#### **ASSIGNMENT 3(simulation)**

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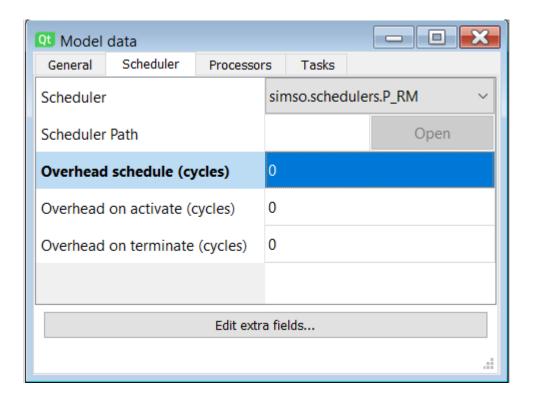
Course Title: Development of Real-Time System

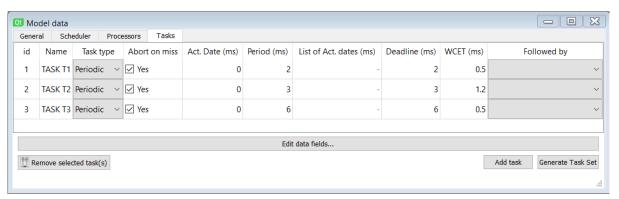
Date: 20-06-2022

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#### Simulation assignment:

Input the tasks T1(2, 0.5), T2(3, 1.2), T3(6, 0.5) and the RM scheduler into the SimSo simulator







General	Logs	Task	s Sc	heduler	Processors		
General	TASK T1 TASK T2 TASK T3						
Computation time:							
Task	min	avg	max	std dev	occupancy		
TASK T1	0.500	0.500	0.500	0.000	0.250		
TASK T2	1.200	1.200	1.200	0.000	0.406		
TACK TO	0.500	0.500	0.500	0.000	0.085		

	Total load	Payload	System load
CPU 1	0.7410	0.7410	0.0000
Average		0.7410	0.0000

## 1)What is the utilization factor of the system and what is the value for Urm(3)?

U<Urm,hence the system is feasible.

## 2)What is the minimum/maximum/average response time of all tasks?

Response time of tasks:

T1= 0.5ms

T2=1.7ms

T3=2.7ms

# 3) Is any task missing the deadline? Which task? Where?

None of the tasks missed the deadline.