WORKSHEET FOR SİMULATİON WITH ARENA LAB SESSION #1

Submit this sheet at the end of this session

Student Name: **Date:…./…./…..**

A Simple Model of The Carwash System

1. The average wait time of a vehicle is ………………………………………….

2. The maximum wait time is …………………………………………………

3. The average time that a vehicle spent in the car wash shop is …………………

4. The total number of vehicles that arrived is   ……………..   and the total number of vehicles that were serviced is ……………………..

5. The resource utilization is …………………………………………………

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WORKSHEET FOR SİMULATİON WITH ARENA LAB SESSION #2

Submit this sheet at the end of this session

Student Name: **Date:…./…./…..**

6. The longest time an application is……………………………………….…………

7. The maximum number of application waiting for review is …..………………………..

8. The average cost of reviewing a mortgage application …………………………………

9. How long din mortgage applications spend in the modeled process……………………

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WORKSHEET FOR SİMULATİON WITH ARENA LAB SESSION #3

Submit this sheet at the end of this session

Student Name: **Date:…./…./…..**

1. Plot of **Drilling Center.WaitTime;**

2. Plot of **Wrapping Center.WaitTime;**

3. Cost of resources are (busy/idle);

   ………………………   ………………………

   ………………………   ………………………

4. Conclude the system performance depends on wait times and utilizations;

   ……

   ……

   …………………………………………………………………………………………….

WORKSHEET FOR SİMULATİON WITH ARENA LAB SESSION #4

Submit this sheet at the end of this session

Student Name: **Date:…./…./…..**

5. Average Wait Times;

   Prep A Process.Queue   ……………………
   Prep B Process   .Queue   ……………………
   Rework Process.Queue   ……………………
   Sealer Process.Queue   ……………………

6. Scheduled Utilizations**;**
   Prep A   ……………………
   Prep B   ……………………
   Rework   ……………………
   Sealer   ……………………

7. Avarage Tally Intervals;
   Record Salvaged Parts   ……………………
   Record Scrapped Parts   ……………………
   Record Shipped Parts   ……………………

8. Small Screenshot of the model

WORKSHEET FOR SİMULATİON WITH ARENA LAB SESSION #5

Submit this sheet at the end of this session

Student Name: **Date:…./…./…..**

9. Utilization of the emergency room staff by type (doctors, nurses, and receptionists) are
    ………………………/…………………………/……………………………………………………

10. Average waiting time of incoming patients for triage……………………………………….

11. Average patient sojourn time in the emergency room………………………………………..

12. The number of patient entities discharged …………………………………………………..

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WORKSHEET FOR SİMULATİON WITH ARENA LAB SESSION #6

Submit this sheet at the end of this session

Student Name: **Date:…./…./…..**

13. All Resources   **Average**

Busy Cost   ………..

Idle Cost   ………..

Usage Cost   ………..

Total Cost   ………..

14. Entities   Average

Value Added Cost   ………..

Wait Cost   ………..

Total Cost   ………..

15. Number In Value   ………..

Number Out   Value   ………..

WORKSHEET FOR SİMULATİON WITH ARENA LAB SESSION #7

Submit this sheet at the end of this session

Student Name: **Date:..../..../…..**

16. Average waiting times are

……………………………………………………………………………………

17. Resource usages are

……………………………………………………………………………………

18. Number out EC, CR, EZP are;

……………………………………………………………………………………

WORKSHEET FOR SİMULATİON WITH ARENA LAB SESSION #8

Submit this sheet at the end of this session

Student Name: **Date:…./…./…..**

19. Average waiting time of seize process and shall we produce queues are

………………. …………………………………………………………………………

20. Tally amount lost is

……………………………………………………………………………………………

21. Average number waiting in queues are

……………………………………………………………………………………………

WORKSHEET FOR SİMULATİON WITH ARENA LAB SESSION #9

Submit this sheet at the end of this session

Student Name: **Date:…./…./…..**

22. Average waiting times are;

……………… ……………… ……………………… ………………………………

23. Total number seized of 4 resources are

………………………………………………………………………………………