Task 4 Report

**Task 1** | Priority : 3 Periodicity : 5 Execution : 2.5 Deadline : 5

**Task 2** | Priority : 2 Periodicity : 15 Execution : 4.5 Deadline : 15

**Task 3** | Priority : 1 Periodicity : 20 Execution : 3.5 Deadline : 20

**URM = n ( = 3() = 0.779**

**U = = ( ) + ( ) + ( ) = 0.975**

System guaranteed not schedulable

**Wi(t) = ei + ek**

**For Task 1**

**W(1)= 2.5 + 0 = 2.5**

**W(2)= 2.5 + 0 = 2.5 < 5 (T1 Deadline)**

**T1 is schedulable**

**For Task 2**

**W(3)= 4.5 + = 7**

**W(9)= 4.5 + = 9.5**

**W(15)= 4.5 + = 12** **< 15 (T2 Deadline)**

**T2 is schedulable**

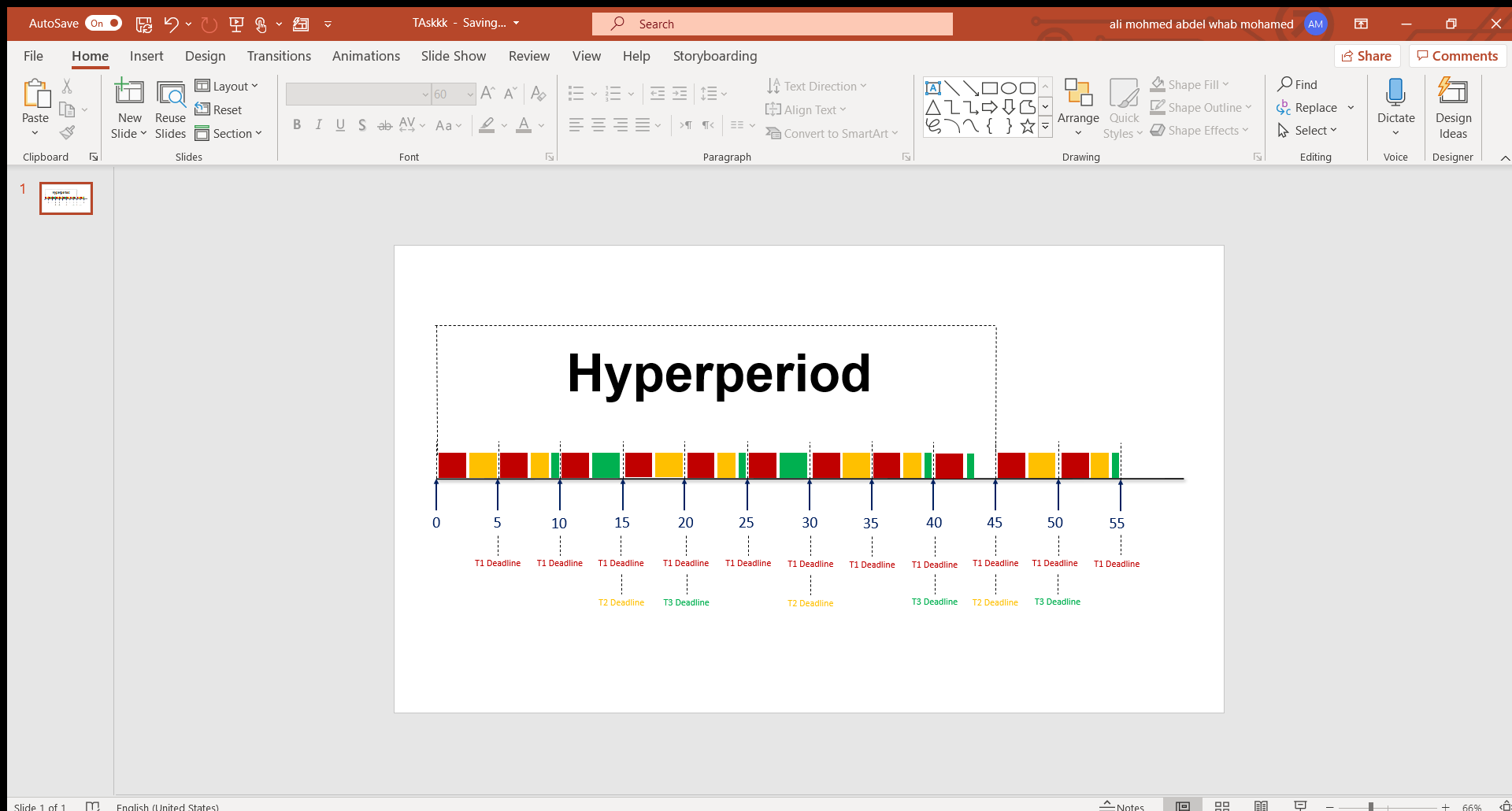
**For Task 3**

**W(10)= 3.5 + + = 13**

**W(11)= 3.5 + + = 15.5**

**W(20)= 3.5 + + = 22.5 > 20 (T3 Deadline)**

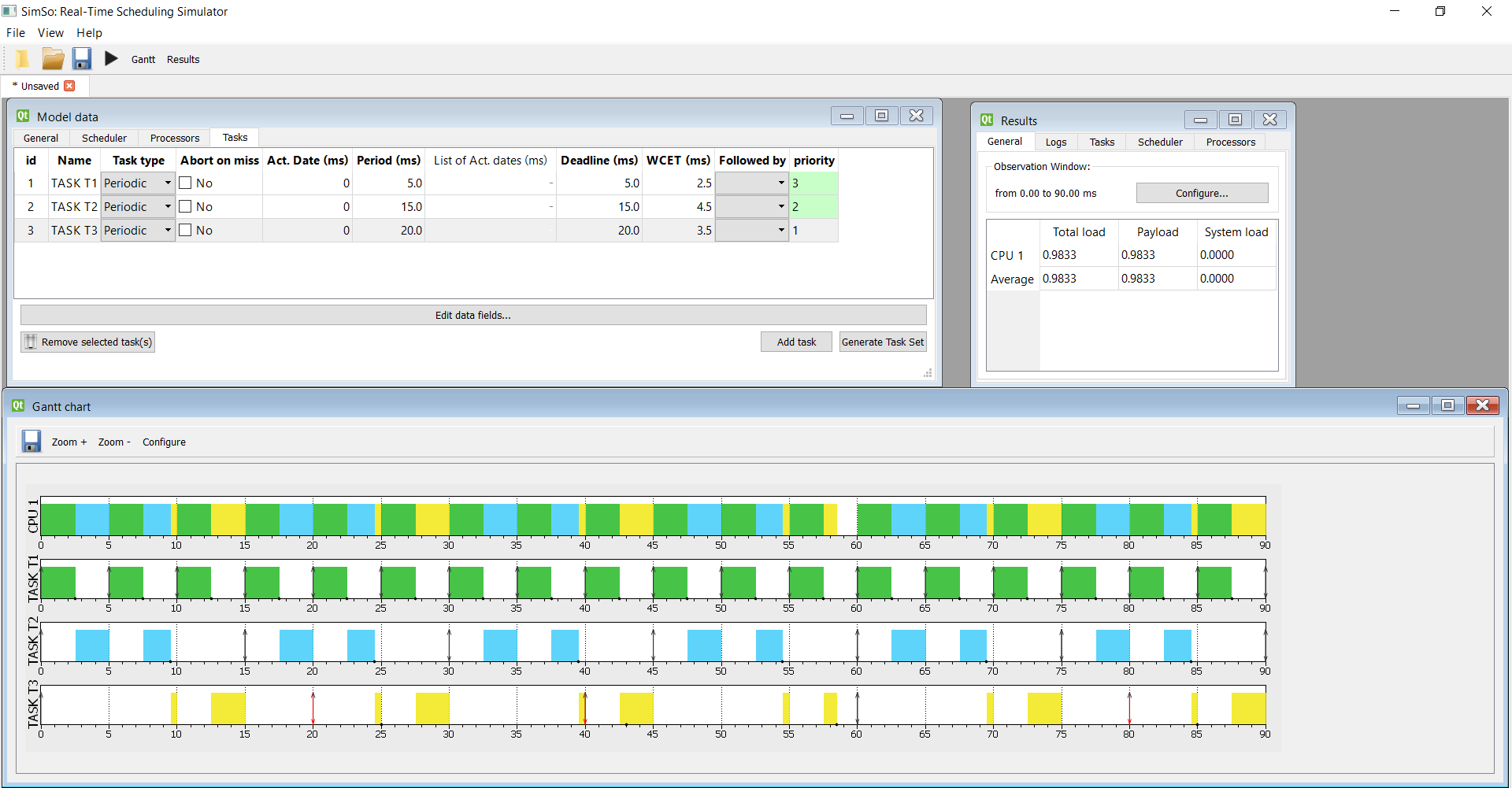
**T3 is not schedulable**

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**Task 1**

**Task 2**

**Task 3**

As you can see Task3 miss its deadline

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System guaranteed not schedulable