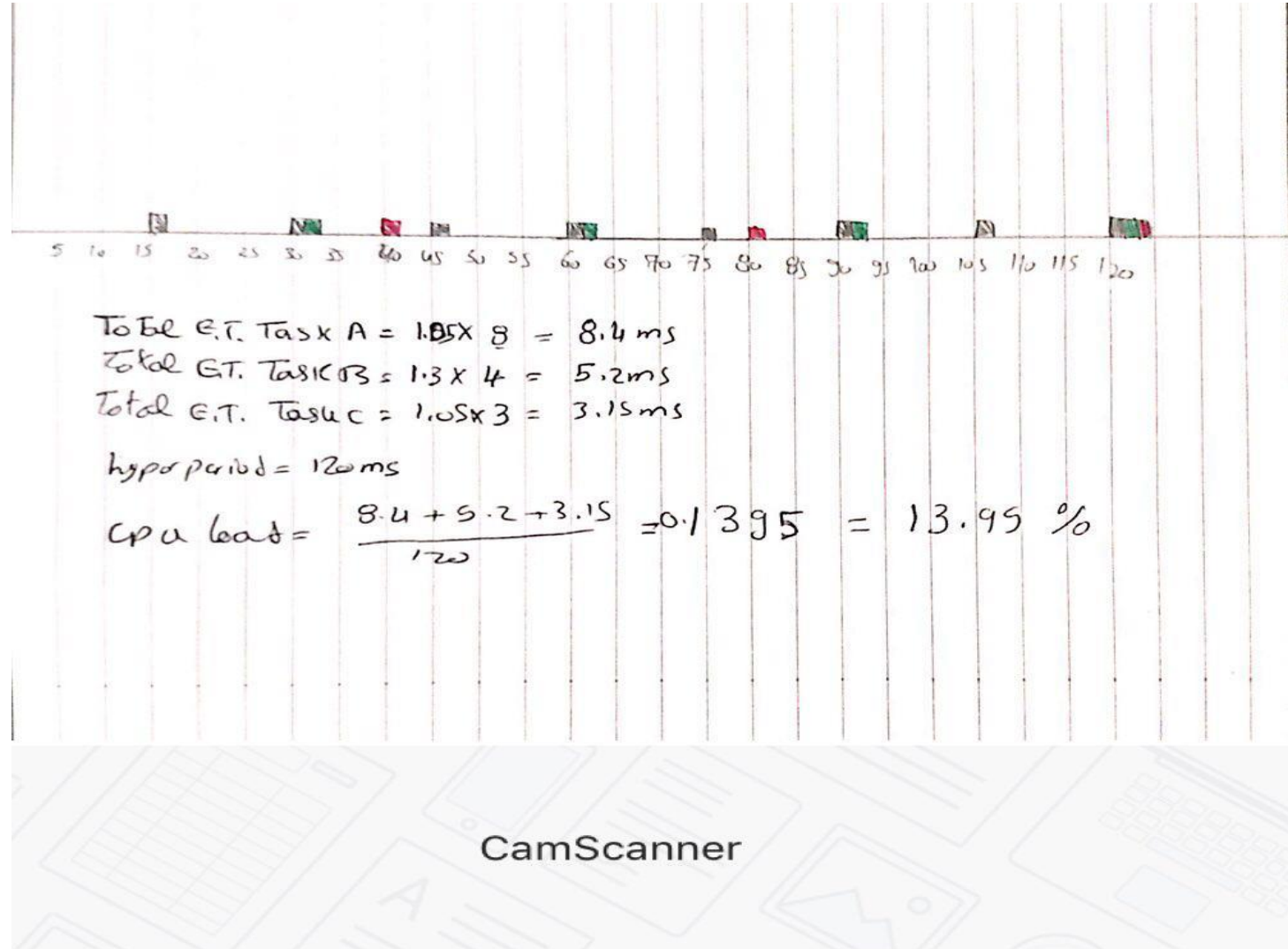
RTOS Final Project

Implement EDF scheduler

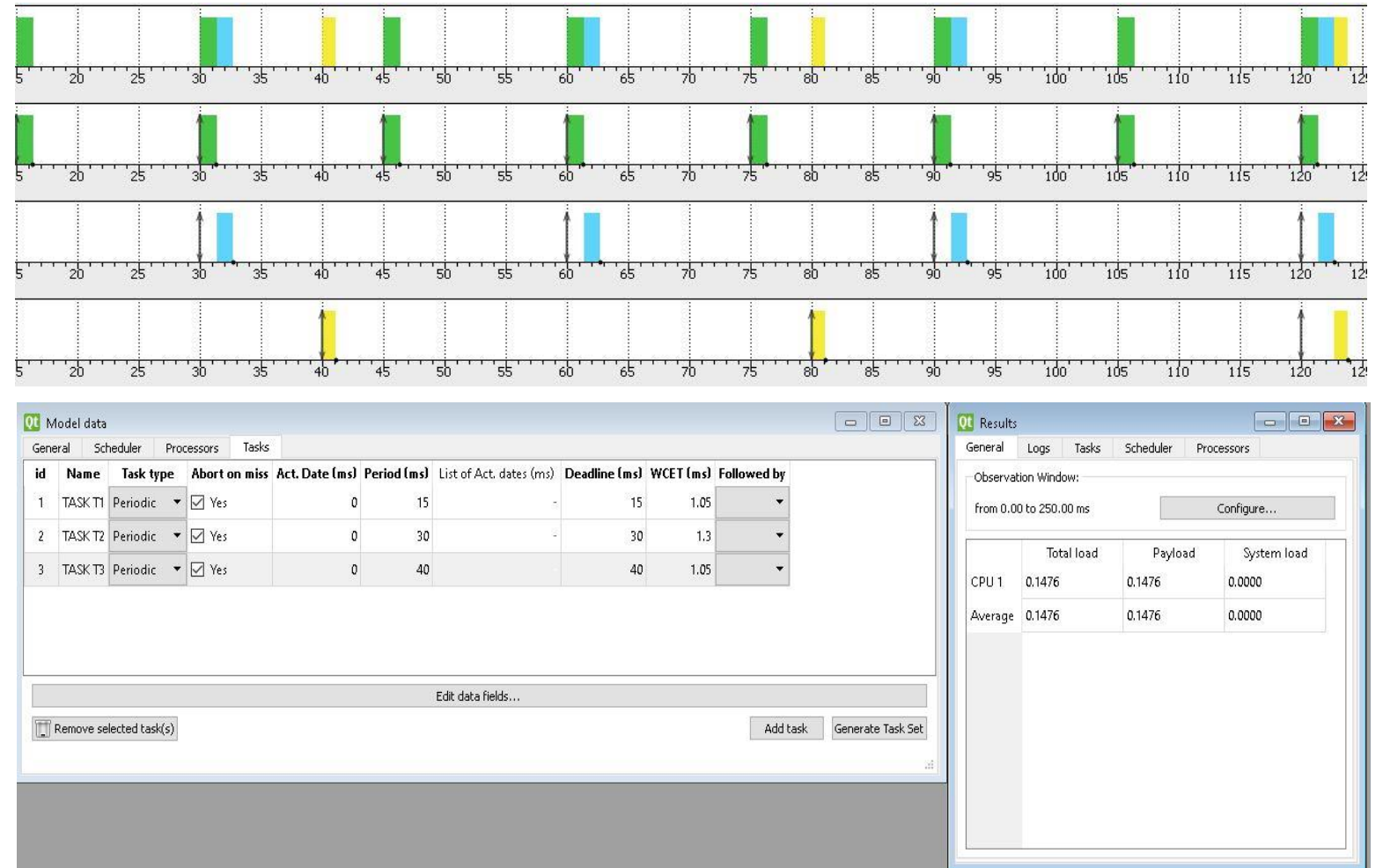
System

- TaskA(Periodicity:15ms ,Deadline:15ms,Execution Time: 1.05ms).
- TaskB(Periodicity:30ms ,Deadline:30ms,Execution Time: 1.3ms).
- TaskC(Periodicity:40ms ,Deadline:40ms,Execution Time: 1.05ms).

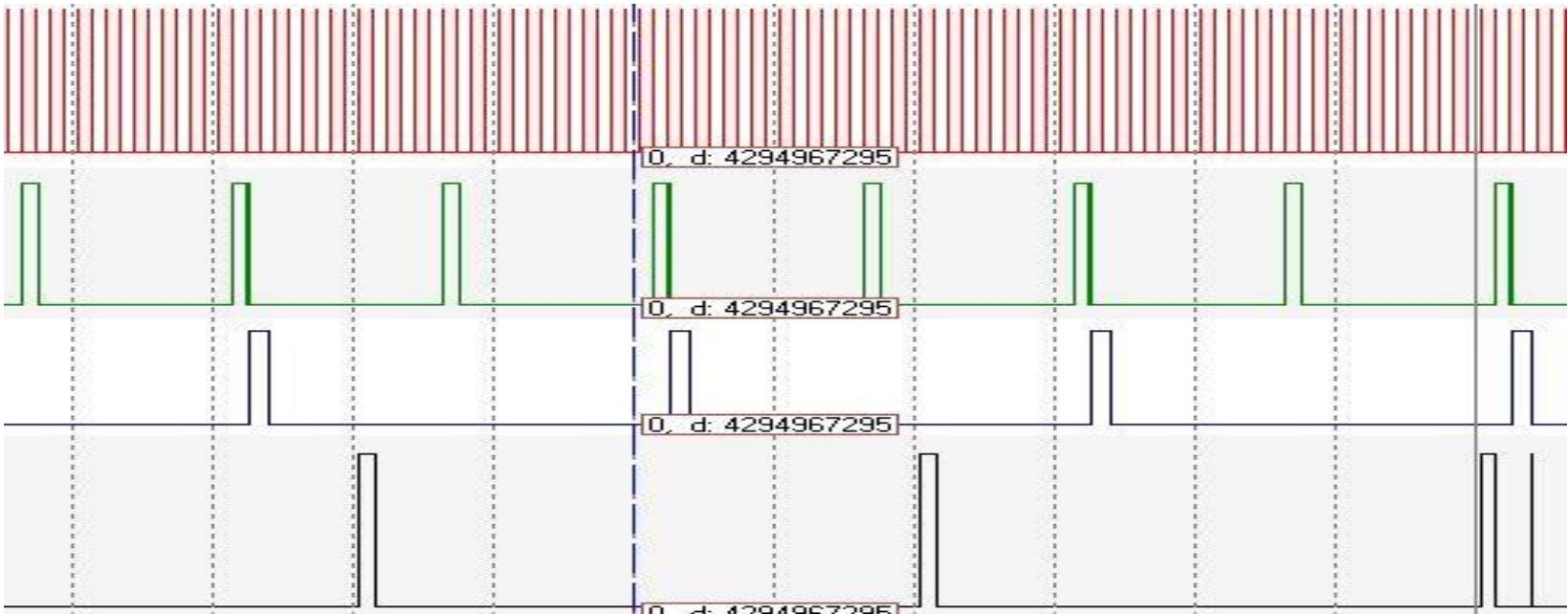
Analytical Method



Offline Simulator (Simso)



Run-Time



Watch 1		
Name	Value	Type
TASK1TOTAL	0x00027608	int
TASK2TOTAL	0x00018C6D	int
SYSTEMTIME	0x0021E718	int
CPULOAD	14	int
TASK3TOTAL	0x0000EC09	int
<Enter expression>		

Comment

- The 3 methods gave the same CPU load approximately .
- The 3 methods gave the same charts except in run time at the hyper period task C ran before task A at first then task A preempted it and the rest of the behavior was as expected .