Data Structures and Algorithms Spring 2021

CMPN102

**Work Load Document**

**Team Name:** T-10

**Work Load:**

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| **Member Name** | **ID** | **Work Load** |
| Hossam Nabil | 1190097 | UI.cpp:  LoadStation()  LoadStation(ifstream& inputFile)  LoadFormEvents(ifstream& inputFile)  MarsStation.cpp:  loadRovers  LoadEvents  CheckUpduartionEnd()  addtoQueue()  GetPriority()  StepByStepMode()  Excute Events()  Event.cpp  FormulationEvent.cpp |
| Maryam Moataz | 1190522 | MarsStation.cpp:  CheckCompletedMissions()  UpdateRoverStatus  SaveOutputFile  CalculateAvgWaiting();  calculateCD  AvgExecTime();  SilentMode()  UI.cpp:  SaveFile()  DataStrucutres:  Queue()  Node() |
| Nada Tarek | 1180504 | MarsStation.cpp:  AssignMissions()  GetAvailableRover  AssignAvailableRover  AssignInMaintenanceRover  updateWaitingTime()  UpdateCurrDay()  Interactive mode  UI.cpp:  Printing on Console Functions in marsStation and UI  DataStrucutres:  PriorityQueue()  PriorityNode() |

Rovers and Missions Classes were modified by all members throughout the project

Bonus:

Different Rover Speed

Rover maintenance

Mission failure